AIX Operating System for the PS/2 and System/370 Library Guide, Glossary, and Master Index

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AIX Operating System
for the PS/2 and System/370

Library Guide, Glossary, and Master Index

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AIX Operating System Library Guide, Glossary, and Master Index Edition Notice

Edition Notice

Second Edition (March 1991)

This edition applies to Version 1.2.1 of the IBM Advanced Interactive Executive for the System/370 (AIX/370), Program Number 5713-AFL, and for Version 1.2.1 of the IBM Advanced Interactive Executive for the Personal System/2 (AIX PS/2), Program Number 5713-AEQ, and to all subsequent releases until otherwise indicated in new editions or technical newsletters. Make sure you are using the correct edition for the level of the product.

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AIX Operating System Library Guide, Glossary, and Master Index About This Book

PREFACE About This Book

This book provides an overview of the publications in the Advanced Interactive Executive (AIX) Operating System library. It includes brief descriptions of the contents of the AIX/370 and AIX PS/2 manuals and contains a glossary of terms related to the AIX Operating System library. This book also includes a master index to the contents of each of the publications in the library.

Unless otherwise noted, the term "AIX" refers to both Advanced Interactive Executive for the System/370 (AIX/370) and Advanced Interactive Executive for the Personal System/2 (AIX PS/2) information.

Subtopics Who Should Read This Book How to Use This Book Related Publications

AIX Operating System Library Guide, Glossary, and Master Index Who Should Read This Book

Who Should Read This Book
This book is written for anyone who uses manuals in the AIX Operating
System library.

AIX Operating System Library Guide, Glossary, and Master Index How to Use This Book

How to Use This Book

Chapter 1, "The AIX Library Guide" contains an overview of the AIX Operating System library. In this chapter, you can find information about ordering publications as well as brief descriptions of the manuals in the library. Use the descriptions to determine the correct manual for your needs.

Chapter 2, "Glossary of Terms and Abbreviations" is a collection of terms and abbreviations used throughout the AIX Operating System library.

Chapter 3, "Master Index" is an index to the contents of the AIX Operating System library. This chapter includes instructions on how to use the index and understand the format of the index entries.

Figure 3-1 in topic 3.0 lists the abbreviations and order numbers for each of the AIX manuals. This table is repeated on a foldout sheet at the end of the manual.

AIX Operating System Library Guide, Glossary, and Master Index Related Publications

Related Publications

For additional information, you may want to refer to the *IBM Dictionary of Computing*, SC20-1699 for terms and definitions not included in this publication.

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AIX Operating System Library Guide, Glossary, and Master Index Chapter 1. The AIX Library Guide

1.0 Chapter 1. The AIX Library Guide
This chapter describes the organization of the AIX library as well as the contents of the individual manuals. This information can help you determine which AIX manuals are suitable for your needs. This chapter also describes library-related services, such as methods for ordering, updating, and commenting on library manuals.

Subtopics

- 1.1 Organization of the AIX Library
- 1.2 Overview of the AIX Operating System Library
- 1.3 Abstracts of Manuals
- 1.4 Ordering AIX Publications
- 1.5 Additional IBM Library Information Sources

AIX Operating System Library Guide, Glossary, and Master Index Organization of the AIX Library

1.1 Organization of the AIX Library

The AIX library is organized according to the nine major tasks that computer users perform. These tasks are:

Examining and judging the applicability Evaluation and Planning of an IBM product to an installation's needs, and making fundamental decisions about the options a program offers. Planning is an iterative task in that many of the decisions are made before installation, continually evaluated after installation, and revised as appropriate. Installation and Customization Making an IBM program ready for use, and then enhancing, extending, and otherwise altering the program to meet an installation's special requirements. Administration Defining the characteristics of data processing resources to a program. The resources may be data files, data bases, programs, and users. Managing Getting a program running, monitoring it to keep it operating, and shutting it down when it is no longer needed. Application Development Designing, coding, compiling, executing, debugging, and maintaining application programs to perform specific functions. Directly using an IBM program for the Using purpose for which it was provided. Diagnosis Identifying the IBM program that is the source of a programming problem, describing the problem, comparing it to similar known problems, reporting a new problem, and correcting the problem.

PICTURE 1
PICTURE 2

Figure 1-1. The AIX Operating System Library

AIX Operating System Library Guide, Glossary, and Master Index Overview of the AIX Operating System Library

1.2 Overview of the AIX Operating System Library

Subtopics

- 1.2.1 What do the Titles Mean?
- 1.2.2 Using a Manual
- 1.2.3 Which Manual Should I Read First?

AIX Operating System Library Guide, Glossary, and Master Index What do the Titles Mean?

1.2.1 What do the Titles Mean?

The first part of the title of a manual identifies the program product that the manual applies to; the subsequent parts more specifically identify the task that the manual helps you perform. For example, the first part of the title AIX/370 Planning Guide identifies the manual as an Advanced Interactive Executive (AIX) product, and the second part of the title identifies the task that the manual describes, planning.

Certain key words in the title indicate the level or kind of information that manual contains. For example, the words introduction and general information in a title indicate that the manual contains general and conceptual material. Such introductory manuals contain basic information and develop the vocabulary used by more detailed manuals.

A guide generally contains procedural information or step-by-step instructions on how to do something; for example, the AIX/370 Diagnosis Guide provides procedures to help you diagnose problems and determine the causes and sources of errors.

A reference manual is a source of information usually arranged alphabetically. The AIX Operating System Commands Reference is an example of this type of manual.

A messages manual is a kind of reference manual that lists and explains the communications that the system makes to the user and suggests appropriate responses or actions. AIX Operating System Messages Reference is an example of a title for a messages manual.

AIX Operating System Library Guide, Glossary, and Master Index Using a Manual

1.2.2 Using a Manual

The first time you use a manual, start by reading the preface. The preface introduces you to the manual's purpose, audience, main subject, and major topics. It also tells you if you need to have any previous knowledge of the subject matter in order to use the book effectively.

Whenever you want to locate a topic in a manual do the following:

Look at the table of contents in the front. It tells what eac chapter and appendix contains, and is a quick way to get an overview of the information in the manual.

Look at the index in the back. It is a detailed guide to the topic in the manual.

AIX Operating System Library Guide, Glossary, and Master Index Which Manual Should I Read First?

1.2.3 Which Manual Should I Read First?

We suggest that you read either the $AIX/370\ General\ Information$ or $AIX\ PS/2\ General\ Information$ manual first. These manuals give an overview of the AIX Operating System and describe how to use it. After you read one of these manuals, you can more easily decide what other manuals you need to use. Your choices will depend on the tasks you want to perform.

Each AIX manual focuses on one major task (like installation). Within each major task are smaller subtasks (like installing hardware or installing an optional program). The library chart on 1-1 shows you the task-oriented design of the AIX library.

AIX Operating System Library Guide, Glossary, and Master Index Abstracts of Manuals

1.3 Abstracts of Manuals

The following abstracts describe the contents of the various manuals. Use these abstracts to determine whether the manual contains information you need. The titles are listed alphabetically.

Subtopics

- 1.3.1 AIX Access for DOS Users Administrator's Guide, SC23-2042
- 1.3.2 AIX Access for DOS Users User's Guide, SC23-2041
- 1.3.3 AIX C Language Reference, SC23-2058
- 1.3.4 AIX C Language User's Guide, SC23-2057
- 1.3.5 AIX Operating System Commands Reference, SC23-2292 (Volume 1) and SC23-2
- 1.3.6 AIX Operating System Guide to Multibyte Character Set (MBCS) Support, GC
- 1.3.7 AIX Operating System Messages Reference, SC23-2294
- 1.3.8 AIX Operating System Technical Reference, SC23-2300 (Volume 1) and SC23-
- 1.3.9 AIX Programming Tools and Interfaces, SC23-2304
- 1.3.10 AIX PS/2 DOS Merge User's and Administrator's Guide, SC23-2045
- 1.3.11 AIX PS/2 General Information, GC23-2055
- 1.3.12 AIX PS/2 INed, SC23-2001
- 1.3.13 AIX PS/2 INmail/INnet/INftp User's Guide, SC23-2076
- 1.3.14 AIX PS/2 Interface Library Reference, SC23-2051
- 1.3.15 AIX PS/2 Keyboard Description and Character Reference, SC23-2037
- 1.3.16 AIX PS/2 Text Formatting Guide, SC23-2044
- 1.3.17 AIX PS/2 Usability Services Reference, SC23-2039
- 1.3.18 AIX PS/2 Usability Services User's Guide, SC23-2038
- 1.3.19 AIX PS/2 VS COBOL Language Reference, SC23-2003
- 1.3.20 AIX PS/2 VS COBOL Run-Time Guide, SC23-2034
- 1.3.21 AIX PS/2 VS COBOL User's Guide, SC23-2004
- 1.3.22 AIX TCP/IP User's Guide, SC23-2309
- 1.3.23 AIX VS FORTRAN Reference, SC23-2050
- 1.3.24 AIX VS FORTRAN User's Guide, SC23-2049
- 1.3.25 AIX VS Pascal Reference, SC23-2054
- 1.3.26 AIX VS Pascal User's Guide, SC23-2053
- 1.3.27 AIX Workstation Host Interface Program User's Guide and Reference, SC23
- 1.3.28 AIX X-Windows Programmer's Reference, SC23-2118
- 1.3.29 AIX X-Windows User's Guide, SC23-2017
- 1.3.30 AIX/370 Administration Guide, SC23-2088
- 1.3.31 AIX/370 Diagnosis Guide, SC23-2090
- 1.3.32 AIX/370 General Information, GC23-2062
- 1.3.33 AIX/370 Planning Guide, GC23-2065
- 1.3.34 Installing and Customizing the AIX PS/2 Operating System, SC23-2290
- 1.3.35 Installing and Customizing the AIX/370 Operating System, SC23-2066
- 1.3.36 Managing the AIX Operating System, SC23-2293
- 1.3.37 Using the AIX Operating System, SC23-2291

AIX Operating System Library Guide, Glossary, and Master Index AIX Access for DOS Users Administrator's Guide, SC23-2042

1.3.1 AIX Access for DOS Users Administrator's Guide, SC23-2042
This book explains how to install and administer the AIX Access for DOS
Users Program on the IBM PS/2, IBM RT work station, and the IBM System/370
computers running the AIX Operating System with the AIX DOS Server. It
covers the responsibilities for installation, daily operation, and
maintenance of Access program software.

Access program software allows you to:

Integrate your personal computer into your existing AIX host compute network.

Use file services of one or more AIX hosts while running DO applications as if the host were a fixed disk. Conduct standard AIX sessions from your personal computer Use a DOS version of the AIX ${\bf vi}$ editor program on your personal computer.

This book is for the administrator of the system and the person who installs the host software and manages the daily operation of the system. It assumes you are familiar with AIX commands and basic system administration activities such as loading diskettes, making directories, adding users, and starting up the host. It also assumes you are familiar with the information contained in AIX Access for DOS Users User's Guide. Familiarity with basic DOS commands and with your network hardware is useful but not required.

AIX Operating System Library Guide, Glossary, and Master Index AIX Access for DOS Users User's Guide, SC23-2041

1.3.2 AIX Access for DOS Users User's Guide, SC23-2041
This book explains how to use the AIX Access for DOS Users Access program.
It describes the Access program software, how to use the software once it is installed, and how to use the Access program commands.

It is for users who have a general knowledge of IBM DOS Version 3.3, and who are interested in taking advantage of information or services that exist in an AIX host computer. Experienced DOS and AIX users who want more information about the structure of the Access program and users responsible for installing and administering the Access program software on the AIX host should refer to the AIX Access for DOS Users Administrator's Guide.

AIX Operating System Library Guide, Glossary, and Master Index AIX C Language Reference, SC23-2058

1.3.3 AIX C Language Reference, SC23-2058

This book describes the C programming language as implemented on the IBM AIX PS/2, the RT, and the System/370. It includes reference information on the lexical and syntactic elements that make up the C programming language and the structure and format of C language programs.

This book is written for programmers who want to write application programs in C language that run on the AIX Operating System.

AIX Operating System Library Guide, Glossary, and Master Index AIX C Language User's Guide, SC23-2057

1.3.4 AIX C Language User's Guide, SC23-2057

This book shows you how to develop, link, and execute programs in C language, using the IBM AIX Operating System. It describes the operating system dependencies of the language as well as the use of C language-related software utilities and other program development tools.

This book is written for programmers who want to write application programs in C language that run on the AIX Operating System.

AIX Operating System Library Guide, Glossary, and Master Index

AIX Operating System Commands Reference, SC23-2292 (Volume 1) and SC23-2184 (Volume 2)

1.3.5 AIX Operating System Commands Reference, SC23-2292 (Volume 1) and SC23-2

This book contains reference information on the IBM AIX Operating System commands. It describes the commands and provides examples of their use. To use this book, you should know how to run AIX or UNIX System V commands. The manual is designed as a reference for anyone not familiar with the use of AIX commands. Although not designed as a tutorial, it can be used in conjunction with other AIX reference manuals to improve your understanding of the commands and their usage.

AIX Operating System Library Guide, Glossary, and Master Index

AIX Operating System Guide to Multibyte Character Set (MBCS) Support, GC23-2333

1.3.6 AIX Operating System Guide to Multibyte Character Set (MBCS) Support, GC

This book explains the basic concepts of AIX multibyte character set (MBCS) support. It introduces the elements of MBCS, summarizes hardware and software configurations, discusses the fundamentals of MBCS support for the Japanese language and for system and user message catalogs, describes character codes for representing and manipulating data, and lists the data types and library subroutines provided by MBCS support for use in programs.

AIX Operating System Library Guide, Glossary, and Master Index AIX Operating System Messages Reference, SC23-2294

1.3.7 AIX Operating System Messages Reference, SC23-2294

This book contains the messages that may be displayed when you use the AIX Operating System. For each message that is displayed, this book explains why you received the message and what you should do as a result of receiving the message.

This book is for anyone who uses the AIX Operating System and wants to know what caused a message to be displayed and what corrective action, if any, needs to be taken.

AIX Operating System Library Guide, Glossary, and Master Index

AIX Operating System Technical Reference, SC23-2300 (Volume 1) and SC23-2301 (Volume 2)

1.3.8 AIX Operating System Technical Reference, SC23-2300 (Volume 1) and SC23-

This book describes the programming interface to the IBM AIX Operating System and provides reference information on AIX Operating System subroutines, system calls, file formats, and special files. Most of the facilities described apply equally well to either AIX PS/2 or AIX/370. When a facility is not common to both systems, it is so indicated.

This book is written for experienced programmers who want to write application programs and systems software for the AIX Operating System.

AIX Operating System Library Guide, Glossary, and Master Index AIX Programming Tools and Interfaces, SC23-2304

1.3.9 AIX Programming Tools and Interfaces, SC23-2304

This book describes the programming environment of the IBM AIX Operating System and includes information about operating system tools that are used to develop, compile, and debug programs.

AIX Operating System Library Guide, Glossary, and Master Index AIX PS/2 DOS Merge User's and Administrator's Guide, SC23-2045

1.3.10 AIX PS/2 DOS Merge User's and Administrator's Guide, SC23-2045 This book shows you how to use the IBM AIX PS/2 DOS Merge program on your IBM PS/2, running the AIX Operating System. It provides instructions for using DOS in the AIX environment, including running DOS and AIX programs simultaneously and running AIX commands from the DOS environment. The information in this book also shows you how to install the DOS Merge software and perform administrative tasks.

This book is divided into two parts. Part One is written for the DOS Merge system user - the person who needs to know the basic features of DOS Merge and how to use DOS Merge functions to accomplish daily tasks. It complements AIX and DOS manuals by explaining how you can combine AIX and DOS on one computer. Part Two is written for the DOS Merge administrator - the person responsible for installing the DOS Merge software and for maintaining the day-to-day operation of the system. It shows how to install the DOS Merge system software and how to perform essential system maintenance activities, such as adding user accounts, backing up the file system, and setting up terminals.

AIX Operating System Library Guide, Glossary, and Master Index AIX PS/2 General Information, GC23-2055

1.3.11 AIX PS/2 General Information, GC23-2055 This book describes the AIX PS/2 functions and capabilities and its position in the AIX family of products.

AIX Operating System Library Guide, Glossary, and Master Index AIX PS/2 INed, SC23-2001

1.3.12 AIX PS/2 INed, SC23-2001

This book explains how to use the INed editor and the other facilities of the TEN/PLUS user interface on the IBM AIX PS/2.

This book is written for AIX PS/2 Operating System users who need to create, enter, or edit files and directories on the IBM Personal System/2. It provides both guide and reference information on how to:

Create, access, and save files and directorie Move, copy, and delete files and directorie Move through file
Edit tex
Format text and print file
Display file
Customize the INed edito
Configure your own system

AIX Operating System Library Guide, Glossary, and Master Index AIX PS/2 INmail/INnet/INftp User's Guide, SC23-2076

1.3.13 AIX PS/2 INmail/INnet/INftp User's Guide, SC23-2076

This book explains how to use the INmail/INnet/INftp/Connect facilities on the IBM AIX PS/2. It provides both guide and reference information on how to:

Configure your system for local mail and remote function Use INmail with the INed edito Interact with remote systems

This book is written for AIX PS/2 Operating System users who need to use the mail, terminal emulation, and file transfer facilities of INmail/INnet/INftp in their day-to-day activities.

The parts of this book that discuss how to use the INmail/INnet/INftp functions are designed for users who have an understanding of the IBM PS/2 functions and who are familiar with AIX PS/2 Operating System commands.

The system configuration and technical reference parts of this book are designed for users who have a basic understanding of the AIX PS/2 Operating System, networking experience, and system administration experience. Parts of the technical reference sections also require some programming experience.

AIX Operating System Library Guide, Glossary, and Master Index AIX PS/2 Interface Library Reference, SC23-2051

1.3.14 AIX PS/2 Interface Library Reference, SC23-2051

This reference book contains information about the library of system calls available with IBM AIX VS Pascal and IBM AIX VS FORTRAN as implemented for use with the IBM AIX PS/2 Operating System.

This book is intended for programmers wishing to use AIX system subroutines in their own VS Pascal or VS FORTRAN application programs. It assumes familiarity with Pascal or FORTRAN and either AIX or UNIX System V commands and system calls.

AIX Operating System Library Guide, Glossary, and Master Index AIX PS/2 Keyboard Description and Character Reference, SC23-2037

1.3.15 AIX PS/2 Keyboard Description and Character Reference, SC23-2037

This manual describes the IBM international character keyboards available for use with the IBM Personal System/2. This book also provides information on keyboard position codes, keyboard states, control-code points, code-sequence processing, and non-spacing character sequences.

This manual can be used as a reference for systems programmers and developers who need to understand the international character support for a specific country. It can also be used by anyone interested in remapping a keyboard or redefining individual keys.

AIX Operating System Library Guide, Glossary, and Master Index AIX PS/2 Text Formatting Guide, SC23-2044

1.3.16 AIX PS/2 Text Formatting Guide, SC23-2044

This book describes the text formatting utilities available for the IBM AIX PS/2 Operating System. The information in this book shows you how to use ${\bf vi}$, an editing program, and how to use the AIX PS/2 Operating System text formatting utilities.

Before you begin, you should know how to use a PS/2 and have a general knowledge of AIX PS/2 Operating System commands, AIX shell procedures, and general text formatting and programming concepts. In addition, some programming experience may be required if you want to interface with printing hardware. The tasks in this book require you to use one of the text editing programs available on the AIX PS/2 Operating System, such as ed, ex, INed, or vi.

AIX Operating System Library Guide, Glossary, and Master Index

AIX PS/2 Usability Services Reference, SC23-2039

1.3.17 AIX PS/2 Usability Services Reference, SC23-2039

This book is a reference for computer users learning to work with the IBM AIX PS/2 with Usability Services installed. This book is intended for both experienced and inexperienced computer users who are learning to use the IBM AIX PS/2 Operating System.

AIX Operating System Library Guide, Glossary, and Master Index AIX PS/2 Usability Services User's Guide, SC23-2038

1.3.18 AIX PS/2 Usability Services User's Guide, SC23-2038
This book discusses Usability Services, a command interpreter program that simplifies the AIX PS/2 Operating System. Usability Services provides display screens that allow you to start the online tutorial, Exploring Usability Services, create and organize files, and use AIX commands. With Usability Services installed, you make choices and select commands from display screens.

This book is intended for both experienced and inexperienced computer users who are learning the use the IBM AIX PS/2 Operating System.

AIX Operating System Library Guide, Glossary, and Master Index AIX PS/2 VS COBOL Language Reference, SC23-2003

1.3.19 AIX PS/2 VS COBOL Language Reference, SC23-2003
This book discusses the IBM PS/2 Personal Computer implementation of the VS COBOL language on the AIX Operating System. The book contains language syntax and semantics representing COBOL at the ANSI 85 High Level and ANSI 74 High Level. This book does not teach COBOL language programming; it is for reference only.

This book is intended for persons with some knowledge of COBOL programming concepts and some experience in writing COBOL programs. It assumes you know how to use your AIX PS/2 system. You should be able to log on, create files, edit files, and use various other operating system commands.

AIX Operating System Library Guide, Glossary, and Master Index AIX PS/2 VS COBOL Run-Time Guide, SC23-2034

1.3.20 AIX PS/2 VS COBOL Run-Time Guide, SC23-2034
The IBM AIX PS/2 VS COBOL Run-Time Environment is a prerequisite for applications developed using the IBM AIX PS/2 VS COBOL Compiler Version 1.1. It is also a prerequisite for using the IBM AIX PS/2 VS COBOL Compiler Version 1.1 to develop code. This guide provides the system requirements and the procedures for installing the AIX PS/2 VS COBOL Run-Time Environment on the IBM PS/2 system.

This guide is for programmers or system managers who are installing the AIX PS/2 VS COBOL Run-Time Environment on the IBM PS/2 system. This manual is a concise guide to installing the AIX PS/2 VS COBOL Run-Time Environment; it is not a reference manual for the AIX PS/2 VS COBOL language. This book assumes you are familiar with the IBM PS/2 system and its operating system, and that you know how to manage the IBM PS/2 system file systems and minidisks.

AIX Operating System Library Guide, Glossary, and Master Index AIX PS/2 VS COBOL User's Guide, SC23-2004

1.3.21 AIX PS/2 VS COBOL User's Guide, SC23-2004 This book explains how to develop and execute COBOL programs on the IBM PS/2 system using the IBM AIX Operating System.

This book is intended for users who have a good understanding of the COBOL programming language and are familiar with the IBM AIX Operating System.

AIX Operating System Library Guide, Glossary, and Master Index AIX TCP/IP User's Guide, SC23-2309

1.3.22 AIX TCP/IP User's Guide, SC23-2309

This book explains how to use the Transmission Control Protocol/Internet Protocol (TCP/IP) program on the IBM AIX Operating System. It provides both guide and reference information on how to:

Install TCP/IP on your syste
Log in to and run commands on remote system
Print files on remote system
Manage network
Send and receive mail and transfer files across the networ
Customize TCP/IP to your own needs

This book is written for AIX Operating System users who want to transfer data between an IBM Personal System/2 or System/370 and another host computer, users who want to use another IBM Personal System/2 or System/370 or host remotely, or users who want to manage networks.

AIX Operating System Library Guide, Glossary, and Master Index AIX VS FORTRAN Reference, SC23-2050

1.3.23 AIX VS FORTRAN Reference, SC23-2050 This book describes the FORTRAN programming language as implemented on AIX PS/2, AIX RT, and AIX/370. It is a companion reference for the AIX VS FORTRAN User's Guide, and it is written for programmers who want to develop VS FORTRAN programs that run in the AIX Operating System environment.

This book describes all the standard features of VS FORTRAN as well as the enhanced functions and capabilities incorporated into IBM AIX VS FORTRAN. You should have a general knowledge of programming concepts and basic familiarity with FORTRAN.

AIX Operating System Library Guide, Glossary, and Master Index AIX VS FORTRAN User's Guide, SC23-2049

1.3.24 AIX VS FORTRAN User's Guide, SC23-2049 This book is a user's guide for developing and executing FORTRAN programs on AIX PS/2, AIX RT, and AIX/370. This book also explains how to compile and execute programs that contain sections of code written in the VS Pascal and C programming languages.

This book is intended for programmers who have a general knowledge of programming concepts and an understanding of the FORTRAN programming language, as well as the AIX Operating System.

AIX Operating System Library Guide, Glossary, and Master Index AIX VS Pascal Reference, SC23-2054

1.3.25 AIX VS Pascal Reference, SC23-2054 This book describes the VS Pascal programming language as implemented on the IBM PS/2 or on the RT with the AIX Operating System installed. It is written for programmers who want to develop VS Pascal programs that run in the AIX Operating System environment.

This book describes all the standard features of Pascal as well as the enhanced functions and capabilities incorporated into IBM AIX VS Pascal. You should have a general knowledge of programming and programming concepts and a basic familiarity with Pascal.

AIX Operating System Library Guide, Glossary, and Master Index AIX VS Pascal User's Guide, SC23-2053

1.3.26 AIX VS Pascal User's Guide, SC23-2053
This book is a user's guide for developing and executing Pascal programs on the IBM PS/2 and on the IBM RT using the AIX Operating System. This book also explains how to compile and execute programs that contain sections of code written in the VS FORTRAN and C programming languages.

This book is intended for programmers who have a general knowledge of programming concepts and an understanding of the Pascal programming language, as well as the AIX Operating System.

AIX Operating System Library Guide, Glossary, and Master Index

AIX Workstation Host Interface Program User's Guide and Reference, SC23-2060

1.3.27 AIX Workstation Host Interface Program User's Guide and Reference, SC23 The Workstation Host Interface Program (WHIP) is a communications software package designed for high-speed communication between AIX workstations and host computer systems. WHIP allows AIX users to communicate with a host system or develop their own software applications to do so.

This book describes what you must know to use all the features included in the WHIP program. To use this manual effectively, both the user and the programmer should have the following skills:

Knowledge of the AIX Operating System command structur Ability to log on the AIX Operating System shel Familiarity with the AIX Operating System file syste Familiarity with VM/CMS, MVS/TSO, or VM/XA host system configuration Familiarity with the operation of an IBM 3278/79 termina Knowledge of communication concepts

AIX Operating System Library Guide, Glossary, and Master Index AIX X-Windows Programmer's Reference, SC23-2118

1.3.28 AIX X-Windows Programmer's Reference, SC23-2118
This reference book describes the IBM AIX X-Windows licensed program, which is a windowing system that allows you to view several programs simultaneously on a bit-mapped high-resolution display. It also provides remote display support for RT and PS/2 systems connected by a local area network (LAN).

This book is a descriptive guide to the low-level C language interface to X-Windows protocol. It is not a programmer's guide to X-Windows. Other high-level abstractions are built on top of the **Xlib** library; for example, those provided by the toolkits for X-Windows.

It is intended for anyone using X-Windows macros and functions. It provides detailed information on X-Windows library functions, FORTRAN subroutines, protocols and extensions. It assumes you have a basic understanding of a graphics window system and of the C language or FORTRAN programming language.

AIX Operating System Library Guide, Glossary, and Master Index AIX X-Windows User's Guide, SC23-2017

1.3.29 AIX X-Windows User's Guide, SC23-2017
This book is intended for anyone using AIX X-Windows. It provides information about starting, running, customizing, and using the X-Windows commands. The appendices contain information on installation and messages.

AIX Operating System Library Guide, Glossary, and Master Index AIX/370 Administration Guide, SC23-2088

1.3.30 AIX/370 Administration Guide, SC23-2088

This book provides instructions for personnel responsible for supervising AIX/370 systems. AIX/370 systems can consist of System/370 or 370 Extended Architecture computers running IBM AIX/370 for System/370 and System/370XA. This book should be used by the system administrator to oversee file system maintenance and preserve data integrity. It should also be used for performance tuning on the VM and AIX levels and for overseeing the VM File Transfer facility.

This book is written for the AIX/370 system administrator or anyone who is responsible for the planning and installation of AIX/370.

AIX Operating System Library Guide, Glossary, and Master Index AIX/370 Diagnosis Guide, SC23-2090

1.3.31 AIX/370 Diagnosis Guide, SC23-2090

This guide provides procedures and tools to help you define and categorize symptoms of problems affecting the operation of the IBM AIX System/370. It also helps you determine the cause and source of an error, which are among the first steps in resolving a problem.

This manual is intended for the system administrator in an environment that uses AIX/370. It helps the system administrator use IBM's support to resolve problems that may arise from operating AIX/370.

AIX Operating System Library Guide, Glossary, and Master Index AIX/370 General Information, GC23-2062

1.3.32 AIX/370 General Information, GC23-2062

This book describes ${\rm AIX}/370$ functions and capabilities and its position in the ${\rm AIX}$ family of products.

AIX Operating System Library Guide, Glossary, and Master Index AIX/370 Planning Guide, GC23-2065

1.3.33 AIX/370 Planning Guide, GC23-2065

The book is a planning guide for the IBM AIX/370 Operating System. This book describes the functions and capabilities of AIX/370 and identifies the areas of planning that must be explored before installation and be continually evaluated while the system is in use. The aspects of planning discussed in this book include:

Installatio
Customizatio
Networkin
Problem diagnosi
Operatio
Servic
Application programming

This book is intended for individuals responsible for purchasing, planning, or installing AIX/370.

AIX Operating System Library Guide, Glossary, and Master Index Installing and Customizing the AIX PS/2 Operating System, SC23-2290

1.3.34 Installing and Customizing the AIX PS/2 Operating System, SC23-2290

This book shows you how to install AIX PS/2 and how to customize the system to suit your needs. The step-by-step instructions enable you to install the operating system and its accompanying programs.

This book is written for anyone who would like to install the AIX PS/2 Operating System. It should also be read by anyone responsible for planning the installation.

AIX Operating System Library Guide, Glossary, and Master Index Installing and Customizing the AIX/370 Operating System, SC23-2066

1.3.35 Installing and Customizing the AIX/370 Operating System, SC23-2066

This book shows you how to install ${\rm AIX}/370$, and its accompanying programs. It also shows you how to customize the operating system to suit your specific needs.

This book is written for anyone who is planning to install AIX/370, the installer of the system, or the administrator of the system.

AIX Operating System Library Guide, Glossary, and Master Index Managing the AIX Operating System, SC23-2293

1.3.36 Managing the AIX Operating System, SC23-2293

This book provides instructions for managing the IBM AIX Operating System. It shows you how to keep the operating system in good working order, how to customize the operating system, and how to maintain data communication facilities.

This book is written for the system administrator or anyone who is responsible for managing the AIX Operating System. If more than one person uses your system, system management responsibilities may be given to one person or shared among several. If you are the only person using your system, you still must perform certain system management tasks.

AIX Operating System Library Guide, Glossary, and Master Index Using the AIX Operating System, SC23-2291

1.3.37 Using the AIX Operating System, SC23-2291

This book is written for those who want to learn how to use the IBM AIX Operating System for the IBM PS/2 and System/370.

If you have never used the AIX Operating System before, the beginning chapters teach the basic commands to get you started. If you are an intermediate or advanced user, this book provides an introduction to some of the more sophisticated features and commands.

This book includes the general information you need to be able to:

Start the AIX Operating System and use simple command Display and print the contents of file Use the file syste Work with processe Write shell program Use internal and external communication facilities

If you are unfamiliar with the AIX Operating System, you can use this book as a training manual. If you are familiar with the AIX Operating System, you can use this book as a reference.

AIX Operating System Library Guide, Glossary, and Master Index Ordering AIX Publications

1.4 Ordering AIX Publications

Each AIX manual is identified by both a unique order number and a file number which it shares with other manuals about the same system.

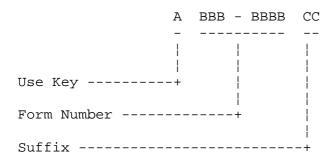
Subtopics

- 1.4.1 Order Numbers
- 1.4.2 Publication Titles and Order Numbers

AIX Operating System Library Guide, Glossary, and Master Index Order Numbers

1.4.1 Order Numbers

Order numbers appear on the covers of manuals below the title and release level. They consist of three parts: the use key, the form number, and the suffix.



The use key (A) indicates the conditions of availability of the manual. Following is a list of use-key codes:

G stands for general, which means that the manual is available without charge to users of IBM systems.

s means that the manual is for sale.

L means that the manual is only available to *licensed* users of a particular program product.

The form number (BBB-BBBB) is a unique number that identifies the manual.

The suffix (CC) identifies the edition of the manual (note that this number is not necessarily the same as the release level). For example, the first edition of a manual has a suffix of 00, the second edition has a suffix of 01, and so forth. To order the most current edition of any manual, use the order number without the suffix. See "Publication Titles and Order Numbers" in topic 1.4.2 for the list of AIX publications and their order numbers.

AIX Operating System Library Guide, Glossary, and Master Index Publication Titles and Order Numbers

1.4.2 Publication Titles and Order Numbers

+	
Publication Title	Order No.
AIX Access for DOS Users Administrator's Guide	SC23-2042
AIX Access for DOS Users User's Guide	SC23-2041
AIX C Language Reference	SC23-2058
AIX C Language User's Guide	SC23-2057
AIX Operating System Commands Reference (Volume 1)	SC23-2292
AIX Operating System Commands Reference (Volume 2)	SC23-2184
AIX Operating System Guide to Multibyte Character Set (MBCS) Support	GC23-2333
AIX Operating System Library Guide, Glossary, and Master Index	SC23-2324
AIX Operating System Messages Reference	SC23-2294
AIX Operating System Technical Reference (Volume 1)	SC23-2300
AIX Operating System Technical Reference (Volume 2)	SC23-2301
AIX Programming Tools and Interfaces	SC23-2304
AIX PS/2 DOS Merge User's and Administrator's Guide	SC23-2045
AIX PS/2 General Information	GC23-2055
AIX PS/2 INed	SC23-2001
AIX PS/2 INmail/INnet/INftp User's Guide	SC23-2076
AIX PS/2 Interface Library Reference	SC23-2051
AIX PS/2 Keyboard Description and Character Reference	SC23-2037
·	SC23-2044
	SC23-2039
AIX PS/2 Usability Services User's Guide	SC23-2038
·	SC23-2003
·	SC23-2034
·	SC23-2004
	SC23-2309
AIX VS FORTRAN Reference	SC23-2050

AIX Operating System Library Guide, Glossary, and Master Index Publication Titles and Order Numbers

	1
AIX VS FORTRAN User's Guide	SC23-2049
AIX VS Pascal Reference	SC23-2054
AIX VS Pascal User's Guide	SC23-2053
AIX Workstation Host Interface Program User's Guide and Reference	SC23-2060
AIX X-Windows Programmer's Reference	SC23-2118
AIX X-Windows User's Guide	SC23-2017
AIX/370 Administration Guide	SC23-2088
AIX/370 Diagnosis Guide	SC23-2090
AIX/370 General Information	GC23-2062
AIX/370 Planning Guide	GC23-2065
Installing and Customizing the AIX PS/2 Operating System	SC23-2290
Installing and Customizing the AIX/370 Operating System	SC23-2066
Managing the AIX Operating System	SC23-2293
Using the AIX Operating System	SC23-2291
+	

AIX Operating System Library Guide, Glossary, and Master Index Additional IBM Library Information Sources

1.5 Additional IBM Library Information Sources

There are various methods of obtaining information about IBM libraries, several of which are described in the following sections.

Subtopics

- 1.5.1 Virtual Machine/System Product (VM/SP) Library
- 1.5.2 System Library Subscription Services (SLSS)
- 1.5.3 Online Documentation
- 1.5.4 Reader's Comment Forms

AIX Operating System Library Guide, Glossary, and Master Index Virtual Machine/System Product (VM/SP) Library

1.5.1 Virtual Machine/System Product (VM/SP) Library
AIX/370 operates as a guest running under Virtual Machine/System Product
(VM/SP). You may wish to refer to the following manuals for more
information about the VM/SP Operating System:

The IBM System/370, 30xx, 4300, and 9370 Processors Bibliography, GC20-0001, lists by subject code and provides abstracts (by order number) of all the publications available which pertain to VM/SP. These abstracts are descriptions of the purpose, scope, and intended audience of each publication.

The VM/SP Library Guide and Master Index, GC19-6207, explains the organization of the VM/SP publications library. It also provides a master index to the contents of the library, and a directory of the programming interfaces that customers can use which are documented in the library.

The VM/SP General Information Manual, GC20-1838, introduces and describes the features of the IBM VM/SP program product. It provides information for installation managers and system programmers.

AIX Operating System Library Guide, Glossary, and Master Index System Library Subscription Services (SLSS)

1.5.2 System Library Subscription Services (SLSS)
The System Library Subscription Service (SLSS) is an automatic updating service for technical documentation. If IBM releases a new or revised document which matches your SLSS subscription, you automatically receive the latest version or edition of the publication.

You can enter a subscription in two different ways: by creating an interest profile, or by listing the order numbers of the manuals you want. Both methods use the SLSS order form, G120-1816.

Order by interest profile when you need all the documents relating to your installation. Profiles are composed of specific information about your processor, program, communication needs, and special subjects of interest about your system. You should subscribe by order number when you need multiple copies, when the publication was not part of the set shipped with the software, or when it is not available through the profile service. For example, when you order the AIX Operating System, an initial library is shipped with it, and you automatically receive updates to these books without an SLSS subscription. Use SLSS when you want updating service for multiple copies of these books, or for any additional or optional books you want to order. You will be billed for any use-key S manuals which you receive from SLSS.

You can update your subscription at any time by using the SLSS order form. For more information on SLSS see *Entering an SLSS Subscription*, G320-1561, or contact your IBM marketing representative.

AIX Operating System Library Guide, Glossary, and Master Index Online Documentation

1.5.3 Online Documentation

AIX Operating System users can access online information on AIX commands, system calls, subroutines, files and file formats, and TCP/IP commands using the ${\tt man}$ command. For more information on the ${\tt man}$ command, see ${\tt AIX}$ Operating System Commands Reference.

AIX Operating System Library Guide, Glossary, and Master Index Reader's Comment Forms

1.5.4 Reader's Comment Forms

A postpaid reader's comment form is included at the back of most IBM manuals. This form:

Explains how to comment on a manual and provides space to do s

Alerts readers that they can order manuals using this for

Gathers general information about readers and their level o satisfaction with the manual.

Users in countries other than the United States can submit their comments free by giving them to their IBM representative, who will forward them. Manuals that will not be updated or revised may not contain this form.

AIX Operating System Library Guide, Glossary, and Master Index Chapter 2. Glossary of Terms and Abbreviations

2.0 Chapter 2. Glossary of Terms and Abbreviations
This glossary defines terms that have special meaning in AIX Operating
System publications. It does not include terms that are defined in
nontechnical dictionaries and that have no special meaning in information
processing. This glossary also includes terms and definitions from the
IBM Dictionary of Computing, SC20-1699.

Subtopics

- 2.1 Sequence of Entries
- 2.2 Organization of Entries
- 2.3 Cross-References
- 2.4 Selection of Terms

AIX Operating System Library Guide, Glossary, and Master Index Sequence of Entries

2.1 Sequence of Entries

For clarity and consistency of style, this glossary arranges entries on an alphabetical letter-by-letter basis. In other words, only the letters of the alphabet determine sequence; special characters are ignored.

AIX Operating System Library Guide, Glossary, and Master Index Organization of Entries

2.2 Organization of Entries

Each entry consists of a single-word or multiple-word term or the abbreviation or acronym for a term, followed by a commentary. A commentary includes one or more items (definitions or references) and is organized as follows:

An item number, if the commentary contains two or more term

A usage label, indicating the area of application of the term; fo example, in service or in RSCS

Annotative sentences that provide additional or explanator information

References that direct the reader to other entries or items in th glossary.

AIX Operating System Library Guide, Glossary, and Master Index Cross-References

2.3 Cross-References

This glossary uses the following cross-references:

Contrast with. This refers to a term that has an opposed or substantively different meaning.

Synonym for. This indicates that the term has the same meaning as a preferred term, which is defined in its proper place in the glossary.

Synonymous with. This is a backward reference from a defined term to all other terms that have the same meaning.

See also. This refers the reader to related terms that have a related, but not synonymous, meaning.

2.4 Selection of Terms

A term is a word or group of words to be defined. In this glossary, the singular form of the noun and the infinitive form of the verb are the terms most often selected to be defined. If the term can be abbreviated, the abbreviation is given in parentheses immediately following the term. Most abbreviations are also defined in their proper place in the glossary.

+---+ | **A** | +---+

AADU. See AIX Access for DOS Users.

abbreviated combined relation condition. The combined condition that results from the explicit omission of a common subject or a common subject and common relation operator in a consecutive sequence of relation conditions.

acceleration. A multiplier for mouse movement.

access. (1) To obtain computing services. (2) To obtain data from or put data in storage. (3) The manner in which files or data sets are referred to by the computer.

access control list. A list of hosts (maintained by X-Windows) that have access to client programs. By default, only programs on the local host and those in this list can use the display. The list can be changed by clients on the local host, and some server implementations can also modify the list. The authorization protocol name and data received by the server at connection setup may affect the list as well. Synonymous with access list.

access list. Programs can use the display if they are run on the host system or on any of the systems listed in this file.

access mode. The manner in which records are to be operated upon within a file.

access permission. A group of designations that determine who can access a particular AIX file and how the user may access the file. The access permissions are read, write and execute.

account. The login directory and other information that give a user access to the system. Synonymous with user account.

action. In awk, lex and yacc, a C language program fragment that defines what the program does when it finds input that it recognizes.

action table. A table that specifies the mapping of externally available procedure strings to the corresponding procedure implemented by the widget class. All widget class records contain an action table.

active grab. A grab actually owned by the grabbing client. Synonymous with button grabbing. See also grab and passive grab.

active icon. The miniature terminal window that is displayed instead of an icon window.

activity manager. A collection of system programs allowing users to manage their activities. Provides the ability to list current activities (Activity List) and to begin, cancel, hide and activate activities.

actual decimal point. The physical representation, using the decimal
point characters period (.) or comma (,), of the decimal point position in
a data item.

adapter. See communications adapter.

address. (1) A name, label or number identifying a location in storage, a device in a network or any other data source. (2) A number that identifies the location of data in memory.

address field. The part of a packet containing addressing information.

 $addressing.\ \ \,$ (1) In data communications, the way that the sending or control station selects the station to which it is sending data. (2) A means of identifying storage locations.

adiscf. A utility for setting up the ADISCTRL database.

ADISCTRL database. The configuration file for the AIX VS COBOL ADIS Accept/Display module. Use the adiscf utility to alter entries in this database.

administrative event. A specified group of base events for which a user can be audited.

ADT. Application Development Toolkit.

AIX Access for DOS Users (AADU). A program that allows you to bridge the gap between PC and UNIX hosts.

AIX cluster. A group of computers operating under the AIX Operating System with the Transparent Computing Facility (TCF).

all points addressable (APA) display. A display that allows each pixel to be individually addressed. An APA display allows for images to be displayed that are not made up of images predefined in character boxes. Contrast with character display.

allocate. To assign a resource, such as a disk file, diskette or a tape file, to perform a specific task.

alphabet name. A user-defined word, in the SPECIAL-NAMES paragraph of the Environment Division, that assigns a name to a specific character set or collating sequence.

alphabetic. Pertaining to the set of letters A through Z.

alphabetic character. A letter or a space character.

alphanumeric. Consisting of letters, numbers and often other symbols, such as punctuation marks and mathematical symbols.

alphanumeric-edited character. A character within an alphanumeric character string that contains at least one B, 0 (zero) or / (slash).

alt keyboard state. See alternate keyboard state.

alt gr keyboard state. See alternate graphic keyboard state.

alternate keyboard state. A state of the keyboard obtained by pressing the Alt key in combination with another key.

alternate graphic keyboard state. A state of the keyboard obtained by pressing the AltGr key in combination with another key.

alternate record key. A key, other than the prime record key, whose contents identify a record within an indexed file.

American National Standard Code for Information Interchange (ASCII). The code developed by ANSI for information interchange among data processing systems, data communication systems and associated equipment. The ASCII character set consists of 7-bit control characters and symbolic characters.

American National Standards Institute (ANSI). An organization sponsored by the Computer and Business Equipment Manufacturers Association for

establishing voluntary industry standards.

ancestor. A widget that has inferior widgets. In other words, the superior or predecessor of an inferior widget. If W is inferior of A, then A is an ancestor of W.

ANIMATOR. An interactive program debugging tool for use with AIX VS COBOL programs.

ANSI. See American National Standards Institute.

APAR. See authorized program analysis report.

append. The action that causes data to be added to the end of existing data.

application. (1) A particular task, such as inventory control or accounts receivable. (2) A program or group of programs that apply to a particular business area, such as inventory control, word processing or accounts receivable.

application program. A program used to perform an application or part of an application.

argument. (1) An expression that is passed to a function, subroutine or procedure for evaluation. (2) Numbers, letters or words that expand or change the way commands work.

arithmetic expression. An identifier or a numeric elementary item, a numeric literal, such identifiers and literals separated by arithmetic operators, two arithmetic expressions separated by an arithmetic operation or an arithmetic expression enclosed in parentheses.

arithmetic operator. A single character or a fixed two character
combination that belongs to the following set:

Character Meaning

- + addition
- subtraction
- * multiplication
- / division
- ** exponentation

ARP. Address resolution protocol.

ascending key. A key upon the values of which data is ordered, starting with the lowest value of the key up to the highest value of the key, in

accordance with the rules for comparing data items.

ASCII. See American National Standard Code for Information Interchange.

ASCII control characters. Characters listed in the ASCII code table.

assembler. A computer program that converts assembly language instructions into object code.

assignment name. A name that identifies the organization of a COBOL file and the name by which it is known to the system.

assumed decimal point. A decimal point position that does not involve the existence of an actual character in a data item. The assumed decimal point has logical meaning with no physical representation.

asynchronous transmission. In data communication, a method of transmission in which the bits included in a character or block of characters occur during a specific time interval. However, the start of each character or block of characters can occur at any time during this interval. Contrast with synchronous transmission.

AT END condition. A condition caused:

During the execution of a READ statement for a sequentially accesse file, when no next logical record exists in the file or when the number of significant digits in the relative record number is larger than the size of the relative key data item or when an optional input file is not present.

During the execution of a RETURN statement, when no next logica record exists for the associated sort or merge file.

During the execution of a SEARCH statement, when the search operatio terminates without satisfying the condition specified in any of the associated WHEN phrases.

atom. A unique ID corresponding to a string name. Atoms are used to identify properties, types and selections.

attribute. A characteristic; for example, the attribute for a displayed field could be underlined, intensified or blinking.

audit. To review and examine the activities of a data processing system mainly to test the adequacy and effectiveness of procedures for data security and data integrity.

audit pipe. A chain of filter programs connected by pipes.

audit trail. (1) Data, in the form of a logical path linking a sequence
of events, used for tracing the transactions that have affected the
contents of a record. (2) Information that allows tracing of the history
of things such as a customer account of item record.

auditing class. A list of administrative auditing events that define which security-relevant events are recorded for a user. They are defined by the system administrator in the user data base.

authorize. To grant to a user the right to communicate with, or make use
of, a computer system or display station.

authorized program analysis report (APAR). A report of a problem that is caused by a suspected defect in a current unaltered release of a program.

authentication. In computer security, a process used to verify the user of an information system or protected resources.

auto carrier return. The system function that places carrier returns automatically within the text and on the display. This is accomplished by moving whole words that exceed the line end zone to the next line.

AUTOLOG. Otherwise called "automatic logon," this feature is a process by which a user's virtual machine is initiated by someone other than the user of that virtual machine; for example, the primary system user's virtual machine is activated automatically during initialization. A user can issue the AUTOLOG command to activate some other (disconnected) virtual machine.

automatic locking. A type of data locking, in which a single record or multiple records are locked by accessing them.

+---+ | B | +---+

backend. The program that sends output to a particular device. There are two types of backends: friendly and unfriendly.

backing store. The collection of off-screen save pixels maintained by the server.

background process. (1) A process that does not require operator intervention and that can be run by the computer while the work station is used to do other work. (2) A mode of program execution in which the shell does not wait for program completion before prompting the user for another command. Synonymous with batch printing and batch processing. Contrast with foreground processing.

backup copy. A copy, usually of a file or group of files, that is kept in case the original file or files are unintentionally changed or destroyed.

backup diskette. A diskette containing information copied from a fixed disk or from another diskette. It is used in case the original information becomes unusable.

backup format. A compressed file format. When the backup command makes a
copy of a file, it writes the file in this format. A file in this format
must be restored by the restore command before it can be used.

backup format file. A file in backup format.

backup tape. A tape containing information copied from disks or another tape. It is used in case the original information is unintentionally destroyed.

bad block. A portion of a disk that can never be used reliably.

BAL. Basic assembler language.

bandwidth. The difference, in hertz, between the two limiting frequencies of a band.

base address. The beginning address for resolving symbolic references to locations in storage.

base event. An action for which a user may be audited.

base keyboard state. Default state of the keyboard characterized by no shift keys being pressed.

base name. (1) The last element to the right of a full path name. (2) A file name specified without its parent directories.

Base System Program. That part of the AIX/370 Operating System that contains operating system files and data. The AIX/370 Operating System consists of the Base System Program, which contains the operating system files.

Basic Networking Utility (BNU). A program that enables users to communicate with computers other than their local computers. Based on the UNIX to UNIX Copy (UUCP) network facility, it uses hardwired, telephone, or IBM Token-Ring network or Ethernet lines.

batch mode. A method for passing parameters to a module by specifying them on the command line or in a file instead of giving them interactively.

batch printing. Queueing one or more documents to print as a separate job. The operator can type or revise additional documents at the same time. Synonym for *background process*.

batch processing. A processing method in which a program or programs
process serially with little or no operator action. Synonym for
background process. Contrast with interactive processing.

baud. A unit of signaling speed equal to the number of discrete conditions or signal events per second.

binary. (1) Pertaining to a system of numbers to the base two; the binary digits are 0 and 1. (2) Involving a choice of two conditions, such as on-off or yes-no.

binary item. A numeric data item represented in binary notation (on the base 2 numbering system). Binary items have a decimal equivalent consisting of the decimal digits 0 through 9, plus an operation sign. The leftmost bit of the item is the operational sign.

binary search. A dichotomizing search in which, at each step of the search, the set of data elements is divided by two; some appropriate action is taken in case of an odd number.

binary sequential file. A sequential file that contains binary records.

binding. An interpretation of what a key produces when used with a modifier key; for example, pressing $\bf A$ and the **Shift** or **Lock** key produces an $\bf A$ (an uppercase $\bf A$) with the US English keyboard mappings.

bit. Either of the binary digits 0 or 1 used in computers to store
information. See also byte.

bit gravity. The attraction of window contents for a location in a window. When a window is resized, its contents can be relocated. The server can be requested to relocate the previous contents to a region of the window.

bit patterns. Combination of bits used to form data stream characters.

bit plane. On a color display, each pixel has more than one bit defined. Data in display memory can be either pixels (multiple bits per pixel) or bit planes. There is a 1-bit plane for each usable bit in the pixel.

bit rate. The speed at which serialized data is transmitted, usually expressed in bits per second.

bitmap. A pixmap with a depth of one bit plane.

block. (1) A group of records that is recorded, processed or sent as a unit. Synonymous with **physical record** and *data block*. (2) A physical unit of data that is normally composed of one or more logical records. For mass storage files, a block may contain a portion of a logical record. The size of a block has no direct relationship to the size of the logical record(s) that are either contained within the block or that overlap the block.

block file. A file listing the usage of blocks on a disk.

block special file. A special file that provides access to an input or output device capable of supporting a file system. See also **character special file.**

BNU. See Basic Networking Utility.

boot. See bootstrap.

bootstrap. A small program that loads larger programs during system
initialization. Synonym for IPL (Initial Program Load). Synonymous with
boot.

bounding box. A geometry management technique. There are four types: fixed, heterogeneous, homogeneous and shell.

Bourne shell. A flexible command language that can be customized to specific applications or user needs.

BPI. Bits per inch.

branch. In a computer program, an instruction that selects one of two or more alternative sets of instructions. A conditional branch occurs only when a specified condition is met.

breakpoint. A place in a computer program, usually specified by an instruction, where execution may be interrupted by external intervention or by a monitor program.

bridge. In the connection of local loops, channels or rings, the
equipment and techniques used to match circuits and facilitate accurate

data transmission.

broadband. Transmission media and techniques that use a broad frequency range that is divided into sub-bands of narrower frequency.

BSD. Berkeley Software Distribution.

buffer. (1) A temporary storage unit, especially one that accepts information at one rate and delivers it at another rate. (2) An area of storage, temporarily reserved for performing input or output, into which data is read or from which data is written.

bug. A problem in the logic of a program that causes the program to perform differently than expected.

burst pages. On continuous-form paper, pages of output that can be separated at the perforations.

button. (1) A word, number, symbol or picture on the screen that can be selected. A button may represent a command, file, window or value, for example. (2) A key on a mouse that is used to select buttons on the display screen or to scroll the display image.

button grabbing. (1) The mouse can be grabbed by a client, either passively by the program itself or actively by clicking a button.

(2) Enacting a grab using a mouse button. Synonym for active grab.

byte. The amount of storage required to represent one character; a byte
is 8 bits.

byte order. The order of bytes as defined by the server for pixmap or bitmap data. Clients with different native byte ordering must swap bytes as necessary.

+---+ | C | +---+

C language. A general-purpose programming language that is the primary language of the AIX Operating System.

cable. The physical media for transmitting signals; includes copper conductors and optical fibers.

cache. A high-speed buffer storage that contains frequently accessed instructions and data. It is used to reduce access time. See also write back cache.

call. (1) To activate a program or procedure at its entry point. Contrast with **load**. (2) In data communications, the action necessary in making a connection between two stations on a switched line.

called program. A program that is the object of a CALL statement combined at object time with the calling program to produce a run-unit. Synonymous with subprogram.

calling program. A program that executes a CALL to another program.

callout. An AIX kernel parameter establishing the maximum number of scheduled activities that can be pending simultaneously.

cancel. To end a task before it is completed.

canonical processing. Processing that occurs according to a defined set of rules.

carrier. A continuous frequency that can be modulated with a second (information-carrying) signal.

carrier return. (1) In text data, the action causing line ending formatting to be performed at the current cursor location followed by a line advance of the cursor. Equivalent to the carriage return of a typewriter. (2) A keystroke generally indicating the end of a command line.

carrier sense multiple access with collision detection (CSMA/CD). The generic term for a class of medium access procedures that allows multiple stations to access the medium at will without explicit prior coordination, avoids contention by way of carrier sense and deference and resolves contention by way of collision detection and transmission.

case sensitive. Able to distinguish between uppercase and lowercase letters.

case structure. A program processing logic in which a series of conditions is tested in order to make a choice between a number of resulting actions.

cathode ray tube (CRT). An output device by which an operator can receive visual data.

CCITT. Comite Consultative International Telegraphie' et Telephone', the organization which oversees data communactaions in France.

CCW. Channel command word.

CD-Name. A user-defined word that names an MCS interface area described in a communication description entry within the COMMUNICATION SECTION of the Data Division.

central processing unit (CPU). The part of a computer that includes the circuits that control the interpretation and execution of instructions.

chained program. A program that is the object of a CHAIN statement.

chaining program. A program that executes a CHAIN to another program.

channel. (1) A path along which data passes. (2) A device connecting the processor to I/O. (3) One of 32 bits in a table used to represent which event classes are active or inactive. The most significant bit is called channel 0 and the least significant bit is called channel 31.

character. (1) A member of a set of elements that is used for the representation, organization, or control of data. Characters may be a letter, digit or other symbol. (2) The basic indivisible unit of the language.

character class. Ranges of characters that match a single character.

character delete. In text data, the action that erases the character at the current cursor location and moves any trailing text one character position to the left.

character display. A display that uses a character generator to display predefined character boxes of images (characters) on the screen. This kind of display cannot address the screen any less than one character box at a time. Contrast with all points addressable display.

character key. A keyboard key that allows the user to enter the character shown on the key. Contrast with function keys.

character position. (1) On a display, each location that a character or symbol can occupy. (2) The amount of physical storage required to store a single standard data format character described as USAGE IS DISPLAY.

character set. (1) A finite set of different characters that is complete
for a given purpose, for example, the character set in ISO Standard 646,
"7-bit Coded Character Set for Information Processing Interchange".
(2) An ordered set of unique representations called characters; for
example, the 26 letters of the English alphabet, Boolean 0 and 1, the set
of symbols in the Morse code, and the 128 ASCII characters. (3) A defined

collection of characters. (4) All the valid characters for a programming language or for a computer system. (5) A group of characters used for a specific reason, for example, the set of characters a printer can print.

character special file. A special file that provides access to an input or output device. The character interface is used for devices that do not use block I/O. See also block special file.

character string. (1) A sequence of consecutive characters. (2) A sequence of contiguous characters that form a COBOL word, a literal, a PICTURE character string or comment entry.

character variable. The name of a character data item whose value may be assigned or changed while the program is running.

checkpoint. A point at which information about the status of a job and the system can be recorded so that the job step can be later restarted.

child. (1) Pertaining to a secured resource, either a file or library, that uses the user list of a parent resource. A child resource can have only one parent resource. (2) In the AIX Operating System, child is a process spawned by a parent process that shares the attributes of the parent process. Contrast with parent. (3) A first-level subwindow.

children. The first-level subwindows. See also managed children.

class. (1) Pertaining to the I/O characteristics of a device. AIX devices are classified as block or character. (2) A general group to which a specific object belongs. See also widget class.

class A address. An Internet Protocol (IP) address in which the first byte is the network address and the following three bytes indicate the host. If the first number of an IP address is less than 128, the address is class A.

class B address. An Internet Protocol (IP) address in which the first and second bytes are the network address and the following two bytes indicate the host. If the first number of the address is between 128 and 191, inclusive, it is class B.

class C address. An Internet Protocol (IP) address in which the first, second and third bytes are the network address and the last byte indicates the host. If the first number of the address is between 192 and 223, inclusive, then the address is class C.

class condition. The proposition, for which a truth value can be determined, that the content of an item is wholly alphabetic, is wholly numeric or consists exclusively of those characters listed in the definition of a class name.

clause. An ordered set of consecutive COBOL character strings whose purpose is to specify an attribute of an entry.

client. (1) A computer or process that accesses the data, services or resources of another computer or process on the network. (2) An application program connects to X-Windows by some interprocess communication (IPC) path, such as a TCP connection or a shared memory buffer. The program may be referred to as the client of the server, but it is actually the IPC path itself. Programs with multiple paths open to the server are viewed as multiple clients by the protocol. Examples of client programs include: aixwm, xclock and aixterm.

clip list. A list of rectangles designated for clipping.

clipping region. A type of graphics output. In a graphics context, the image defined by the bitmap or rectangles used to restrict output to a particular region of a window.

clock. A device that generates periodic signals used for synchronization.

close. To end an activity and remove that window from the display.

cluster. (1) A group of AIX/370 and AIX PS/2 systems running the Transparent Computing Facility (TCF) and communicating over a local area network (LAN). A cluster can function as a single system that presents a consistent interface and set of resources to users anywhere in the group. (2) A station that consists of a control unit (a cluster controller) and the terminals attached to it. (3) On an IBM personal computer, a particular measure of space on a diskette that DOS establisehes when it formats the diskette; DOS then allocates space to files in cluster increments. For a single-sided diskette, a cluster is a sector. For a dual-sided diskette, a cluster is two consecutive sectors. (4) A group of storage locations allocated at one time.

CMS. See Conversational Monitor System.

coaxial cable. A cable consisting of one conductor, usually a small copper tube or wire, within and insulated from another conductor of larger diameter, usually copper tubing or copper braid.

cob command. The command used to access the various components of the AIX
VS COBOL system: the compiler, code generator and linker.

cobkeymp database. A file that contains a mapping of control characters and terminfo codes onto a standard set of function keys that the ADIS ACCEPT/DISPLAY module can recognize. Set up this file with the keybef utility.

COBOL character set. The complete SAA COBOL character set consists of the 77 characters listed below:

Character Meaning

```
0,1,...9 Digit
A,B,...Z Uppercase letter
a,b,...z Lowercase letter
          Space
          Plus sign
          Minus sign (hyphen)
          Asterisk
          Slant (solidus)
/
          Equal sign
$
          Currency sign
          Comma (decimal point)
          Semicolon
          Period (decimal point, full stop)
          Quotation mark
          Left parenthesis
(
          Right parenthesis
)
          Greater than symbol
>
          Less than symbol
```

COBOL system directing statement. A statement, beginning with a directing verb, that causes your COBOL system to take a specific action during creation of the intermediate code.

COBOL word. See word.

cobrun. The command used to execute an intermediate code program.

COBSW. The environment variable that controls the settings of the switch parameters.

code. (1) Instructions for the computer. (2) To write instructions for the computer; to program. (3) A representation of a condition, such as an error code.

code page. (1) An assignment of graphic characters and control function meanings to all code points. For example, assignment of characters to 256 code points for an 8-bit code. A 7-bit code has 128 code points. The code page for a 7-bit code will assign one graphic character (a glyph) or one control function to each of the code elements from 0 to 127. (2) A specification of code points for each character in a set. Within a code page, each code point can represent only one character. (3) Arrays of code points representing characters that establish ordinal sequence (numeric order) of characters. AIX uses 256-character code pages.

code page switching. To change to a different code page.

code point. (1) The bit pattern that represents a specific character
within a code page. (2) A 1-byte code representing one of 256 potential
characters. (3) A 1- or 2-byte representation of a character. A byte can
contain a single-shifted bit that indicates that the second byte is a part
of the same code point and indicates the code page of the character. The
second byte (only byte in the case of a 1-byte character) places the
character in the code page array.

code page 850. A single-byte code representing the ASCII control and graphic characters and 128 extended characters for U.S. and European languages. Synonymous with file code or multibyte code.

code page 932. A mixed single- and double-byte code representing the ASCII control and graphic characters and the extended characters for single- and double-byte Katakana and double-byte Hiragana, Kanji, and Roman. Synonymous with Shift-JIS, file code or multibyte code.

code segment. See segment.

collating sequence. The sequence in which characters are ordered within the computer for sorting, combining or comparing.

collation. The process of character and string sorting based on alphabetical order and equivalence class.

collation table. Provides an ordered character set and character equivalence classes used by functions.

collision. A condition caused by multiple overlapping transmissions on the medium, which results in garbled data.

color cell. An entry in a colormap that consists of three values based on
red, green and blue intensities. The values are 16-bit, unsigned numbers.
Zero represents the minimum intensity. The values are scaled by the
server to match the particular display in use.

color display. A display device capable of displaying more than two colors and the shades produced via the two colors, as opposed to a monochrome display.

color expansion operation. A graphics programming operation that occurs automatically when the source pixel map data area contains only one byte per pixel, and the destination pixel map data area is a color display adapter buffer frame defined to have more than one bit per pixel.

colormap. A set of color cells. A pixel value indexes the colormap to produce RGB-value intensities. A colormap consists of a set of entries defining color values that, when associated with a window, is used to display the contents of the window. Depending on hardware limitations,

one or more colormaps can be installed at one time, such that windows associated with those maps display correct colors. See also *direct color* and *pseudocolor*.

column. (1) A vertical arrangement of text or numbers. (2) A character position within a print line. The columns are numbered from 1, by 1, starting at the leftmost character position of the print line and extending to the rightmost position of the print line.

column headings. Text appearing near the top of columns of data for the purpose of identifying or titling.

combined condition. A condition that is the result of connecting two or more conditions with the AND or the OR logical operator.

command. A request to perform an operation or run a program. When parameters, arguments, flags or other operands are associated with a command, the resulting character string is a single command.

command bar. The horizontal are at the top of the screen that contains commands that you can use in the current window. This line appears when the WINDOWS window, an APPLICATIONS window, a FILES window or a TOOLS window is active.

command interpreter. (1) A program (such as Bourne or C shell) that sends instructions to the kernel; also called an interface. (2) The part of an operating system that translates your commands into instructions that the operating system understands.

command line. The area of the screen where commands are displayed as they
are typed.

command-line editing keys. Keys for editing the command line.

command name. (1) The first or principal term in a command. A command
name does not include parameters, arguments, flags or other operands.
(2) The full name of a command when an abbreviated form is recognized by
the computer; for example, "print working directory" for pwd.

command pop-up. A pop-up in which you type in commands. The command pop-up appears at the bottom of the screen when you press the Command or Previous Command key.

command programming language. Facility that allows programming by the
combination of commands rather than by writing statements in a
conventional programming language. See also shell procedure.

command synonym. A user-assigned alias for a command name.

command word. The name of the 16-bit units used for storing graphic primitive strings (GPS). The first command word determines the primitive type and sets the length of the string. Subsequent command words contain information in multiples of quid or four bits of data.

comment-entry. An entry in the Identification Division that may be any combination of characters from the computer's character set.

comment line. A source program line represented by an asterisk (*) in the indicator area of the line and any characters from the computer's character set in area A and area B of that line. The comment line serves only for documentation in a program. A special form of comment line represented by a slant (/) in the indicator area of the line and any characters form the computer's character set in area A and area B of the line causes page ejection prior to printing the comment.

common program. A program that, despite being directly contained within another program, may be called from any program directly or indirectly contained in that other program.

COMMS. A tool that helps you set up and update an initialization file to be used by the communication facility.

communication channel. An electrical path that facilitates transmission of information from one location to another.

communication description entry. An entry in the COMMUNICATION SECTION of the Data Division that is composed of the level indicator CD, followed by a cd-name and then followed by a set of clauses as required. The entry describes the interface between the Message Control System (MCS) and the COBOL program.

communication device. A mechanism (hardware or hardware/software) capable of sending data to a queue or receiving data from a queue or both. This mechanism may be a computer or a peripheral device. One or more programs containing communication description entries and residing within the same computer define one or more of these mechanisms.

COMMUNICATION SECTION. The section of the Data Division that describes the interface areas between the MCS and the program, composed of one or more CD description entries. See also message control system.

communications. See data communications.

communications adapter. A hardware feature enabling a computer or device to become a part of a data communications network. Synonymous with adapter.

communications line. The line over which data communications takes place; for example, a telephone line.

communications link. See data link.

compile. (1) To translate a program written in a high-level programming language into a machine language program. (2) The computer actions required to transform a source file into an executable object file. (3) To prepare a machine language program from a computer program written in another programming language by making use of the overall logic structure of the program or generating more than one computer instruction for each symbolic statement, or both, as well as performing the function of an assembler.

compile time. The time at which a COBOL source program is translated, by a COBOL compiler, to a COBOL object program.

compiler. A program that reads program text from a file and changes the programming language statements in that file to a form that the system can understand.

compiler directing statement. A statement, beginning with a compiler directing verb, that causes the compiler to take a specific action during compilation. The SAA compiler direction statements are COPY, EJECT, SKIP 1/2/3, TITLE and USE.

complex condition. A condition in which one or more logical operators act upon one or more conditions. See also negated simple condition, combined condition and negated combined condition.

composite widget. A widget that is a compilation of implementation-defined children, contains methods for managing the geometry of any widget and usually has at least one normal child, but may have none. A subclass of Core widget.

compress. (1) To move files and libraries together on disk to create one continuous area of unused space. (2) In data communication, to delete a series of duplicate characters in a character string.

compression. A technique for removing strings of duplicate characters and for removing trailing blanks before transmitting data.

computational data. A type of COBOL data designed specifically for numeric computations.

computer name. A system name that identifies the computer upon which the program is to be compiled or run.

computer virus. A program that can vandalize your files. Although it usually does its defined task, it can spread itself to other files and directories on the system.

concatenate. (1) To link together. (2) To join two character strings.

concentrator. (1) In data transmission, a functional unit that permits a common medium to serve more data sources than there are channels currently available within the transmission medium. (2) Any device that combines incoming messages into a single message (concentration) or extracts individual messages from the data sent in a single transmission sequence (deconcentration).

concurrent group set. A list of the IDs of the various groups to which a
user belongs.

concurrent groups. The ability to access files from many groups at the same time.

condition. (1) An expression in a program or procedure that can be evaluated to a value of either true or false when the program or procedure is running. (2) A status of a program at run-time for which a truth value can be determined. Where the term condition (condition-1, condition-2,...) appears in these language specifications in or in reference to condition (condition-1, condition-2,...) of a general format, it is a conditional expression consisting of either a simple condition optionally parenthesized or a combined condition consisting of the syntactically correct combination of simple conditions, logical operators and parentheses, for which a truth value can be determined.

condition name. A user-defined word that assigns a name to a subset of values that a conditional variable may assume; or a user-defined word assigned to a status of an implementer defined switch or device. When condition name is used in general formats, it represents a unique data item reference consisting of a syntactically correct combination of a condition name, together with qualifiers and subscripts, as required for uniqueness of reference.

condition name condition. The proposition, for which a truth value can be determined, that the value of a conditional variable is a member of the set of values attributed to a condition name associated with the conditional variable.

conditional expression. A simple condition or a complex condition specified in an EVALUATE, IF, PERFORM or SEARCH statement. See also simple condition and complex condition.

conditional statement. A statement specifying that the truth value of a condition is to be determined and that the subsequent action of the object program is dependent on this truth value.

conditional variable. A data item one or more values of which has a condition name assigned to it.

configuration. The group of machines, devices and programs that make up a computer system. See also system customization.

configuration file. A file that specifies the characteristics of a system
or subsystem; for example, the AIX queueing system.

CONFIGURATION SECTION. A section of the Environment Division that describes overall specifications of source and object programs.

confirmation. A transmission by a receiver that permits a sender to
continue.

connection. The IPC path between the server and a client program. A client program typically, but not necessarily, has one connection to the server over which requests and events are sent.

connection close. All events made by the client are discarded and the server resets its state to having no connection.

connective. A reserved word that is used to do the following:

Associate a data-name, paragraph-name, condition-name or text-nam with the reserved word's qualifier.

Link two or more operands written in a series

Form conditions (logical connectives). See also logical operator.

consistent. Pertaining to a file system, without internal discrepancies.

CONSOLE. A COBOL environment name associated with the operator console.

console. (1) The main AIX display station used for communications between the operator or maintenance engineer and the computer. (2) A device name associated with the main AIX display station.

console display. A display that can be requested only at the system console. From a console display, an operator can display, send and reply to messages and use all control commands.

constant. (1) A data item with a value that does not change. Contrast
with variable. (2) A structure that is initialized at compile-time and
never changed except for a one-time class initialization and an in-place

compilation of resource lists; for example, the contents of a widget class are constant.

constant-name. A user-defined word assigned as the name of a fixed value.

constraint widget. A widget that is a subclass of a composite widget. It manages the geometry of its children based on constraints associated with each child.

containment. A pointer is contained if the pointer is located in the window, but not within an inferior of the window, and the cursor hotspot is within a visible region of a viewable window or one of its inferiors. The border of the window is considered part of the window.

contention. A condition on a communications channel when two stations attempt to use the same channel simultaneously.

contention resolution. The process of resolving contention (medium access
control conflicts) according to a defined algorithm.

context search. A search through a file whose target is a character string.

contiguous items. Items that are described by consecutive entries in the Data Division and that bear a definite hierarchic relationship to each other.

control block. A storage area used by a program to hold control
information.

control character. (1) A character, occurring in a particular context, that initiates, modifies or stops any operation that affects the recording, processing, transmission or interpretation of data (such as carriage return, font change and end of transmission). (2) A non-printing character that performs formatting functions in a text file.

control code. A code point and its assigned control function meaning; for example, "end of transmission". Control codes do not have graphical representations. For 7-bit codes such as ASCII, the first 32 code points are reserved for control purposes. See also single-shift control.

control commands. Commands that allow conditional or looping logic flow in shell procedures.

control program. Part of the AIX Operating System that determines the order in which basic functions should be performed.

controlled cancel. The system action that ends the job step being run and saves any new data already created. The job that is running can continue with the next job step.

Conversational Monitor System (CMS). A virtual machine operating system that provides general interactive, time sharing problem solving and program development capabilities, and that operates only under the control of the VM/SP control program.

convert3. A program to convert RM/COBOL data files to AIX VS COBOL data files.

convert5. A program to convert DGCOBOL data files to AIX VS COBOL data files.

coordinate system. X is the horizontal axis and Y is the vertical axis. The origin [0,0] is at the upper-left. For a window, the origin is upper-left, inside the border. Coordinates are discrete and are specified in pixels. Each window and pixmap has its own coordinate system.

copy. The action by which the user makes a whole or partial duplicate of already existing data.

Core widget. The widget that contains the definitions of fields common to all widgets. All widgets are subclasses of the Core widget.

coredump. A kernel memory image dump that is given a unique name so that it will not be over-written in case of another failure. This enables the system administrator to analyze the dump and determine the cause of failure at some later time.

counter. A data item used for storing numbers or number representations in a manner that permits these numbers to be increased or decreased by the value of another number or to be changed or reset to zero or to an arbitrary positive or negative value.

coupler. A device connecting a modem to a telephone network.

CPU. See central processing unit.

crash. An unexpected interruption of computer service, usually due to a serious hardware or software malfunction.

creation date. The program date at the time a file is created.

cross-reference listing. The portion of the compiler listing that
contains information on where files, fields and indicators are defined,

referenced and modified in a program.

CRT. See cathode ray tube.

CSMA/CD. See carrier sense multiple access with collision detection.

CSS. See current synchronized site.

CSW. Channel status word.

CTC. Channel-to-channel.

CTCA. Channel-to-channel adapter.

ctrl keyboard state. See control keyboard state.

control keyboard state. A state of the keyboard obtained by pressing the Ctrl key in combination with another key.

currency sign. The character \$ of the COBOL character set.

currency symbol. The character defined by the CURRENCY SIGN clause in the SPECIAL NAMES paragraph. If no CURRENCY SIGN clause is present in a COBOL source program, the currency symbol is identical to the currency sign.

current host. See local host.

current directory. (1) The directory that is the starting point for relative path names and that can be displayed with the pwd command. (2) The currently active directory. When you specify a file name without specifying a directory, the system assumes that the file is in your current directory. Synonymous with current working directory and working directory.

current file. (1) The file you are editing. If you are using multiple
windows, it is the file containing the cursor. (2) In make, the file that
the make command is working with at a given moment. make replaces the
macro \$* with the name of the current file.

current line. The line on which the cursor is located.

current record. In file processing the record that is available in the record area associated with a file.

current screen. The actual image that is currently on the display screen.

current synchronization site (CSS). The site in the cluster containing the primary copy of the replicated file system.

current working directory. See current directory.

cursor. (1) A movable symbol (such as an underline) on a display, used to indicate to the operator where the next typed character will be placed or where the next action will be directed. (2) A marker that indicates the current data access location within a file. (3) In X-Windows, it consists of a hot spot, a source bitmap and a pair of colors.

cursor movement keys. The directional keys used to move the cursor
without altering text.

customize. To describe (to the system) the devices, programs, users and user defaults for a particular data processing system.

cylinder. All fixed disk or diskette tracks that can be read or written without moving the disk drive or diskette drive read/write mechanism.

+---+ | **D** | +---+

daemon. See daemon process.

daemon process. (1) A background process that is usually begun at system start which runs continuously and performs a function required by other processes. (2) A process begun by the root or the root shell that can be stopped only by the root. Daemon processes generally provide services that must be available at all times to more than one task or user; for example, sending data to a printer. Synonymous with daemon.

DARPA. Defense Advanced Research Project Agency.

DASD. Direct access storage device.

data base. A collection of information used for a specific purpose.

data block. See block.

data circuit. Associated transmit and receive lines that provide a means of two-way data communications.

data circuit terminating equipment (DCE). Equipment that provides the signal conversion and coding between the data terminal equipment (DTE) and the line.

data clause. A clause, appearing in a data description entry in the Data Division of a COBOL program, that provides information describing a particular attribute of a data item.

data communications. The transmission of data between computers and/or remote devices (usually over a long distance). Synonymous with communications.

data description entry. An entry, in the Data Division of a COBOL program, that is composed of a level number, followed by a data-name, if required, and then followed by a set of data clauses, as required.

data dictionary. A table, built by your COBOL system and held in memory, that contains information on each user-defined name.

Data Division. One of the four main components of a COBOL program. The Data Division describes the data to be processed by the object program: files to be used and the records contained within them; internal Working Storage records that will be needed; data to be made available in more than one program in the run-unit.

data item. A unit of data (excluding literals) defined by the COBOL
program.

data link. The equipment and rules (protocols) used for sending and receiving data. Synonymous with communications link.

data locking. A mechanism by which a program may lock certain file records, preventing other programs from modifying the file records.

data-name. A user-defined word that names a data item described in a data description entry. When used in the general formats, data-name represents a word that must not be subscripted or qualified unless specifically permitted by the rules of the format.

data portability. The ability to use data sets or files with different operating systems.

data stream. All information (data and control information) transmitted over a data link.

data terminal equipment (DTE). That part of a data station that serves as a data source, data sink, or both.

data type. (1) A category that identifies the mathematical qualities and internal representation of data. (2) In programming languages, a set of values together with a set of permitted operations.

DBCS. See double-byte character set.

dbm. (1) Format for the Yellow Pages data base files. (2) Format for the Network File System network information service (NIS) data base files.

dbx. A common AIX symbolic debugger.

DCD. Data carrier detect.

DCE. See data cicuit terminating equipment.

debug. (1) To detect, locate and correct mistakes in a program. (2) To find the cause of problems detected in software.

debugging line. A debugging line is any line with a D in the indicator area of the line.

DEBUGGING SECTION. A section that contains a USE FOR DEBUGGING statement.

decimal. Pertaining to a system of numbers to the base 10; decimal digits range from 0 to 9.

declaration. A statement in a program that defines how a label is used.

declarative sentence. A compiler-directing sentence consisting of a single USE statement terminated by the separator period.

declaratives. A set of one or more special purpose sections, written at the beginning of the Procedure Division, the first of which is preceded by the key word DECLARATIVES and the last of which is followed by the key words END DECLARATIVES. A declarative is composed of a section header, followed by a USE compiler directing sentence, followed by a set of zero, one or more associated paragraphs.

default. A value, attribute or option that is used when no alternative is specified by the operator.

default directory. The directory name supplied by the operating system if none is specified.

default drive. The drive name supplied by the operating system if none is specified.

default value. A value stored in the system that is used when no other value is specified.

delete. To remove; for example, to delete a file.

delimited scope statement. Any statement that includes its explicit scope terminator.

delimiter. A character or a sequence of contiguous characters that identify the end of a string of characters and separate that string of characters from the following string of characters. A delimiter is not part of the string of characters that it delimits.

dependent work station. A work station having little or no stand-alone capability, that must be connected to a host or server in order to provide any meaningful capability to the user.

depth. (1) The number of bits per pixel for a window or pixmap. (2) For a GContext, the depth is the depth of the root of the GContext. (3) The depth of the drawables that can be used in conjunction with graphics output.

descending key. A key upon the values of which data is ordered starting with the highest value of key down to the lowest value of key, in accordance with the rules for comparing data items.

de-select. To cancel the selection of a button. With a mouse, you de-select a highlighted area with the Select (left) button. Otherwise, you can use the **Select** key on the keyboard. To de-select a default button, select an alternate button in the selection list.

destination. The symbolic identification of the receiver of a transmission from a queue.

device. (1) An electrical or electronic machine that is designed for a specific purpose and that attaches to your computer; for example, a printer, plotter or disk drive. (2) An input device, such as a keyboard, mouse, table, track-ball or button box. Synonymous with physical device.

device driver. A program that operates a specific device, such as a printer, disk drive or display.

device manager. A collection of routines that act as an intermediary between device drivers and virtual machines for complex interfaces; for

example, supervisor calls from a virtual machine are examined by a device manager and are routed to the appropriate subordinate device drivers.

device name. A name reserved by the system that refers to a specific device.

DGCOBOL. Data General Interactive COBOL Rev 1.30.

diacritical. Keys not used or dead keys. These keys cannot be changed. The diacritical key characters are defined in XLookupMapping.

diagnostic. Pertaining to the detection and isolation of an error.

diagnostic aid. A tool (procedure, program, reference manual) used to detect and isolate a device or program malfunction or error.

diagnostic program. See diagnostic routine.

diagnostic routine. A computer program that recognizes, locates and explains either a fault in equipment or a mistake in a computer program. Synonymous with diagnostic program.

dial-up connection. The use of a dial or push-button telephone to establish a connection.

digit. Any of the numerals from 0 through 9. In COBOL, the term is not used in reference to any other symbol.

digit position. The amount of physical storage required to store a single digit. This amount may vary depending on the usage specified in the data description entry that defines the data item.

digital data. Data represented by on and off conditions called bits.

direct access. The facility to obtain data from storage devices or to enter data into a storage device in such a way that the process depends only on the location of that data and not on a reference to data previously accessed.

direct color. (1) A class of colormap in which a pixel value is decomposed into three separate subfields for indexing. One subfield indexes an array to produce red intensity values, the second indexes another array for blue intensity values, and the third indexes another array for green intensity values. The RGB values can be changed dynamically. This is mutually exclusive to the Pseudocolor colormap color. (2) Also DirectColor, a value.

directory. A type of file containing the names and controlling information for other files or other directories.

disable. To make nonfunctional; for example, a processing unit is disabled when it prevents the occurrence of certain types of interrupts.

discipline. Pertaining to the order in which requests are serviced; for example, first-come-first-served (fcfs) or shortest job next (sjn).

disk I/O. Fixed-disk input and output.

diskette. A thin, flexible magnetic plate that is permanently sealed in a protective cover. It can be used to store information copied from the disk or another diskette.

diskette drive. The mechanism used to read and write information on diskettes.

display. A set of one or more screens and input devices that are driven by a single X Server.

display device. An output unit that gives a visual representation of data.

display screen. The part of the display device that displays information visually.

display station. A device that includes a keyboard from which an operator can send information to the system and a display screen on which an operator can see the information sent to or received from the computer.

distortion. An undesirable change in a data communications signal.

distributed file system. A file system whose files, directories and other components are stored on different sites in a particular cluster.

distributed operating system. An operating system in which multiple machines cooperate to seem like one machine.

distributed processing. Results when a user involves multiple cluster sites in a single operation; for example, by editing a remote file and starting a task on another cluster site using the on, fast, fastsite and migrate commands.

Distributed Services (DS). A licensed program that can allow for data

transparency when properly configured but does not allow for process transparency. It is used primarily to access files to and from other machines. Distributed Services can cross administration boundaries by mapping user IDs between different machines (it can communicate between TCF clusters, for example).

division. A collection of zero, one or more sections or paragraphs, called the division body, that are formed and combined in accordance with a specific set of rules. Each division consists of the division header and the related division body. There are four divisions in a COBOL program: Identification, Environment, Data and Procedure.

division header. A combination of words, followed by a separator period, that indicates the beginning of a division. The division headers in a COBOL program are:

IDENTIFICATION DIVISION.
ENVIRONMENT DIVISION.
DATA DIVISION.
PROCEDURE DIVISION.

DMA. Direct memory access.

DOS. Disk Operating System.

dotted decimal. A common notation for Internet host addresses, which divides the 32-bit address into four 8-bit fields. The value of each field is specified as a decimal number and the fields are separated by periods; for example, 010.002.000.052 or 10.2.0.52.

Double Byte Character Set (DBCS). A set of characters in which each character is represented by two bytes. Languages such as Japanese, Chinese and Korean, which contain more symbols than can be represented by 256 code points, require Double Byte Character Sets. Since each character requires two bytes, entering, displaying and printing DBCS characters requires hardware and supporting software which are DBCS capable.

drawable. A collective term for both windows and pixmaps when used as destinations in graphics operations. However, an InputOnly window cannot be used as a source or destination drawable in a graphics operation.

DTE. See data terminal equipment.

dumb terminal. See fixed-function work station.

dumb work station. See fixed-function work station.

dump. (1) To copy the contents of all or part of storage, usually to an output device. (2) Data that has been dumped.

dump diskette. A diskette that contains a dump or is prepared to receive a dump.

dump formatter. Program for analyzing a dump.

duplex. Pertains to communications data that can be sent and received at the same time. Synonymous with full duplex. Contrast with half duplex.

dynamic. A style of creating pop-ups menus.

dynamic access. An access mode in which specific logical records can be obtained from or placed into a mass storage file in a nonsequential manner and obtained from a file in a sequential manner during the scope of the same OPEN statement.

dynamically loaded executable module. An executable AIX VS COBOL module that loads its overlays or other procedures as needed.

+---+ | **E** | +---+

EBCDIC. See extended binary-coded decimal interchange code.

EBCDIC character. Any one of the symbols included in the 8-bit EBCDIC set.

echo. A reflected signal on a communications channel.

edit. To modify the form or format of data.

edit buffer. A temporary storage area used by an editor.

editing character. A single character or fixed two character combination
belonging to the following set:

Character Meaning

	space
0	zero
+	plus
-	minus
CR	credit
DB	debit
Z	zero suppress
	check protect

- \$ currency sign
- comma (decimal point)
- period (decimal point)
- / slant (virgule, slash)

editor. A program used to enter and modify programs, text and other types
of documents and data. Synonymous with text editing program.

effective ID. The ID, either group or user, that is used to run a process. It can be set by a program to either the real or saved ID.

effective root directory. The point where a system starts when searching for a file. Its path name begins with /(slash).

EGA. Enhanced Graphics Adapter.

element. One logical unit of a string of text, such as the description of a single data item or verb, preceded by a unique code identifying the element type. Synonymous with text element.

elementary item. A data item that is described as not being further logically subdivided.

emulation. Imitation; for example, when one computer imitates the characteristics of another computer.

enable. (1) To make a function or system able to perform. (2) A
processing unit is enabled when it allows certain types of interrupts.
(3) In interactive communications, to load and start a subsystem.

encode. To convert data by use of a code in such a manner that reconversion to the original form is possible.

encoding scheme. Method or algorithm used to encode data.

END OF FILE. The user-definable character used to indicate end-of-file.
By default, END OF FILE is set to be Ctrl-D.

end-of-file label. See trailer label.

End of Procedure Division. The physical position of a COBOL source program after which no further procedures appear.

end program header. A combination of words, followed by a separator
period, that indicates the end of a COBOL source program; for example,

END PROGRAM program-name.

enter. To type in information on a keyboard and send information to a computer by pressing the **Enter** key.

entry. (1) A single input operation on a work station. (2) Any descriptive set of consecutive clauses terminated by a separator period and written in the Identification Division, Environment Division or Data Division of a COBOL program.

enumerate. To return values from a network information service data base
in a specified order.

environment. The settings for shell variables and paths associated with
each process. These variables can be modified later by the user.

environment clause. A clause that appears as part of an Environment Division entry.

Environment Division. One of the four main component parts of a COBOL program. The Environment Division describes the computers upon which the source program is compiled and those on which the object program is executed, and provides a linkage between the logical concept of files and their records, and the physical aspects of the devices on which files are stored.

environment name. A name, specified by IBM, that identifies system logical units, printer and card punch control characters, report codes and/or program switches. Valid environment names for SAA COBOL are: SYSIN, SYSOUT, CONSOLE, C01, CSP and UPSI-0 through UPSI-7. When an environment name is associated with a mnemonic name in the Environment Division, the mnemonic name may then be substituted in any format in which such substitution is valid.

environment variable. (1) One of a set of shell variables that is
associated with each process and that defines (among other things) the
locale of the process. (2) A variable defined in the AIX shell that, if
exported, is global to all processes run under that shell.

EOT. End of transmission.

equivalence class. A grouping of characters (or character strings) that are considered equal for the purposes of collation; for example, many languages place an uppercase character in the same equivalence class as its lowercase form, but some languages distinguish between accented and unaccented character forms for the purpose of collation.

erase. To remove text from a diskette, leaving the diskette available for recording new text.

EREP. Environmental Recording Edit and Print program.

error-correct backspace. An editing key that performs editing based on a cursor position; the cursor is moved one position toward the beginning of the line, the character at the new cursor location is deleted, and all characters following the cursor are moved one position toward the beginning of the line (to fill the vacancy left by the deleted element).

error entry. A data structure containing a header of identifying information plus several bytes of defined data. Error entries are generated by error points and written to an error log file.

error ID. This is part of the data required by an error entry. It is a unique combination of three hexadecimal digits that identifies the component that generated the error entry. See also error identifier.

error identifier. A three-character code used to identify error templates and to specify which error entries the error formatter should process. This code is based on the error ID; however, it uses alphanumeric characters instead of hexadecimal digits. See also error ID.

error point. A group of code statements that generates an error entry
from within a software program. Error entries are generated when a
software or hardware component encounters an error.

error type. One of six categories of errors. The type of an error is determined by the software program that generates the error. When you format an error log, you can specify which types of errors you want to format.

escape character. A character that suppresses the special meaning of one or more characters that follow.

ESSL. Engineering and Scientific Subroutine Library.

Ethernet. A physical network medium through which computers in the same or different cluster can communicate and share files.

ETX (End of Text - 0x03). A communication grouping control character which is used to terminate a sequence of characters started with STX and transmitted as an entity.

EUC. Extended UNIX Code.

event. Information generated either asynchronously from a device or as the side-effect of a client request. Events are grouped into types and

are not sent to a client by the server unless the client has issued a specific request for information of that type. Events are usually reported relative to a window.

event class. A number assigned to a group of trace points that relate to a specific subject or system component. The defined event classes are listed in the trace profile.

event mask. The set of event types that a client requests relative to a
window.

event propagation. Device-related events propagate from the source window to ancestor windows until some client has expressed interest in handling that type of event or until the event is discarded explicitly.

event source. The smallest window containing the pointer is the source of a device-related event.

event synchronization. Allows synchronous processing of device events to avoid conflict when de-multiplexing device events to clients. Because mouse and keyboard events often occur almost simultaneously, event synchronization is important to window management operations.

evoke. To start a program or procedure so that it can communicate with your program.

exclusive locking. A type of data locking in which entire files are locked as soon as they are opened by a program.

execution time. See run-time.

execution time environment. See run-time environment.

exit value. (1) A code sent to either standard output or standard error on completion of the command. (2) A numeric value that a command returns to indicate whether it completed successfully. Some commands return exit values that give other information, such as whether a file exists. Shell programs can test exit values to control branching and looping.

explicit scope terminator. A reserved word which terminates the scope of a particular Procedure Division statement.

exponent. A number, indicating the power to which another number (the base) is to be raised. Positive exponents denote multiplication, negative exponents denote division, fractional exponents denote a root of a quantity. In COBOL, an exponential expression is indicated with the symbol ** followed by the exponent.

exposure event. An event sent to clients to inform them when contents have been lost, as when windows are obscured or reconfigured. Servers do not guarantee the preservation of window contents when they are obscured or reconfigured.

expression. A representation of a value; for example, variables and constants appearing alone or in combination with operators.

extend mode. The state of a file after execution of an OPEN statement, with the EXTEND phrase specified for that file, and before the execution of a CLOSE statement, without the REEL or UNIT phrase for that file.

extended binary-coded decimal interchange code (EBCDIC). A set of 256
eight-bit characters.

extended character. A graphic character other than a 7-bit ASCII character. An extended character can be a 1-byte code point with the 8th bit set (ordinal 128-255) or a 2-byte code point (ordinal 256 and greater).

extension. To extend the system, the named extensions can be defined for the Core protocol, including extensions to output requests, resources and event types.

External Data Representation (XDR). A data definition language used as a standard to the RPC routines for remote communications. The internal data representations of various machine types are represented in a uniform format so that networked machines can communicate regardless of their manufacturer or structure algorithm.

external decimal item. A format for representing numbers in which the digit is contained in bits 4 through 7 and the sign is contained in bits 0 through 3 of the rightmost byte. Bits 0 through 3 of all other bytes contain 1's (hex F); for example, the decimal value of +123 is represented as 1111 0001 1111 0010 1111 0011. Synonymous with zoned decimal item.

external file connector. A file connector that is accessible to one or more object programs in the run-unit.

+---+ | **F** | +---+

fake target name. A control name used in a **makefile** that looks like a target name, but actually tells the **make** command to perform some operation differently.

FBA. Fixed block architecture.

feature. A programming or hardware option, usually available at an extra cost.

FF (Form feed - Oc). A formatting control character that moves the active position to the starting margin on the first predetermined printing line on the next form or page.

field. (1) An area in a record or panel used to contain a particular category of data. (2) The smallest component of a record that can be referred to by a name. (3) An area in a structured file defined in the form used to enter and display data. Fields are defined using either text data paths or tree data paths. Synonymous with structured field. (4) An area in a presentation space where the program can accept operator input.

FIFO. See first-in-first-out.

figurative constant. A compiler generated value referenced through the use of certain reserved words.

file. A collection of related records that are treated as a unit, stored and retrieved by an assigned name.

file clause. A clause that appears as part of any of the following Data Division entries: file description entry (FD entry) and sort-merge file description entry (SD entry).

file code. See code page 850 and code page 932.

file connector. A storage area that contains information about a file and is used as the linkage between a file-name and a physical file and between a file-name and its associated record area.

File Control. The name of an Environment Division paragraph in which the data files for a given source program are declared.

 ${\tt file}$ conversion program. A program created by convert3 that will convert RM/COBOL type files to AIX VS COBOL type files.

file description entry. An entry in the File section of the Data Division that is composed of the level indicator FD, followed by a file name and then followed by a set of file clauses as required.

file descriptor. A small positive integer that the system uses instead of the file name to identify the file.

file index. 64 bytes of information describing a file. Information such as the type and size of the file, and the location on the physical device on which the data in the file is stored, is kept in the file index. This index is the same as the AIX Operating System inode.

file name. (1) The name used by a program to identify a file. See also label. (2) In DOS, that portion of the file name that precedes the extension. (3) A user-defined word that names a file connector described in a file description entry or a sort-merge file description entry within the FILE SECTION of the Data Division.

file organization. The permanent logical file structure established at the time that a file is created.

file position indicator. A conceptual entity that is used in the selection of the next record.

FILE SECTION. The section of the Data Division that contains file description entries and sort-merge file description entries together with their associated record descriptions.

file specification (filespec). The name and location of a file. In DOS, a file specification consists of a drive specifier, a path name and a file name.

file system. The collection of files and file management structures on a physical or logical mass storage device, such as a diskette or minidisk, and logically organized in a heirarchical fashion.

file tree. The complete directory and file structure of a particular node, starting at the root directory. A file tree contains all local and remote mounts performed on minidisks, directories and files.

files. An AIX kernel parameter establishing the maximum number of files that can be open simultaneously.

FILES window. A window that contains a list of the contents of the current directory (except when being used temporarily to display the output of a command).

filespec. See file specification.

filetab. An AIX kernel parameter establishing the maximum number of files that can be opened simultaneously.

filter. A command that reads standard input data, modifies the data and sends it to standard output.

filter programs. Programs designed to accept information from input, process the data and write the results to standard output.

first-in-first-out (FIFO). A named permanent pipe. A FIFO allows two unrelated processes to exchange information using a pipe connection.

first level interrupt handler (FLIH). A routine that receives control of the system as a result of a hardware interrupt. One FLIH is assigned to each of the six interrupt levels.

fixed box. (1) A geometry management technique. (2) A type of bounding box that has a fixed number of children created by the parent. These managed children do not make geometry manager requests.

fixed disk. A storage device made of one or more flat, circular non-removable plates with magnetic surfaces on which information can be stored.

fixed disk drive. The mechanism used to read and write information on fixed disk.

fixed-function terminal. See fixed-function work station.

fixed-function work station. A work station that is designed to perform a particular set of operations and that cannot be programmed to perform other functions. Synonymous with *dumb terminal*, *dumb work station* and *fixed-function terminal*. Contrast with **programmable work station**.

flag. A modifier that appears with the command name and that defines the action of the command. Flags in the AIX Operating System are almost always preceded by a dash (-).

flattened character. An ASCII character created by translating an extended character to the ASCII character most like it. The code point information is lost and the character cannot be retranslated to an extended character; for example, a $\bf c$ cedilla would be flattened to a plain $\bf c$.

FLIH. See first level interrupt handler.

floating point. In AIX PS/2 and AIX/370, a way of representing real numbers (that is, values with fractions or decimals) in 32 bits or 64 bits. Floating-point representation is useful to describe very small or very large numbers.

focus. To force all keyboard input to go to a specific window regardless of where the mouse cursor is.

focus window. A window that is highlighted regardless of where the mouse
cursor resides. Synonym for input focus.

font. (1) A family or assortment of characters of a given size and style.
(2) A set of glyphs, usually characters. The protocol does not translate
or interpret character sets. The client indicates values to be used to
access the glyph arrays. A font contains additional metric information to
determine inter-glyph and inter-line spacing.

foreground. A mode of program execution in which the shell waits for the program specified on the command line to complete before returning your prompt.

foreground process. A process which executes as soon as you type in the command line and completes before returning the system prompt to accept your next command. Contrast with background process.

foreign host. Any host on the network except the one at which a particular operator is working. Synonymous with remote host.

form. A predefined INed structured file with specially defined fields that allow you to view and edit special types of data.

format. (1) A defined arrangement of such things as characters, fields and lines, usually used for displays, printouts or files. (2) To arrange such things as characters, fields and lines.

formatted diskette. A diskette on which control information for a particular computer system has been written but which may or may not contain any data.

FORMS-2. A tool that can be used to interactively create and edit display screens for use in AIX VS COBOL programs.

FORTRAN. A programming language primarily used to express computer programs by arithmetic formulas and numeric computations.

free-block list. See free list.

free list. A list of available space on each file system. Synonymous with free-block list.

frozen event. To change the screen, clients can freeze event processing.

FTP. File transfer protocol.

full duplex. See duplex.

full install. A complete installation of AIX or other programs.

full path name. The name of any directory or file expressed as a string of directories and files beginning with the root directory.

function. In C language a function is treated as a data type that contains executable code and returns a single value to the calling routine. Synonym for procedure.

function keys. Keys that request actions but do not display or print characters. Included are the keys that normally produce a printed character but when used with the code key produce a function instead. Contrast with character key.

+---+ | G | +---+

ganged fields. Indexed fields in a form that are spatially adjacent and share another attribute specified in a form. See also indexed fields.

gateway. A functional unit that connects two computer networks.

GC. See graphics context.

GC caching. Allows independent change requests to be merged into one protocol request.

GContext. See graphics context.

generation. For some remote systems, the translation of configuration information into machine language.

geometry. The size of a widget is changed using geometry management routines. Synonymous with layout.

geometry specification. Command options that define the size and placement of windows on the screen.

GFS. See Global File System.

GID. See group ID number.

glob. Like echo, but no '\' escapes are recognized and words are delimited by null characters in the output. Useful for programs which wish to use the shell to explain a list of words. See also echo.

global. Pertains to information available to more than one program or subroutine.

global action. An action having general applicability, independent of the context established by any task.

global character. The special characters * and ? that can be used in a
file specification to match one or more characters; for example, placing a
? in a file specification means any character can be in that position.
See also pattern-matching character.

Global File System (GFS). The entire composite file system of the AIX cluster. It consists of the root file system of the primary site plus all the mounted file systems from secondary sites.

global file system (gfs) number. In AIX, every mounted file system is identified by the global file system number (gfs). In a normal file system, this number is hardcoded in the superblock of the physical device where that file system actually resides. In a remote NFS file system, however, there is no such hardcoding; an arbitrary assignment is made by the system administrator. The operating system distinguishes every file system from every other by its gfs number. Each mounted file system is assigned a particular machine to serve as its current synchronization site (CSS). If any file system should somehow be assigned two gfs numbers, it would be considered two different file systems by the operating system and might well be entrusted to two separate CSSs.

global search. The process of having the system look through a document for specific characters, words or groups of characters.

global symbol. A symbol defined in one program module but used in other independently assembled program modules.

global variable. A symbol defined in one program module but used in other independently assembled program modules.

glyph. An image, usually of a character, in a font.

GPS. See graphic primitive string.

grab. The act of selecting keyboard keys, the keyboard, pointer buttons, the pointer and the server for exclusive use by a client. In general,

these facilities are not intended to be used by normal applications, but are intended for various input and window managers to implement various styles of user interfaces. See also active grab, passive grab, button grabbing, pointer grabbing and key grabbing.

graphic character. A visual representation of a character, other than a control character, that is normally produced by writing, displaying, or printing.

graphic character set. A set of graphic characters, treated as an entity.

graphic primitive string (GPS). The format used for storing graphics file data. A GPS is composed of up to five types of graphical data: comments, lines, arcs, text and hardware.

graphics context (GC). The storage area for various kinds of graphics output, such as foreground pixel, background pixel, line width and clipping region. A graphics context can be used only with drawables that have the same root and the same depth as the graphics context. Synonymous with GC and GContext.

gravity. The contents of windows or subwindows have an attraction to a
location within the window. This determines how the window ID is resized.
See also bit gravity, widget gravity and window gravity.

gray scale. A type of degenerate pseudocolor where the red, green and blue values in any given colormap entry are equal, thus producing shades of gray. The gray values can be changed dynamically.

group ID number. A unique number assigned to a group of related users. The group ID number can often be substituted in commands that take a group name as an argument. Synonymous with **group number**.

group name. A name that uniquely identifies a group of users to the system.

group number. See group ID number.

group item. A data item that is composed of subordinate data items.

GSM. Global system mount.

+---+ | **H** | +---+

half duplex. Pertains to communications in which data can be sent in only

one direction at a time. Contrast with duplex.

handler. A software routine that controls a program's reaction to specific external events, such as an interrupt handler.

hard copy. A printed copy of machine output in a visually readable form; for example, printed reports, listings, documents and summaries.

hard link. See link.

hardware. The equipment, as opposed to the programs, of a computer system.

header. Constant text that is formatted to be in the top margin of one or more pages.

header file. A text file that contains declarations used by a group of functions or users.

header label. A special set of records on a diskette describing the contents of the diskette.

help. (1) A command or key, which when typed or pressed, initiates the Help facility. From this facility, the user can read instructive information. (2) Explanatory information that a program provides.

help pop-up. A pop-up produced by pointing to an object and pressing the Help key.

helper. A program used by the INed editor to provide extra functions for a particular type of data file.

here document. Data contained within a shell program or procedure.
Synonymous with inline input.

heterogeneous box. A geometry management technique where a type of bounding box can be resized and has a specific location where each child is placed. Instead of the location being defined by pixels, it is expressed in terms of the relationship between a child and the parent or between the child and other specific children. Usually a subclass of constraint class.

HEX. See hexadecimal.

hexadecimal. Pertaining to a system of numbers using base sixteen; hexadecimal digits range from 0 (zero) through 9 (nine) and A (ten)

through F (fifteen).

HFT. See High Function Terminal.

hidden file. A file that is not displayed by a directory listing.

hierarchical tree structure. The organization of files in AIX, similar to tree-structured directories, with each file like a small branch of a larger branch that represents the file's parent directory. A directory can also be contained in another higher level directory, with the parent of all directories represented by the tree's root (root or root directory).

High Function Terminal (HFT). An AIX Operating System device driver which implements a virtual terminal concept on the PS/2 display device. This device driver accepts input from one of the fifteen country keyboards and allows display of up to 517 character symbols.

high-order. Most significant; leftmost. For example, bit 0 in a register.

high order end. The leftmost character of a string of characters.

highlight. To emphasize an area on the display by any of several methods; for example, brightening the area or reversing the color of characters within the area.

history. A C-shell mechanism that lists previously executed commands.

history file. (1) A file containing a log of system actions and operator responses. (2) A file that displays all versions of a structured file.

hog factor. In system accounting, an analysis of how many times each command was run, how much processor time and memory it used and how intensive that use was.

hole. A block of binary zeros in a file.

hole in a file. See sparse file.

home directory. (1) The directory a user accesses when logged in. Synonymous with login directory. (2) A directory associated with an individual user. (3) Your current directory on login or after issuing the cd command with no argument.

home site. The computer that stores the modifiable copy of a user's home

directory. This is the cluster site with the primary copy of his home directory if it is replicated. A user typically logs in to the computer that is his home site.

homogeneous box. A geometry management technique where a type of bounding box treats all children equally and applies the same geometry constraints to each child.

hook ID. A unique number assigned to a specific trace point. All trace entries include the hook ID of the originating trace point in the trace entry header. Pre-defined trace points use assigned hook IDs ranging from 0 to 299. User-defined trace points can choose hook IDs ranging from 300 to 399.

hooking routines. Functions that connect with the library but remain outside the library; protocol extension procedures. Synonymn for stubs.

hop count. In the IBM Token-Ring Network, the number of bridges through
which a frame passes on the way to its destination.

host. (1) The primary or controlling computer in the communications
network. (2) A computer attached to a network hostnames is set up in
/etc/hosts.

host code. A mixture of single-byte and double-byte EBCDIC character strings that is used on networks to send data to system printers.

hotspot. The spot associated with a cursor that corresponds to the coordinates reported for the pointer.

 ${\tt HT}$ (Horizontal Tab - $0{\tt x09}$). A formatting control character that moves the active position horizontally to the next tab stop setting.

+---+ | I |

icode. Initialization code.

icon font. The font used in the icon window.

icon window. The window that is displayed when Hide/Show is used on an X-windows window.

ID. Identification.

IDAW. Indirect addressing word.

Identification Division. One of the four main component parts of a COBOL program. The Identification Division identifies the source program and the object program. The Identification Division may include the following documentation: author name, installation or date.

identifier. A unique value associated with a resource that a client program uses to name the resource. An identifier can be used over any connection to name the resource.

IEEE. Institute of Electrical and Electronics Engineers.

IF expressions. Expressions within a procedure used to test for a condition.

imperative statement. A statement that either begins with an imperative
verb and specifies an unconditional action to be taken or is a conditional
statement that is delimited by its explicit scope terminator (delimited
scope statement). An imperative statement may consist of a sequence of
imperative statements.

implementer-name. A system-name that refers to a particular feature available on the implementer's computing system.

implicit scope terminator. A separator period that terminates the scope
of any preceding unterminated statement or a phrase of a statement that,
by occurring, indicates the end of the scope of any statement contained
within the preceding phrase.

implicit segment. A segment created by your COBOL system to control the size of code segments.

index. (1) A table containing the key value and location of each record
in an indexed file. (2) A computer storage position or register whose
contents identify a particular element in a set of elements.

index data item. A data item in which the values associated with an index name can be stored in a form specified by the implementer.

index name. A user-defined word that names an index associated with a specific table.

index program. A program generated by the FORMS-2 package for creating
and maintaining an indexed sequential file.

indexed data-name. An identifier that is composed of a data-name,

followed by one or more index names enclosed in parentheses.

indexed fields. An area in a structured data file that contains tree data
paths. Symonymous with list fields.

indexed file. A file in which the key and the position of each record are recorded in a separate portion of the file called an index.

indexed organization. The permanent logical file structure in which each
record is identified by the value of one or more keys within that record.

indexed sequential file. A type of file organization implemented as a pair of files, with a key or index file that controls access to data records in the data file.

indicator area. The leftmost parameter position of a COBOL source record, that indicates the use of the record.

indirect block. A block containing pointers to other blocks. Indirect blocks can be single-indirect, double-indirect or triple-indirect.

INed. A full-screen editor that also features windows.

inferiors. All the subwindows nested below a window.

information line. A line at the bottom of the ANIMATOR screen that describes the current state of the program being animated.

informational message. A message, providing information to the operator,
that does not require a response.

inherit. A child's resources that are copied from its parent.

initial program load (IPL). The process of loading the system programs
and preparing the system to run jobs. See also initialize and bootstrap.

initialize. To set counters, switches, addresses or contents of storage
to zero or other starting values at the beginning of, or at prescribed
points in, the operation of a computer routine.

inline input. See here document.

inner border. The distance in pixels between the characters inside a
window and the border of the window.

inode. The internal structure for managing files in the system. Inodes contain all of the information pertaining to the node, type, owner and location of a file. A table of inodes is stored near the beginning of a file system.

inodetab. An AIX kernel parameter that establishes a table in memory for storing copies of inodes for all active files.

input. Data to be processed.

input device. Physical devices used to provide data to a computer.

input field. An area into which you can type in data.

input file. (1) A file opened in input mode. (2) A file opened by a program so that the program can read from that file.

input focus. (1) Where the main keyboard input goes. (2) A window defining the scope for processing keyboard input. By default, keyboard events are sent to the client using the window the pointer is in. It is also possible to attach the keyboard input to a specific window. Events are then sent to the appropriate client regardless of the pointer position. Synonymous with focus window.

input list. A list of variables to which values are assigned from input
data.

input manager. A client that controls keyboard input and is usually part
of a window manager.

input mode. (1) An open mode in which records can be read from a file.
(2) The state of a file after execution of an OPEN statement, with the
INPUT phrase specified, for that file and before the execution of a CLOSE
statement, without the REEL or UNIT phrase for that file.

input procedure. A set of statements, to which control is given during the execution of a SORT statement, for the purpose of controlling the release of specified records to be sorted.

input redirection. The specification of an input source other than the standard one.

input stream. The sequence of operation control statements and data given to the system from an input device.

InputOnly window. An invisible window that can be used to control such

things as cursors, input event generation and grabbing. This window cannot be used for graphics requests.

input/output (I/O). Pertaining to either input, output or both between a computer and a device.

input-output device number. A value assigned to a device driver by the guest operating system or to the virtual device by the virtual resource manager. This number uniquely identifies the device regardless of whether it is real or virtual.

input-output file. A file opened for input and output use.

INPUT-OUTPUT SECTION. The section of the Environment Division that names the files and the external media required by an object program and that provides information required for transmission and handling of data during execution of the object program.

InputOutput window. A kind of opaque window used for input and output. InputOutput windows can have both InputOutput and InputOnly windows as inferiors.

inquiry. (1) A request for information in storage. (2) A request that puts a display station into inquiry mode. (3) In data communications, a request for information from another system.

insert. The action which causes user string input to be inserted into an
existing string at a point specified by a data cursor.

insert mode. A form of keyboard operation that puts new text within
existing text. New text is inserted at the cursor position.

instance. See widget instance.

instruction. A statement that specifies an operation to be performed by the computer, along with the values or locations of operands, if any exist. This statement represents the programmer's request to the processor to perform a specific operation.

integer. A numeric literal or a numeric data item that does not include any digit positions to the right of the assumed decimal point. When the term integer appears in general formats, integer must not be a numeric data item, must not be signed, nor zero unless explicitly allowed by the rules of that format.

intelligent terminal. See programmable work station.

intelligent work station. See programmable work station.

interactive. Pertains to activity involving requests and replies; for example, between an operator and a program or between two programs.

interactive mode. A method for giving parameters to a module by responding to prompting from the module.

interactive processing. A processing method in which each system user
action causes a response from the program or the system. Contrast with
batch processing.

interface. A shared boundary between two or more entities. An interface
might be a hardware component to link two devices together, or it might be
a portion of storage or registers accessed by two or more computer
programs.

interleave factor. Specification of the ratio between contiguous physical
blocks (on a fixed disk) and logically contiguous blocks (as in a file).

intermediate code. Code that is in a format acceptable for running using
the cobrun command.

intermediate nodes. On the widget tree, widgets with one or more children.

internal data. The data described in a program, excluding all external
data items and external file connectors. Items described in the LINKAGE
SECTION of a program are treated as internal data.

internal decimal item. A format in which each byte in a field except the rightmost byte represents two numeric digits. The rightmost byte contains one digit and the sign; for example, the decimal value +123 is represented as 0001 0011 1111. Symnoymous with packed decimal item.

internal file connector. A file connector that is accessible only to one object program in a run-unit.

International Standards Organization (ISO). An international body that standardizes goods and services. For X-Windows, standards relating to character sets and fonts.

Internet Protocol (IP). The protocol that provides the interface from the higher level host-to-host protocols to the local network protocols.

Internet Protocol (IP) address. Each host has at least one 4-byte IP
address. The network part of the address is assigned by the Stanford

Research Institute - National Information Center (SRI-NIC).

InterProcess Communication (IPC). A communication path. See also client.

INTERRUPT. The user-definable character used to stop a process that is running in the foreground. By default, INTERRUPT is the Del key.

interrupt. (1) To temporarily stop a process. (2) In data communication,
to take an action at a receiving station that causes the sending station
to end a transmission. (3) A signal sent by an I/O device to the
processor when an error has occurred or when assistance is needed to
complete I/O. An interrupt usually suspends execution of the currently
executing program.

interrupt character. A key sequence typed in to cancel a foreground
process.

Intrinsics. A set of management mechanisms that provides for constructing and interfacing between composite widgets, their children and other clients. Also, provides the ability to organize a collection of widgets into an application.

i-number. A number specifying a particular inode on a file system.

invalid key condition. A condition, at object time, caused when a specific value of the key associated with an indexed or relative file is determined to be invalid.

I/O. See input/output.

I-O CONTROL. The name of an Environment Division paragraph in which object program requirements for rerun points, sharing of same areas by several data files and multiple file storage on a single input-output device are specified.

I-O mode. The state of a file after execution of an OPEN statement, with the I-O phrase specified, for that file and before the execution of a CLOSE statement with the REEL or UNIT phrase for that file. Synonym for input/output.

IODN. Input/output device number.

iov. Input/output/vector.

IP. See Internet Protocol.

IP address. See Internet Protocol (IP) address.

IPC. See Interprocess communication.

IPL. See initial program load.

ISAM. Indexed Sequential Access Method.

ISO. See International Standards Organization.

ISO Latin-1. Synonym for ISO 8859-1.

ISO 8859-1. A single-byte code representing the ASCII control and graphic characters and 96 extended characters for Latin languages. Synonymous with *ISO Latin-1*.

item. The data in one line of an indexed field.

iteration structure. A program processing logic in which a series of statements is repeated while a condition is true or until a condition is true.

+---+ | J | +---+

Japanese Industry Standard (JIS). A standard of coding character sets.

JES. Job entry subsystem.

JIS. See Japanese Industry Standard.

job. (1) A unit of work to be done by a system. (2) One or more related procedures or programs grouped into a procedure.

job control. A feature that lets the system accept your commands to stop
and start processes (jobs) and move them between the background and
foreground. The commands ps and jobs report the status of jobs (each of
which is assigned a Process Identification Number or PID to show its
process status), and the kill command can be used to stop them.

job number. A number assigned to a background process when it is started.
The job number is displayed when the process is started and when the jobs
command is invoked. It can also be used to stop the process.

job queue. A list, on disk, of jobs waiting to be processed by the system.

jump scroll. Moving a multiple number of lines at once when many lines are queued for the display.

justify. To print a document with even right and left margins.

+---+ | **K** | +---+

K. See kilobyte.

kbuffers. An AIX kernel parameter establishing the number of buffers that can be used by the kernel.

K-byte (Kb). See kilobyte.

kernel. The part of an operating system that contains programs that control how the computer does its work, such as input/output, management and control of hardware and the scheduling of user tasks. The memory-resident nucleus of the AIX Operating System containing functions needed immediately and frequently.

kernel parameters. Variables that specify how the kernel allocates certain system resources. Synonymous with system parameters.

key. (1) A unique identifier (of type **key_t**) that names the particular interprocess communications member. (2) A data item that identifies the location of a record, or a set of data items which serve to identify the ordering of data.

key grabbing. Keys on the keyboard can be passively grabbed by a client, or the keyboard can be actively grabbed by the client when a key is pressed.

key of reference. The key, either prime or alternate, currently being used to access records within an indexed file.

key pad. A physical grouping of keys on a keyboard; for example, the numeric key pad and cursor key pad.

keybef. A utility for setting up the cobkeymp database.

keyboard. An input device consisting of various keys allowing the user to input data, control cursor and pointer locations and control the dialog between the user and a display station.

keyboard grabbing. A client can actively grab control of the keyboard and key events will be sent to that client rather than the client to which the events would normally have been sent.

keycomp. An abbreviation for keymap compiler. The keymap compiler produces a binary keymap file from a textual description of the keyboard.

keylock feature. A security feature in which a lock and key can be used to restrict the use of a display station.

keysym. (1) The logical engraving on a key. (2) An encoding of a symbol on a keycap on a keyboard.

keyword. One of the predefined words of a programming language. Synonym for reserved word.

keyword argument. One type of variable assignment that can be made on the command line.

kill. An AIX Operating System command that stops a process.

kill character. The character that is used to delete a line of characters
entered after the user's prompt.

kilobyte. 1024 bytes.

kprocs. An AIX kernel parameter establishing the maximum number of processes that the kernel can run simultaneously.

+---+ | **L** | +---+

label. (1) The name in the disk or diskette volume table of contents that identifies a file. See also **file name**. (2) The field of an instruction that assigns a symbolic name to the location at which the instruction begins, or such a symbolic name.

LAN. See local area network.

language name. A system name that specifies a particular programming language.

LARP. Locus Address Resolution Protocol.

layout. See geometry.

1db. Linstal data base.

leaves. On a widget tree, widgets with no children.

left-adjust. The process of aligning lines of text at the left margin or at a tab setting such that the leftmost character in the line or file is in the leftmost position. Synonymous with left-justify. Contrast with right-adjust.

left justify. See left-adjust.

left margin. The area on a page between the left paper edge and the leftmost character position on the page.

level indicator. Two alphabetic characters that identify a specific type of file or a position in a hierarchy. The level indicators in the Data Division are: CD, FD and SD.

level number. A user-defined word, expressed as a two-digit number, which indicates the hierarchical position of data item or the special properties of a data description entry. Level numbers in the range from 1 through 49 indicate the position of a data item in the hierarchical structure of a logical record. Level numbers in the range 1 through 9 may be written either as a single digit or as a zero followed by a significant digit. Level numbers 66, 77 and 88 identify special properties of a data description entry.

lexical analyzer. A program that analyzes input and breaks it into categories, such as numbers, letters or operators.

library. A collection of functions, calls, subroutines or other data.

library name. A user-defined word that names a COBOL library that is to be used by the compiler for a given source program compilation.

library subroutine. A common function or macro that is part of the C library.

library text. A sequence of text words, comment lines, the separator
space or the separator pseudo-text delimiter in a COBOL library.

licensed program product (LPP). Software programs that remain the property of the manufacturer and for which customers pay a license fee.

line editor. An editor that modifies the contents of a file one line at a time.

line feed character. An ASCII character that causes an output device to move forward one line.

line-sequential file organization. A type of sequential file containing variable-length records in the format of text files produced by the host operating system.

line-sequential files. Files that consist of a series of variable-length records, each of which is terminated by the character hex OA.

link. (1) A link connection is the physical medium of transmission; for example, a telephone wire or a microwave beam. A link includes the physical medium of transmission, the protocol and associated devices and programming; it is both logical and physical. (2) A connection between an inode and one or more file names associated with it. Synonymous with UNIX link or hard link.

link-attached. See remote.

LINKAGE SECTION. The section in the Data Division of the called program that describes data items available from the calling program. These data items may be referred to by both the calling and called program.

linker. A program that takes unlinked a.out format files and resolves all external references to produce an executable module

list fields. See indexed fields.

literal. (1) A symbol or a quantity in a source program that is itself data, rather than a reference to data. In programming, a literal is an unchanging item written into the program (such as a message that will be displayed on the screen). Literals are translated into machine language without conversion. (2) A character string whose value is implied by the ordered set of characters comprising the string. (3) A group of characters enclosed in quotation marks.

load. (1) To move data or programs into storage. (2) To place a diskette
into a diskette drive or a magazine into a diskette magazine drive.
(3) To insert paper into a printer.

loader. A program that reads run files into main storage, thus preparing

them for execution.

local. Pertaining to a device directly connected to your system without the use of a communication line. Contrast with remote.

<LOCAL> alias. The <LOCAL> alias can translate into different strings on
different cluster sites for different processes. When <LOCAL> is the
first component of the destination name for a symbolic link, it is
replaced with its alias string, normally /machinename.

local area network (LAN). (1) A network in which communications are limited to a moderate-sized geographic area (1 to 10 km) such as a single office building, warehouse or campus. A local network depends upon a communications medium capable of moderate to high data rate and normally operates with a consistently low error rate. (2) A physical medium that allows computers in the same or different clusters to communicate and share files. Ethernet and Token-Ring are two examples of a LAN.

<LOCAL> file system. The part of the root file system hierarchy
comprising system directories and files (such as the /etc/motd "message of
the day" file) defined uniquely on a particular computer in the cluster.
These files are not replicated. The name of the <LOCAL> file system
appears in response to the site-1 command.

local host. The host on the network at which a particular operator is
working. Synonymous with current host.

local cluster site. The site on a cluster that the user is logged in to.
The term local normally refers to a TCF cluster site.

locale. A set of environment variables that determines the language for keyboard input and display/printer output, the character sets for data in files and on networks, the message catalog, the collating sequence, and the time, date, monetary, and numeric conventions. Each site, user, and program operates within a specified locale, which can be changed by resetting the environment variables.

location transparency. Allows an object to change location without the user's or program's knowledge if that location is not part of the object's name.

log. To record; for example, to log all messages on the system printer. A list of this type is called a log, such as an error log.

 \log in. To begin a session at a display station. Synonymous with \log on, \log in and \log on.

log in shell. The program, or command interpreter, started for a user at
log in.

log off. See log out.

log on. See log in.

log out. To end a session at a display station. Synonymous with log off, logoff and logout.

logical device. A file for conducting input or output with a physical
device.

logical operator. One of the reserved words, AND, OR or NOT. In the formation of a condition, either AND or OR, or both can be used as logical connectives. NOT can be used for logical negation.

logical record. The most inclusive data item. The level number for a record is 01. A record may be either an elementary item or a group of items. Synonymous with record.

login. See log in.

login directory. See home directory.

login ID. The ID set by the system for a user after log in, but before running any programs.

login user ID. The ID the user uses to log in. The system uses this ID
to trace all user actions to their source.

logoff. See log out.

logon. See log in.

logout. See log out.

loop. A sequence of instructions performed repeatedly until an ending condition is reached.

low-order. Least significant; rightmost. For example, in a 32 bit register (0-31), bit 31 is the low-order bit.

low order end. The rightmost character of a string of characters.

lowercase character. Those graphic characters of a primary set which can be entered from a keyboard without the use of any shift key (including the small letters).

LP. See licensed program product (LPP).

LPAR. Logically partitioned.

LPP. See licensed program product (LPP).

lun. Logical unit number.

+---+ | **M** | +---+

macro. A set of statements defining the name of, format of and conditions for generating a sequence of assembler statements from a single source statement.

magic number. A constant located at a predefined offset in a file, used to verify the format of the file. Magic numbers are chosen because they are unlikely to occur as a random pattern in normal output.

mail. Messages sent to a user or copies of messages sent by a user that are stored in a mailbox.

mailbox. (1) An area designated for storage of mail messages directed to a specific system user. (2) A structured file that the system uses to store mail. This file must have a valid file name that ends with the extension of .mbx.

main program. (1) The first program unit to receive control when a
program is run. (2) A primary or control program. See also program.

main storage. The part of the processing unit from which programs are run.

maintenance system. A special version of the AIX Operating System which is loaded from diskette and used to perform system management tasks.

major device number. A system identification number for each device or type of device.

managed children. Children whose managed field is True can have their layout (geometry) changed so that they can be repositioned and resized.

managed window. See managed children.

manual locking. A type of data locking in which a single record or multiple records are locked by issuing statements that explicitly lock them.

mapped. A window is said to be mapped if a map call has been performed on it. Contrast with an unmapped window and its inferiors, which are neither viewable nor visible.

mapped file. A file that can be accessed using direct memory operations, rather than having to read it from disk each time it is accessed.

mapping. A window on which a map call has been performed. Contrast with an unmapped window, which can be neither viewable nor visible.

mask. A pattern of characters that controls the keeping, deleting or testing of portions of another pattern of characters.

mass storage device. A device having a large storage capacity; for example, a magnetic disk or magnetic drum.

matrix. An array arranged in rows and columns.

maxproc. An AIX kernel parameter establishing the maximum number of processes that can be run simultaneously by a user.

MB. See megabyte.

Mb. See megabyte.

MBCS. See Multibyte Character Set.

M-byte (Mb). See megabyte.

mbuf. Memory buffer.

MCS. See Message Control System.

MDR. Miscellaneous data record.

media. See medium.

medium. The material in or on which data may be represented; for example, twisted pairs, coaxial cables and optical fibers.

megabyte (MB). 1,048,576 bytes.

memory. (1) Storage on electronic chips. Examples of memory are random access memory, read-only memory or registers. Contrast with storage.(2) Program-addressable storage from which instructions and other data can be loaded directly into registers for subsequent execution or processing.

memory areas. Arrays of characters in memory.

menu. A displayed list of items from which an operator can make a selection.

merge file. A collection of records to be merged by a MERGE statement. The merge file is created and can be used only by the merge function.

message. (1) A response from the system to inform the user of a condition which may affect further processing of a current program and may require a user response. (2) An error indication or any brief information that a program writes to standard error or a queue. (3) Information sent from one user in a multi-user operating system to another. (4) A general method of communication between two processes. See also message indicators.

message catalog. A file of messages in which each message has a number and related messages are grouped into sets. AIX supplies different system message catalogs for different locales.

Message Control System (MCS). (1) The interface between an AIX VS COBOL program and the consoles it controls. (2) A communication control system that supports the processing of messages to and from terminal devices.

message count. The count of the number of complete messages that exist in the designated queue of messages.

message indicators. End-of-group indicator (EGI), end-of-message indicator (EMI) and end-of-segment indicator (ESI) are conceptual indications that serve to notify the MCS that a specific condition exists (end-of-group, end-of-message, end-of-segment).

Within the hierarchy of EGI, EMI and ESI, an EGI is conceptually equivalent to an ESI, EMI and EGI. An EMI is conceptually equivalent to an ESI and EMI. Thus, a segment may be terminated by an ESI, EMI or EGI. A message may be terminated by an EMI or EGI.

message pop-up. A pop-up caused by an activity associated with another pane.

message queue ID (msqid). An identifier assigned to a message queue for use within a particular process. It is similar in use to a file descriptor of a file.

 ${\tt message}$ ${\tt segment}.$ Data that forms a logical subdivision of a message normally associated with an end-of-segment indicator. See also ${\tt message}$ ${\tt indicators}.$

message services. A set of routines to help create, update and display messages from a program.

method. The functions or procedures that a widget itself implements.

MHGPS. Multi high-performance guest support.

minidisk. (1) In AIX, a logical division of a fixed disk that may be further subdivided into one or more partitions. See also partition and page space. (2) In VM, a logical subdivision of a VM minidisk that has its own virtual device address.

minor device number. A number used to specify various types of information about a particular device; for example, to distinguish among several printers of the same type.

MINSVRPROC. A minimum number of server processes.

mkfs. Make file system.

mnemonic name. A user-defined word that is associated in the Environment Division with a specified implementer name.

modal pop-up. A window that normally is not visible to the window manager and available only after the manager is turned off. This pop-up disables user-event processing except for events that occur in the dialog box.

modaless pop-up. A window that is normally visible and is controlled by the window manager.

mode word. An inode field that describes the type and state of the inode.

modem. A device that converts data from the computer to a signal that can be transmitted to a communications line and converts the signal received to data for the computer. Synonymous with modulator-demodulator.

modifier keys. Keys such as Shift, ShiftLock, Control, Alt, CapsLock and
Meta.

modulation. Changing the frequency or size of one signal by using the frequency or size of another signal.

modulator-demodulator. See modem.

module. A discrete programming unit that usually performs a specific task or set of tasks. Modules are subroutines and calling programs that are assembled separately, then linked to make a complete program.

monitor mode. A console display mode in which an application program can directly access the display adapter without conflict with the standard virtual terminal output mechanism.

monochrome. A special case of static gray in which there are only two colormap entries.

mount. To make accessible to a file system or file tree. AIX allows local file and directory mounts.

mount point. Any directory which has a file system mounted to it.

mountab. An AIX kernel parameter establishing the maximum number of file systems that can be mounted simultaneously.

mouse. A device that allows you to select objects and scroll the display screen by means of buttons.

msqid. See message queue ID.

Multibyte Character Set (MBCS). MBCS is a system of encoding characters in computer data. It allows the set of represented data to be large enough to accommodate the Japanese language character sets. The MBCS system handles character sets which range in encoding size from one to four bytes.

multibyte code. See code page 850 and code page 932.

Multiple Virtual Storage/Extended Architecture (MVS/XA). An IBM operating system that manages multiple virtual address spaces in IBM processors operating in extended architecture mode. MVS/XA supports the 31 bit addressing mechanism of extended architecture mode and, thus, can manage an address space as large as 2 billion (that is, 2x109) bytes.

multiplex. To interleave or simultaneously transmit two or more messages on a single channel.

multipoint. In data communications, a network that allows two or more stations to communicate with a single system on one line.

multiprogramming. The processing of two or more programs at the same time on the same logical system.

multi-user environment. A computer system that provides terminals and keyboards for more than one user at the same time.

multi-volume file. A diskette file occupying more than one diskette.

MVS. Multiple Virtual Storage.

MVS/XA. See Multiple Virtual Storage/Extended Architecture (MVS/XA).

+---+

name. A word composed of not more than 30 characters that defines a COBOL operand.

namelen. Name length.

National Language Support (NLS). National Language character support is provided for 8-bit ASCII. It provides National Language Character Set support for IBM console displays, selected World Trade ASCII terminals, and IBM printers with National Language capability.

native character set. The implementer-defined character set associated
with the computer specified in the OBJECT-COMPUTER paragraph.

native code. Code that is in a form that can be executed directly on the PS/2 hardware (AIX a.out format).

Native Code Generator. The pass of the COBOL compiler that takes an input intermediate code file and generates an AIX a.out format file.

native collating sequence. The implementer-defined collating sequence associated with the computer specified in the OBJECT-COMPUTER paragraph.

negated combined condition. The NOT logical operator immediately followed by a parenthesized combined condition.

negated simple condition. The NOT logical operator immediately followed by a simple condition.

negative response. In data communications, a reply indicating that data was not received correctly or that a command was incorrect or unacceptable.

nest. To incorporate a structure or structures of some kind into a
structure of the same kind; for example, to nest one loop (the nested
loop) within another loop (the nesting loop); to nest one subroutine (the
nested subroutine) within another subroutine (the nesting subroutine).

network. (1) A collection of computers that can communicate with each other. A network can consist of several interconnected computers or one computer with a number of remote terminals connected to it. Any of a variety of communication media can be used, such as RS-232, Ethernet, Token-Ring or PC Net. (2) A collection of data-processing products connected by communication lines for information exchange between locations.

network adapter. Circuitry that allows devices using a directly attached network to communicate with the system.

Network File System (NFS). A licensed program that allows you to share files with other computers in one or more networks that have a variety of machine types and operating systems. You can mount file systems located on network servers and use remote files as if they were on your work stations by creating file trees that are independent of the file systems.

Network Information Services (NIS). A network service that utilizes a centralized data base system to administer system information, such as passwords and machine names.

next executable sentence. The next sentence to which control will be transferred after execution of the current statement is complete.

next executable statement. The next statement to which control will be transferred after execution of the current statement is complete.

next record. The record that logically follows the current record of a
file.

new-line character. A control character that causes the print or display position to move to the first position on the next line.

NFS. See Network File System.

NIS. See Network Information Services.

NJE. Network job entry.

NLS. See National Language Support.

nmi. Non-maskable interrupt.

node. (1) An individual system connected to a network. (2) An individual element of a full path name. Nodes are separated by slashes (/).

NODEV. No device.

noncontiguous items. Elementary data items, in the Working Storage and LINKAGE SECTIONS, that bear no hierarchic relationship to other data items.

non-escaping key. On a typewriter and in word processing, a key that allows a character to be typed without the input position being changed.

non-interactive. A program or device that provides no interaction with
the operator at execution time.

nonnumeric item. A data item whose description permits its content to be composed of any combination of characters taken from the computer's character set. Certain categories of nonnumeric items may be formed from more restricted character sets.

nonnumeric literal. A literal bounded by quotation marks. The string of characters may include any character in the computer's character set.

nonspacing character sequence. A two-key sequence consisting of one diacritic followed by an alphabetic character.

nonswitched line. A connection between computers or devices that does not have to be established by dialing.

NUL (Null - 0x00). A synchronization control character, with an all-zeros bit pattern, which may serve to accomplish time and media fill.

null. Having no value; containing nothing.

null character (NUL). The character hex 00, used to represent the absence
of a printed or displayed character.

null character string. Two consecutive single quotation marks that specify a character constant of no characters.

numeric. Pertaining to any of the digits 0 through 9.

numeric-edited item. A numeric item that is in such a form that it may be used in printed output. It may consist of external decimal digits from 0 through 9, the decimal point, commas, the dollar sign, editing sign control symbols and other editing symbols.

numeric editing. A COBOL data field description for representing numeric data that contains a decimal point.

numeric item. A data item whose description restricts its content to a value represented by characters chosen from the digits from 0 through 9; if signed, the item may also contain a +, - or other representation of an operational sign.

numeric literal. A literal composed of one or more numeric characters that also contain either a decimal point, an algebraic sign or both. The decimal point must not be the rightmost character. The algebraic sign, if present, must be the leftmost character.

NVRAM. Non-volatile random access memory.

+---+ | 0 | +---+

object. A software abstraction consisting of private data and private and public routines that operate on the private data. Users of the abstraction can interact with the object only through calls to the public routines of the objects.

object code. Machine-executable instructions, usually generated by a compiler from source code written in a higher level language. It consists of directly executable machine code. For programs that must be linked, object code consists of relocatable machine code.

OBJECT-COMPUTER. The name of an Environment Division paragraph in which the computer environment, within which the object program is executed, is described.

object of entry. A set of operands and reserved words, within a Data

Division entry of a COBOL program, that immediately follows the subject of the entry.

object program. A set or group of executable machine language instructions and other material designed to interact with data to provide problem solutions. In this context, an object program is generally the machine language result of the operation of a COBOL compiler on a source program. Where there is no danger of ambiguity, the word program alone may be used in place of the phrase object program.

object time. See run-time.

obr. Outboard recorder.

obscure. (1) A state of being for a window. A window is obscured if another window is in front of it making the obscured window only partially viewable. Window B is obscured by window A if both are viewable InputOutput windows and A is higher in the global stacking order and the rectangle defined by the outside edges of A intersects the rectangle defined by the outside edges of B. (2) An action one window does to another when it partially obstructs the viewing of the other. Window A obscures window B if both are viewable InputOutput windows, A is higher in the global stacking order, and the rectangle defined by the outside edges of A intersects the rectangle defined by the outside edges of B.

obsolete element. A COBOL language element in standard COBOL that is to be deleted from the next revision of standard COBOL.

occlude. (1) A state of being for a window. A window is occluded if the view of it is completely obstructed by another window. Window B is occluded by window A if both are mapped, A is higher in the global stacking order, and if no part of B's border is viewable. (2) An action one window does to another when it completely obstructs the view of the other.

oco. Object code only.

octal. A base eight numbering system.

OIA. Operator information area.

online. Being controlled directly by or communicating directly with the computer or both.

open. To make a file available to a program for processing.

open mode. The state of a file after execution of an OPEN statement for that file and before the execution of a CLOSE statement without the REEL

or UNIT phrase for that file. The particular open mode is specified in the OPEN statement as either INPUT, OUTPUT, I-O or EXTEND.

operand. (1) That component which is operated upon. (2) Any lowercase word (or words) that appears in a statement or entry format may be considered to be an operand and, as such, is an implied reference to the data indicated by the operand.

operating system. (1) Software that controls the running of programs; in addition, an operating system may provide services such as resource allocation, scheduling, input/output control and data management. (2) The programs and procedures designed to cause a computer to function, enabling the user to interact with the system.

Operating System/2 (OS/2). A multitasking operating system for the IBM Personal Computer family that allows you to run both DOS mode and OS/2 mode programs.

operation. A specific action (such as move, add, multiply, load) that the computer performs when requested.

operational sign. An algebraic sign, associated with a numeric data item or a numeric literal, to indicate whether its value is positive or negative.

operator. (1) A person who operates a device. (2) A symbol representing an operation to be done.

option. See optional parameter.

optional parameter. An unrequired value supplied to a program or file that either is used as input or that controls the action to be taken. Synonymous with option.

optional word. A reserved word that is included in a specific format only to improve the readability of the language and whose presence is optional to the user when the format in which the word appears is used in a source program.

OS/2 (Operating System/2). See Operating System/2 (OS/2).

OSM. Operating system message.

output. The result of processing data.

output devices. Physical devices used by a computer to present data to a user.

output field. A screen item whose description contains a FROM phrase.

output file. (1) A file that is opened by a program so that the program can write to that file. (2) A file that is opened in either output mode or extend mode.

output mode. The state of a file after execution of an OPEN statement, with the OUTPUT or EXTEND phrase specified, for that file and before the execution of a CLOSE statement without the REEL or UNIT phrase for that file.

output procedure. A set of statements to which control is given during execution of a SORT statement after the sort function is completed, or during execution of a MERGE statement after the merge function reaches a point at which it can select the next record in merged order when requested.

output redirection. The specification of an output destination other than
the standard one.

output stream. Messages and other output data, displayed on output devices by an operating system or a processing program.

overflow condition. A condition that occurs when part of the output of an operation exceeds the capacity of the intended storage unit.

override. (1) A parameter or value that replaces a previous parameter or value. (2) To replace a parameter or value.

overwrite. To write output into a storage or file space that is already occupied by data.

overwrite mode. A form of system operation that puts characters typed from the keyboard in place of existing characters.

owner. A user or group of users having the highest level of access authority to a data object or action, as defined by the object or action.

+---+ | P | +---+

packed decimal item. See internal decimal item.

packet. The data of one transaction between a host and its network. A

packet usually contains a network header, followed by one or more headers used by high level protocols, followed by data blocks.

pad. To fill unused positions in a field with dummy data, usually zeros
or blanks.

padding. Bytes inserted in the data stream to maintain alignment of the protocol requests on natural boundaries. Padding increases the ease of portability to some machine architectures.

page. (1) A block of instructions, data or both. (2) The number of lines that can fit into a window. (3) The number of lines in the scrolling region minus the page overlap. (4) A vertical division of output data representing a physical separation of such data, the separation being based on internal logical requirements and/or external characteristics of the output medium.

page body. That part of the logical page in which lines can be written and/or spaced.

page space. The area on a fixed disk that temporarily stores instructions or data currently being run. Synonymous with page space minidisk. See also minidisk.

page space minidisk. See page space.

pagination. The process of adjusting text to fit within margins and/or page boundaries.

paging. The action of transferring instructions, data or both between real storage and external page storage.

paging space. An area on disk that the system uses to store information that is resident in virtual memory, but is not currently being accessed.

paint. In computer graphics, to shade an area of a display image.

pane. (1) An area of the display that shows all or a part of the data contained in a presentation space associated with that pane. A pane is a subdivision of a panel. (2) On a display screen, the inner portion of a window used to present information to the user. A window may consist of one or more panes.

panel. A rectangular area on the display consisting of one or more panes that a program can treat as a unit.

PANIC. An error message generated by the kernel indicating that an error

has occurred which is sufficiently severe to prohibit kernel recovery.

paragraph. (1) Text that is separated from other text by blank lines.
(2) In the Procedure Division, a paragraph name followed by a separator
period and by zero, one or more sentences. In the Identification and
Environment Divisions, a paragraph header followed by zero, one or more
entries.

paragraph header. A reserved word, followed by the separator period, that indicates the beginning of a paragraph in the Identification and Environment Divisions. The permissible paragraph headers in the Identification Division are:

PROGRAM-ID.
AUTHOR.
INSTALLATION.
DATE-WRITTEN.
DATE-COMPILED.
SECURITY.

The permissible paragraph headers in the Environment Division are:

SOURCE-COMPUTER.
OBJECT-COMPUTER.
SPECIAL-NAMES.
FILE-CONTROL.
I-O-CONTROL.

paragraph name. A user-defined word that identifies and begins a paragraph in the Procedure Division.

parallel processing. The condition in which multiple tasks are being performed simultaneously within the same activity.

parameter. (1) A variable that is given a constant value for a specified application. (2) Information that the user supplies to a panel, command or function that either is used as input or that controls the action to be taken. (3) Parameters are used to pass data values between calling and called programs.

<code>parent.</code> (1) Pertaining to a secured resource, either a file or library, whose user list is shared with one or more other files or libraries. Contrast with child. (2) Pertaining to a process that has forked to create one or more child processes.

parent directory. The directory one level above the current directory.

parent window. The window that controls the size and location of its children. If a window has children, it is a parent window.

parser. A program that analyzes input and determines what to do with the

input.

partition. A logical division of a fixed disk. See also minidisk.

Pascal. A high-level, general purpose programming language, related to ALGOL. Programs written in Pascal are block structured and consist of independent routines. They can run on different computers with little or no modification.

passive grab. Grabbing a key or button is a passive grab. The grab becomes an active grab when the key or button is actually pressed.

Pass-Through Virtual Machine (PVM). A VM program which allows the user to open a computing session on a different machine. It allows the user to "pass through" from one virtual machine to another.

password. A string of characters that, when entered along with a user identification, allows an operator to log on to the system.

password security. A program product option that helps prevent the unauthorized use of a display station by checking the password entered by each operator at log on.

path. In a network, any route between any two nodes.

path name. (1) A complete file name specifying all directories leading to that file. See also full path name and relative path name. (2) The sequential list of directory name(s) that identify the location of a particular directory, and directory name(s) and file name that identify the location of a particular file in the file hierarchy. The path name is displayed in response to the pwd (print working directory) command. Each file has a full path name, beginning with / (the root directory) and ending with the file's name. The file's relative path name does not begin with /.

Path pane. The part of a FILES window that describes the current directory.

pattern-matching character. Special characters such as * or ? that can be used in search patterns. They are sometimes used in a file specification to match one or more characters; for example, placing a ? in a file specification means any character can be in that position. Synonymous with wildcard.

PC. Personal computer.

PCI. Personal computer interface.

pending. Waiting; for example, an operation is pending.

permission code. A three-digit octal code, or a nine-letter alphabetic code, indicating the access permissions of a file. The access permissions are read, write, and execute.

permission field. One of the three-character fields within the permissions column of a directory listing indicating the read, write and run permissions for the file or directory owner, group and all others.

phase. One of several stages of file system checking and repair performed
by the fsck command.

phrase. A phrase is an ordered set of one or more consecutive COBOL character strings that form a portion of a COBOL procedural statement or of a COBOL clause.

physical device. See device.

physical file. An indexed file containing data for which one or more alternative indexes have been created.

physical layer. The lowest layer of network design as specified by the ISO Open System Interconnection (OSI) reference model. This layer is responsible for interfacing with the medium, detecting and generating signals on the medium, and converting and processing signals received from the medium and from the data link layer. Synonymous with physical level.

physical level. See physical layer.

physical record. A unit of data moved into or out of the computer.
Synonym for block.

physio. Physical I/O.

PID. See process ID.

pipe. To direct data so that the output from one process becomes the input to another process.

pipeline. A direct, one-way connection between two or more processes.

pitch. A unit of width of typewriter type, based on the number of times a letter can be set in a linear inch; for example, 10-pitch type has 10 characters per inch.

pixel value. The number of bit planes used in a particular window or pixmap. For a window, a pixel value indexes a colormap and derives an actual color to be displayed. A pixel is an N-bit value, where N is the number of bit planes (the depth) used in a particular window or pixmap.

pixmap. A three-dimensional array of bits. A pixmap can be thought of as a two-dimensional array of pixels, with each pixel being a value from zero to 2(N-1), with N as the depth (Z-axis) of the pixmap.

plane. When a pixmap or window is thought of as a stack of bitmaps, each bitmap is called a plane or bit plane.

plane mask. A bit mask restricting graphics operations to affect a subset of bit planes. It is stored in a graphics context. Graphics operations can be restricted to affect only a subset of bit planes of a destination.

platen. The support mechanism for paper on a printer, commonly cylindrical, against which printing mechanisms strike to produce an impression.

PMA. Preferred machine assist.

pointer. (1) A logical connection between physical blocks. (2) A link to something else. (3) An address. (4) The device attached to the cursor and tracked on the screen.

pointer grabbing. A client can actively grab control of the pointer so that button and motion events will be sent to that client rather than the client to which the events normally would have been sent.

pointer item. An elementary data item to which a USAGE IS POINTER clause
applies.

pointing device. A device with effective dimensional motion, usually a mouse. One visible cursor is defined by the core protocol, and it tracks whatever pointing device is attached as the pointer.

pop-down. An action referring to a type of widget that closes when a pointer button is released.

pop-up. (1) A box on the display screen that displays information or asks
you to make choices. (2) An action referring to a type of widget that
opens automatically when a pointer button is held down within certain
windows.

pop-up cascade. Several spring-loaded pop-ups emanating in succession

from one modal pop-up.

pop-up child. A child on the pop-up list.

pop-up icon. A button that indicates to you that additional values are
defined for another button. You can select the icon symbol * or + to see
these values.

pop-up list. The proper place in the widget hierarchy for a pop-up to get resources.

pop-up widget. A window child of the root that is attached to its widget parent differently from the normal widget; not geometrically constrained by its parent widget.

port. (1) To make the programming changes necessary to allow a program
that runs on one type of computer to run on another type of computer.
(2) A part of the system unit or remote controller to which cables for
display stations and printers are attached. (3) An access point for data
input to or data output from a computer system. (4) To transfer programs
from one computer to another. (5) An entrance to or exit from a network.

portmap service (portmapper). A daemon process that matches RPC port numbers to RPC services provided by NFS servers to conduct remote services in the NFS. Synonymous with portmapper.

portmapper. See portmap service.

position. The location of a character in a series, as in a record, a displayed message or a computer printout.

positional parameter. (1) A parameter that must appear in a specified location relative to other positional parameters. (2) A shell facility for assigning values from the command line to variables in a program.

POSIX. Portable Operating System for Computer Environments.

preprocessing. Processing for a display that occurs before the display is shown.

preprocessor. (1) A functional unit that effects preparatory computation
or organization. (2) A program that examines the source program for
preprocessor statements which are then executed, resulting in the
alteration of the source program.

presentation space. The data and attribute array associated with a
window.

primary copy. Each replicated file system has a copy designated as the primary copy, which is the copy that may be modified. It resides on the primary site and its purpose is to guarantee that file updates are kept consistent.

primary group. In concurrent groups, the group that is assigned to the files that you create.

primary site. The cluster site that maintains the primary copy of a replicated file system.

prime record key. A key whose contents uniquely identify a record within
an indexed file.

primitive widget. (1) A widget that instantiates its own children of a
known class rather than those instantiated by external clients. (2) A
widget that has no geometry management methods. Responsible for
operations requiring downward tranversal below themselves.

print queue. A file containing a list of the names of files waiting to be printed.

printing device. Any printer or device that prints; for example, a typewriter-like device or a plotter.

printout. Information from the computer produced by a printer.

priority. The relative ranking of items; for example, a job with high priority in the job queue will be run before one with medium or low priority.

priority number. A number that establishes the relative priority of printer requests.

privileged user. The account with superuser authority.

problem determination. The process of identifying why the system is not working. Often this process identifies programs, equipment, data communication facilities or user errors as the source of the problem.

problem determination procedure. A prescribed sequence of steps aimed at recovery from or circumvention of problem conditions.

procedure. A paragraph or group of logically successive paragraphs, or a section or group of logically successive sections, within the Procedure

Division. See also shell procedure.

Procedure Division. One of the four main component parts of a COBOL program. The Procedure Division contains instructions for solving a problem. The Procedure Division may contain imperative statements, conditional statements, compiler directing statements, paragraphs, procedures and sections.

procedure name. A user-defined word that is used to name a paragraph or section in the Procedure Division. It consists of a paragraph name (which may be qualified) or a section name.

process. (1) A sequence of discrete actions required to produce a desired result. (2) An entity receiving a portion of the processor's time for executing a program. (3) An activity within the system begun by entering a command, running a shell program or by another process. (4) A program now running. See also foreground process and background process.

process accounting. An analysis of the use each process makes of the processing unit, memory and I/O resources.

process code. See wide code.

process ID (PID). A unique number assigned to a process that is running.

process transparency. The ability to execute and control tasks on any site in the cluster, regardless of where the user is logged in. The same system calls and commands are used, no matter where the process is located; for example, a remote job is stopped the same way that a local job is stopped.

profile. (1) A file containing customized settings for a system or user.
(2) Data describing the significant features of a user, program or device.

profiler. A tool that can be used to obtain detailed statistics on the run-time performance of your program.

program. A file containing a set of instructions, conforming to a
particular programming language syntax, for the computer to interpret and
process.

program name. In the Identification Division, a user-defined word that identifies a COBOL library bounded by, but not including, pseudo-text delimiters.

program product. A licensed program for which a fee is charged. Synonym
for licensed program product (LPP).

program temporary fix (PTF). A temporary solution or by-pass of a problem diagnosed by IBM as resulting from a defect in a current, unaltered release of the program.

programmable terminal. See programmable work station.

programmable work station. A work station that has computational capability and that can be programmed to perform user-determined functions. Synonymous with intelligent terminal, intelligent work station and programmable terminal. Contrast with fixed-function work station.

prompt. A displayed symbol or message that requests input from the user
or gives operational information; for example, the standard UNIX prompt is
\$. The user must respond to the prompt in order to proceed.

propagation time. The time necessary for a signal to travel from one point on a communication line to another.

property. The name, type, data format and data associated with a window.
By using properties, clients and a window manager share information, such
as resize hints, program names and icon formats. It is a general-purpose
naming mechanism for clients. The protocol does not interpret properties.

property list. The list of properties that are defined for a particular window.

protocol. In data communication, the rules for transferring data.

protocol procedure. A process that implements a function for a device manager; for example, a virtual terminal manager may use a protocol procedure to interpret the meaning of keystrokes.

PR/SM. Process Resource/System Manager.

pseudocolor. (1) A class of colormap in which a pixel value indexes the colormap entry to produce independent red, green and blue values. That is, the colormap is viewed as an array of triples (RGB values). The RGB values can be changed dynamically. This is mutually exclusive to the direct color colormap class. (2) Also PseudoColor, a value.

pseudo-text. A sequence of text words, comment lines or the separator
space in a source program or COBOL library bounded by, but not including,
pseudo-text delimiters.

pseudo-text delimiters. Two contiguous equal sign (=) characters used to
delimit pseudo-text.

PTEP. Page table entry pointer.

PTF. See program temporary fix.

punctuation character. A character that belongs to the following set:

Character Meaning

- comma
 semicolon
 period
 quotation mark
 left parenthesis
 right parenthesis
 space
 equal sign
- PVM. See Pass-Through Virtual Machine.

pvseg. Process virtual segment.

+---+ | Q | +---+

qdaemon. The daemon process that maintains a list of outstanding jobs and sends them to the specified device at the appropriate time.

QSAM. See Queued Sequential Access Method.

qualified data-name. An identifier that is composed of a data-name followed by one ore more sets of either the connectives OF and IN followed by a data-name qualifier.

qualifier. (1) A data-name or a name associated with a level indicator which is used in a reference either together with another data-name which is the name of an item that is subordinate to the qualifier or together with a condition name. (2) A section name that is used in reference together with a paragraph name specified in that section. (3) A library name that is used in reference together with a text name associated with that library.

quark. See string.

query. The action of searching data for desired information.

queue. A line or list formed by items waiting to be processed.

queue name. A symbolic name that tells the MCS the logical path by which a message or a portion of a completed message may be accessible in a queue.

queued message. A message from the system that is added to a list of messages stored in a file for viewing by the user at a later time. This is in contrast to a message that is sent directly to the screen for the user to see immediately.

Queued Sequential Access Method (QSAM). An extended version of the basic sequential access method (BSAM). When this method is used, a queue is formed of input data blocks that are awaiting processing or of output data blocks that have been processed and are awaiting transfer to auxiliary storage or to an output device.

queuing directory. A directory through which INmail/INnet/INftp mail is routed.

quit. A key, command or action that tells the system to return to a previous state or stop a process.

quote. To mask the special meaning of certain characters; to cause them to be taken literally.

+---+ | R | +---+

radix. The positive integer by which the weight of the digit place is multiplied to obtain the weight of the digit place with the next higher weight; for example, in the decimal numeration table, the radix of each digit place is 10, in a biquinary code the radix of each fives position is 2.

raise. To make the stacking order of a window higher.

random access. An access mode in which records can be read from, written to or removed from a file in any order.

ratfor. Rational FORTRAN.

raw interface. In I/O, an interface in which data is not manipulated by the kernel before it arrives at the device driver.

RCTE. Remote control terminal echoing.

read-only. Pertaining to file system mounting, a condition that allows data to be read but not modified.

real ID. The ID (user or group) that is set at login.

real memory. Memory that is physically present in the system. Contrast with *virtual memory*.

real storage. The main storage in a virtual storage machine.

receiving item. A data item referred to in a TO or USING phrase in a PICTURE clause in the SCREEN SECTION.

reclen. Record length.

record. See logical record.

record area. A storage area allocated for the purpose of processing the record described in a record description entry in the FILE SECTION of the Data Division. In the FILE SECTION, the current number of character positions in the record area is determined by the explicit or implicit RECORD clause.

record description. See record description entry.

record description entry. The total set of data description entries associated with a particular record. Synonymous with record description.

record key. A key whose contents identify a record within an indexed file. Within an indexed file in SAA COBOL, a record key is the prime record key.

record name. A user-defined word that names a record described in a record description entry in the Data Division of a COBOL program.

record-sequential files. Files consisting of a series of fixed-length records. The length of a record is the length of the longest FD entry for the file in the FILE section of the program.

recording mode. The format of the logical records in a file. Recording
mode can be F (fixed-length), V (variable-length), S (spanned) or U
(undefined).

recovery procedure. (1) An action performed by the operator when an error message appears on the display screen. Usually, this action permits the

program to continue or permits the operator to run the next job. (2) The method of returning the system to the point where a major system error occurred and running the recent critical jobs again.

rectangle. A rectangle specified by [x,y,w,h] has an infinitely thin outline path with corners at [x,y], [x+w,y], [x+w,y+h] and [x,y+h]. When a rectangle is filled, the lower-right edges are not drawn; for example, if w=h=0, nothing would be drawn; if w=h=1, a single pixel would be drawn.

recursion. The process of using a function to define itself.

redirect. To divert data from a process to a file or device to which it would not normally go.

redirecting control. Transferring an operation to a specified client. Used when window managers or client programs enforce window layout policy to prevent attempts to change the size or position of a window.

reel. A discrete portion of a storage medium, the dimensions of which are determined by each implementer, that contains part of a file, all of a file or any number of files. Synonymous with unit and volume.

reference count. In an inode, a record of the total number of directory entries that refer to the inode.

region. An area within a bitmap, a pixmap, a screen or a window.

regular expression. A set of characters, metacharacters and operators that define a string or group of strings in a search pattern.

relation. See relational operator.

relation character. A character that belongs to the following set:

Character Meaning

- > Greater than
- < Less than
- **E**qual to

relation condition. The proposition, for which a truth value can be determined, that the value of an arithmetic expression, data item, nonnumeric literal or index name has a specific relationship to the value of another arithmetic expression, data item, nonnumeric literal or index name. See also relational operator.

relational expression. A logical statement describing the relationship (such as greater than or equal) of two arithmetic expressions or data

items.

relational operator. The reserved words or symbols used to express a
relational condition or a relational expression. The permissible
operators and their meanings are:

Operator	Meaning
IS GREATER THAN	Greater than

IS > Greater than
IS NOT GREATER THAN Not greater than
IS NOT > Not greater than
IS LESS THAN Less than
IS < Less than</pre>

IS < Less than
IS NOT LESS THAN Not less than
IS NOT < Not less than
IS EQUAL TO Equal to

IS = Equal to
IS NOT EQUAL TO Not equal to
IS NOT = Not equal to

IS GREATER THAN OR EQUAL TO Greater than or equal to
IS > = Greater than or equal to
IS LESS THAN OR EQUAL TO Less than or equal to
IS < = Less than or equal to</pre>

relative address. An address specified in relation to the contents of a symbol. When a program is relocated, the addresses themselves will change, but the specification of relative addresses remains the same.

relative addressing. A means of addressing instructions and data areas by designating their locations relative to some symbol.

relative file. A file with relative organization.

relative files. Files that allow you to access data randomly by specifying its position within the file. These files consist of fixed-length records, each of which is uniquely identified by a record number.

relative key. A key whose contents identify a logical record in a relative file.

relative organization. The permanent logical file structure in which each record is uniquely identified by an integer value greater than zero, which specifies the record's logical ordinal position in the file.

relative path name. The name of a directory or file expressed as a sequence of directories followed by a file name, beginning from the current directory.

relative record number. The ordinal number of a record in a file whose

organization is relative. This number is treated as a numeric literal which is an integer.

remote. Pertaining to a device, file or system that is accessed by your system through a communications line. Synonymous with <code>link-attached</code>. Contrast with <code>local</code>.

remote cluster site. A site on the cluster that the user is not logged in to. The term remote normally refers to a TCF cluster site.

remote host. See foreign host.

Remote Procedure Call (RPC). The interface NFS uses for remote procedure calls.

remote procedure call. A request for a service that is located on another computer in the network.

Remote Spooling Communications Subsystem (RSCS). A licensed VM program that transfers spool files, commands and messages between VM users, remote stations and remote and local batch systems. Each file is taken from the spooling system of a particular virtual machine and can then be transferred to the spooling system of any operating system that contains the required protocols for communicating with RSCS.

replicated root file system. The part of the root file system hierarchy comprising system directories and files found under the root (/) and replicated on all sites in the cluster. Replicated root files are not specific to individual cluster sites. The replicated root file system is a file system with key common files and directories for basic system operation. Almost all system binaries, programs and libraries are in the replicated root file system. Other user and system file systems (like the local file system) are mounted on top of directories in the replicated root file system.

reply. The way information requested by a client program is sent back to the client. Both events and replies are multiplexed on the same connection. Most requests do not generate replies; some generate multiple replies.

request. A command to the server to send a single block of data over a connection.

requester. A display station or interactive communications session that requests a program to be run.

required list. An ordered list containing a subset of the installed
colormaps.

required parameter. A parameter having no value automatically supplied and for which the user must provide a value.

reserved character. A character or symbol that has a special (non-literal) meaning unless quoted.

reserved word. A word that is defined in a programming language for a special purpose and that must not appear as a user-declared identifier.

reset. To return a device or circuit to a clear state.

resource. (1) Items such as windows, pixmaps, cursors, fonts, graphics contexts and colormaps are know as resources. Each has a unique identifier associated with it for naming purposes. The lifetime of a resource is bounded by the lifetime of the connection over which the resource was created. (2) A named piece of data in a widget that can be set by a client, by an application or by user defaults.

restore. To return to an original value or image; for example, to restore a library from diskette.

retransmit. To repeat the transmission of a message or segment of a message.

retry. To resend a transmission that did not achieve the desired or intended result; usually follows a timeout.

return code. In data communications, a value generated by the system or subsystem that is returned to a program to indicate the results of an operation issued by that program.

RGB value. Red, green and blue (RGB) intensity values are used to define a color. These values are always represented as 16-bit unsigned numbers with zero, the minimum intensity, and 65535, the maximum intensity. The X Server scales these values to match the display hardware.

right-adjust. To place or move an entry in a field so that the rightmost character of the field is in the rightmost position. Synonymous with right justify. Contrast with left-adjust.

right justify. See right-adjust.

right margin. The area on a page between the last text character and the right upper edge.

RISC. Reduced Instruction Set Computer.

RM/COBOL. The Ryan McFarland 2.0 dialect of COBOL.

root. (1) Another name sometimes used for superuser. (2) The main file system to which others are appended. (3) The screen on which the window is created. The root of a pixmap or GContext is the same as the root of the drawable used when the pixmap or GContext was created. The root of a pixmap or graphics context is the same as the root of whatever drawable was used when the pixmap or graphics context was created. The root of a window is the root window under which the window was created. (4) On the widget tree, the Shell widget returned by XtInitialize or XtCreateApplicationShell.

root directory. The top level directory in a file system. It may contain subdirectories. Synonymous with system directory.

root file system. The basic AIX Operating System file system, which contains operating system files and onto which other file systems can be mounted. The root file system is the file system that contains the files that are run to start the system running.

root window. Each screen has a root window covering it. It cannot be reconfigured or unmapped, but otherwise it performs like any other window. A root window has no parent.

route. A path defined for sending data across a network.

route table. A structure in memory that describes, for the computer, all of the routes that are currently defined.

routine. A set of statements in a program causing the system to perform an operation or a series of related operations.

routing path. A path containing the INmail system names of all computer systems through which mail is routed to reach a specific computer system.

RPC. See Remote Procedure Call.

RSCS. See Remote Spooling Communications Subsystem.

RTE. See Run-Time Environment.

RTS. Run-Time System. See Run-Time Environment.

rubber-band outline. A movable outline normally displayed on the screen when moving or resizing a window.

run. To cause a program, utility or other machine function to be performed.

run-time. The time at which an object program is executed. Synonymous with object time and execution time.

Run-Time Environment (RTE). A module that interprets intermediate code and provides various support services to native code.

run-time environment. A collection of subroutines and shell variables that provide commonly used functions and information for system components.

Run-Time System (RTS). See Run-Time Environment.

run-unit. One or more object programs which interact with one another and which function, at object time, as an entity to provide problem solutions.

+---+ | s | +---+

SAA. See Systems Application Architecture.

saveset. A list of window clients that should not be destroyed when a connection is closed and should be remapped or unmapped. Usually used by window managers to avoid lost windows if the manager is ended abnormally.

scanline. A list of pixel or bit values viewed as a horizontal row (all values have the same y coordinate). The values are ordered by increasing the x coordinate. As part of an image, the next scanline is ordered by increasing the y coordinate

scanline order. An image represented by scanlines ordered by increasing the y coordinate.

SCCS. See Source Code Control System.

SCCS identification. In SCCS, a number assigned to a version of a program to keep track of each version of the program.

scope terminator. A COBOL reserved word that marks the end of certain
Procedure Division statements. It may be either explicit (END-ADD) or
implicit (separator period).

scratch file. A file, usually used as a work file, that exists until the program that uses it ends.

screen. (1) A special type of window that is as large as the terminal screen. (2) A server can provide several independent screens that typically have physically independent monitors (display screens). This is the expected configuration when there is only a single keyboard and pointer shared among the screens. A screen structure contains the information about that screen and is linked to the display structure. See also display screen.

screen description entry. An entry in the SCREEN SECTION of the Data Division that is composed of a level number, followed by an optional screen-name and then by a set of screen clauses as required. This entry is very similar in structure to a data description entry, but while a data description entry declares areas in memory, a screen description entry declares areas on the screen.

screen item. A field on the screen to which the screen description entry assigns properties.

SCREEN SECTION. The last section within the Data Division, in which the layouts of the screen areas accessed in Format 1 ACCEPT and DISPLAY statements are defined.

scroll. To move the display image vertically or horizontally to bring into view information that is outside the display's boundaries. You can scroll a pane with the cursor movement keys or with the Scroll (right) button on a mouse.

scroll region. Displays the position and amount of text currently showing in the window (highlighted) relative to the amount of text actually saved.

SCSI. Small Computer Systems Interface.

sdb. A common AIX symbolic debugger.

SDLC. Synchronous Data Link Control.

second level interrupt handler (SLIH). A routine that handles the processing of an interrupt from a specific adapter. An SLIH is called by the first level interrupt handler associated with that interrupt level.

secondary copy. A read-only copy of the primary copy of a replicated file
system. Files in the secondary copy are automatically modified or deleted
when the corresponding file in the primary copy is modified or deleted.
New files added to the primary copy will be automatically added to the
secondary copy only if the appropriate fstore value has been set.

secondary site. The secondary site maintains the secondary copy of a
replicated file system.

section. A set of zero, one or more paragraphs or entities, called a section body, the first of which is preceded by a section header. Each section consists of the section header and the related section body.

section header. A combination of words followed by a separator period that indicates the beginning of a section in the Environment, Data and Procedure Divisions. In the Environment and Data Divisions, a section header is composed of reserved words followed by a separator period. The permissible section headers in the Environment Division are:

CONFIGURATION SECTION. INPUT-OUTPUT SECTION.

The permissible section headers in the Data Division are:

FILE SECTION.
WORKING-STORAGE SECTION.
LINKAGE SECTION.

In the Procedure Division, a section header is composed of section name, followed by the reserved word SECTION, followed by a separator period.

section name. A user-defined word that names a section in the Procedure Division.

sector. (1) An area on a disk track or a diskette track reserved to record information. (2) The smallest amount of information that can be written to or read from a disk or diskette during a single read or write operation.

security. The protection of data, system operations and devices from accidental or intentional ruin, damage or exposure.

sed. A stream editor.

segment. A contiguous area of virtual storage allocated to a job or
system task. A program segment can be run by itself, even if the whole
program is not in main storage. Synonymous with code segment.

segment-number. A user-defined word that classifies sections in the
Procedure Division for segmentation. Segment-numbers may contain only
characters from 0 through 9. A segment-number may be expressed either as
a one- or a two-digit number.

segment registers. Registers in the system that hold the actual addresses
of the memory segments currently in use.

select. To choose a button on the display screen. To select, place the cursor on an object (name or command) and press the Select (left) button on a mouse or the **Select** key on the keyboard.

selection. An indirect property of a dynamic type maintained by the client (the owner) but belonging to the user. It is not private to a particular window subhierarchy or a particular set of clients. When a client asks for the contents of a selection, it specifies a target type. This target type can be used to control the transmitted representation of the contents.

selection structure. A program processing logic in which one or another series of statements is executed, depending on whether a condition is true or false.

semantic transparency. Allows the same command to function identically from all cluster sites; for example, it provides for the **grep** command to have the same options and give the same results no matter where it is invoked.

semaphore. (1) An indicator used to control access to a file; for example, in a multi-user application, a flag that prevents simultaneous access to a file. (2) A general method of communication between two processes that is an extension of the features of signals.

semaphore ID. An integer that points to a set of semaphores and a data structure that contains information about the semaphores.

semid. See semaphore ID.

sending item. A data item referred to in a FROM or USING phrase in a PICTURE clause in the SCREEN SECTION.

sentence. A sequence of one or more statements, the last of which is terminated by a separator period.

separator. A character used to separate parts of a command or file. See also *delimiter*.

 ${f separator\ comma}$. A comma (,) followed by a space used to delimit character strings.

separator period. A period (.) followed by a space used to delimit character strings.

separator semicolon. A semicolon (;) followed by a space used to delimit

character strings.

sequence structure. A program processing logic in which a series of statements is executed in sequential order.

sequential access. An access method in which records are read from, written to or removed from a file based on the logical order of the records in the file.

sequential file. A file with sequential organization.

sequential organization. The permanent logical file structure in which a record is identified by a predecessor successor relationship established when the record is placed into the file.

serial search. A search in which the members of a set are consecutively examined, beginning with the first member and ending with the last.

server. (1) On a network, the computer that contains programs, data or
provides the facilities to be accessed by other computers on the network.
(2) A program that handles protocol, queueing, routing and other tasks
necessary for data transfer between devices in a computer system. (3) An
application program that usually runs in the background (daemon) and is
controlled by the System Program Controller. (4) Provides the basic
windowing mechanism. It handles IPC connections from clients,
demultiplexes graphics requests onto screens and multiplexes input back to
clients.

server grabbing. When a client seizes the server for exclusive use to prevent processing requests from other client connections until the grab is complete. This is typically a transient state for such things as rubber-banding and pop-up menus or to execute requests indivisibly.

session. (1) The period of time during which programs or devices can communicate with each other. (2) The logical connection by which a host program or device can communicate with a program or device at a remote location.

session records. In the accounting system, a record of time connected and line usage for connected display stations, produced from login and logout records.

set flags. Flags that can be put into effect with the shell set command.

shadow page table. A table that maps real storage allocations
(first-level storage) to a virtual machine's virtual storage (third-level
storage) for use by the real machine in its paging options.

shared memory. An area of memory that more than one cooperating process can access simultaneously.

shared memory ID. An identifier assigned to the shared segment for use within a particular process. It is similar in use to a file descriptor of a file.

shared printer. A printer that is used by more than one work station.

shell. A program that accepts and interprets commands for the operating system. Synonymous with **shell program**.

shell box. A geometry management technique where a type of bounding box can have only one child that is exactly the same size as the shell.

shell options. The shell provides two different types of options: set
options and command-line options. Set options are put into effect with
the set command and alter the way the shell runs. Command-line options
are entered on the command line (but not with the set command) and alter
the way the shell starts.

shell procedure. A series of commands combined in a file that carry out a particular function when the file is run or when the file is specified as an argument to the **sh** command. Synonymous with *shell scripts*.

shell program. See shell.

shell prompt. The character string on the command line indicating the system can accept a command (typically the \$ character).

shell script. See shell procedure.

shell variables. Facilities of the shell program for assigning variable values to names.

Shell widget. Holds the top-level widgets that communicate directly with the window manager. These widgets do not have parents.

shift keyboard state. A state of the keyboard obtained by pressing the Shift key in combination with another key.

shift-JIS. A mixed single- and double-byte code representing the ASCII control and graphic characters and the extended characters for single- and double-byte Katakana and double-byte Hiragana, Kanji, and Roman. Synonymous with code page 932, file code, and multibyte code.

shmid. See shared memory ID.

shutdown. The process of ending the operation of a system or a subsystem by following a defined procedure.

sibling. Children of the same parent window.

sign condition. The proposition, for which a truth value can be determined, that the algebraic value of a data item or an arithmetic expression is either less than, greater than or equal to zero.

sign off. To end a session at a display station.

sign on. The action an operator uses at a display station to begin working at the display station.

signal. (1) A simple method of communication between two processes.
(2) An event that interrupts the normal execution of a process.

simple condition. Any single condition chosen from the set:

relation condition class condition condition name condition switch status condition sign condition (simple condition).

single-shift control. In code page switching, a control code that shifts
to another page for a single character; nonlocking shifts.

sio. Start channel I/O.

site. The computer and its associated devices and programs. Synonymous
with system.

site name. A method of referring to a machine by a specific name. Synonymous with **system name**.

size field. In an inode, a field that indicates the size, in bytes, of the file associated with the inode.

SLIH. See second-level interrupt handler.

SMPT. Simple Mail Transfer Protocol.

SNA. See Systems Network Architecture.

SNOBOL. A programming language designed for string processing and pattern matching.

socket. (1) A unique host identifier created by the concatenation of a
port identifier with an IP address. (2) A port identifier.

software. Programs.

SOH (Start of Heading - 0x01). A communication grouping control character which is used at the beginning of a sequence of characters which constitute a machine-sensible address or routing information. Such a sequence is referred to as the heading.

 \mathtt{STX} (Start of Text - 0x02). A communication grouping control character which is used at the beginning of a sequence of characters which constitute a machine-sensible address or routing information. Such a sequence is referred to as the text. STX may be used to terminate a sequence of characters started by SOH.

sort. (1) To select a particular group of records from a file based upon some criterion. (2) To rearrange some or all of a group of items based upon the contents or characteristics of those items.

sort file. A collection of records to be sorted by a SORT statement. The
sort file is created and can be used by the sort function only.

sort-merge file description entry. An entry in the FILE SECTION of the Data Division that is composed of the level indicator SD, followed by a file name and then followed by a set of file clauses as required.

source. (1) The input to a comiler or assembler, written in a source language. (2) The symbolic definition of the originator of a transmission to a queue.

Source Code Control System (SCCS). A program for maintaining version control for the source files of a developing program.

SOURCE-COMPUTER. The name of an Environment Division paragraph in which the computer environment, within which the source program is compiled, is described.

source diskette. The diskette containing data to be copied, compared,
restored or backed up.

source program. A set of instructions written in a programming language, that must be translated to machine language and compiled before the program can be run.

sparse file. A file that is created with a length greater than the data it contains, leaving empty spaces for future addition of data. Synonymous with *hole in a file*.

special character. A character other than an alphabetic or numeric character. For example, *, +, and % are special characters.

special character word. A reserved word that is an arithmetic operator or a relation character.

special file. Special files are used in the AIX system to provide an
interface to input/output devices. There is at least one special file for
each device connected to the computer. See also block special file and
character special file. Contrast with directory and file.

SPECIAL-NAMES. The name of an Environment Division paragraph in which environment names are related to user specified mnemonic names.

special registers. Certain compiler generated storage areas whose primary use is to store information produced in conjunction with the use of a specific COBOL feature.

split key. A concatenation of one or more data items within a record associated with that filename. The split key can be referenced only in START and READ statements.

spool. A VM program that allocates disk areas to hold files in queues, usually while they await some sort of service; for example, print jobs are held in a print queue awaiting service from the printer.

spool file. (1) A disk file containing output that has been saved for later printing. (2) A file used in transmitting data among devices.

spring-loaded pop-up. A kind of widget, such as a menu, that is not visible to the window manager. The spring-loaded pop-up disables user-event processing except for events that occur in the menu.

SRM. System Resource Manager.

stack buffer. A storage area that stores retrievable data in sequence. The last text stored is the first text removed.

stacking order. The relationship between sibling windows that stack on

top of each other.

stand-alone shell. A limited version of the shell program used for system
maintenance.

stand-alone system. See stand-alone work station.

stand-alone work station. A work station that can be used to perform tasks independent of (without being connected to) other resources such as servers or host systems. Synonymous with *stand-alone system*.

standard data format. The concept used in describing the characteristics of data in a COBOL Data Division under which the characteristics or properties of the data are expressed in a form oriented to the appearance of the data on a printed page of infinite length and breadth, rather than a form oriented to the manner in which the data is stored internally in the computer or on a particular external medium.

standard error (STDERR). The place where many programs place error messages.

standard input (STDIN). The source of data going into a process. Standard input generally comes from the display station unless redirection or piping is used, in which case standard input can be a file or the data from a process.

standard output (STDOUT). The destination of data coming from a process. Standard output generally comes from the display station unless redirection or piping is used, in which case standard output can be a file or another process.

standard screen. A memory image of the screen that the routines make changes to.

stanza. A group of lines in a file that together have a common function. Stanzas are usually separated by blank lines, and each stanza has a name.

statement. (1) An instruction in a program or procedure. (2) A syntactically valid combination of words, literals and separators, beginning with a verb, written in a COBOL source program.

static. A style of creating pop-ups.

static color. (1) A degenerate case of pseudocolor in which the RGB values are predefined and read-only. See also *pseudocolor*. (2) Also StaticColor, a value.

static gray. (1) A degenerate case of gray scale in which the gray values are predefined and read-only. The values are typically near-linear increasing ramps. See also *gray scale* and *monochrome*. (2) Also StaticGray, a value.

statically linked executable module. A module in the form of a standard AIX a.out executable object module that has all of its overlays and procedures linked into memory.

station. A computer or device that can send or receive data.

status. (1) The current condition or state of a program or device; for example, the status of a printer. (2) The condition of the hardware or software, usually represented in a status code.

STDERR. See standard error.

STDIN. See standard input.

STDOUT. See standard output.

stipple. A bitmap used to tile a region. A stipple pattern serves as an additional clip mask for a fill operation with the foreground color.

storage. (1) The location of saved information. (2) The saving of information on physical devices such as disk or tape. Contrast with **memory**.

storage device. A device for storing and/or retrieving data.

store. To place information in memory or onto a minidisk or tape so that it is available for retrieval and updating.

stream. Sequential input or output from an open file descriptor.

string. (1) A linear sequence of entities such as characters or physical elements. Examples of strings are alphabetic strings, binary element strings, bit strings, character strings, search strings and symbol strings. Synonymous with character string and quark. (2) A series of characters to be taken literally by the system; for example, string may be specified for a context search or for global substitutions.

structured field. See field.

structured file. A special type of INed file that contains specialized data such as information about the structure of the data in the file and

history information about changes that have been made to the file. Structured files can contain hierarchical data that is displayed and edited by using forms.

structured programming. A technique for organizing and coding a computer program in which the program comprises a hierarchy of segments, each segment having a single entry-point and a single exit-point. Control is passed downward through the structure without unconditional branches to higher levels of the hierarchy.

stubs. Hooking functions used as extensions to the protocol to generate protocol requests for X-windows. Synonymous with *hooking routines*.

su. See superuser.

subdirectory. A directory contained within another directory in the file system hierarchy.

subject of entry. An operand or reserved word that appears immediately
following the level indicator or the level number in a Data Division
entry.

subprogram. A program invoked by another program. Synonym for *called program*. Contrast with **main program**.

sub-queue. A logical hierarchical division of a queue.

subroutine. (1) A sequenced set of statements that may be used in one or
more computer programs and at one or more points in a computer program.
(2) A routine that can be part of another routine. See also routine.

subscript. An integer or variable whose value refers to a particular element in a table or an array.

subscripted data-name. An identifier that is composed of a data-name
followed by one or more subscripts enclosed in parentheses.

subshell. An instance of the shell program started from an existing shell
program.

substitution. A procedure used by a text editor like **ed** or **vi** to replace one specified string of characters with another. If a global substitution is made, all occurrences of the specified text pattern are replaced with the new one.

substring. A part of a character string.

subsystem. A secondary or subordinate system usually capable of operating independently of, or synchronously with, a controlling system.

suffix. A character string attached to a file name that helps identify its file type.

super block. The most critical part of the file system containing
information about every allocation or deallocation of a block in the file
system.

superuser (su). (1) The user who can operate without the restrictions designed to prevent data loss or damage to the system (user ID 0). Synonym for superuser authority. (2) An AIX command that runs a shell and allows you to operate there with the privileges of the specified user (by default root). (3) Root permissions.

superuser authority. The unrestricted ability to access and modify any part of the operating system that is associated with the user who manages the system. The authority obtained when one logs in as root. Synonymous with superuser privileges.

superuser privileges. See superuser authority.

supervisor. The part of the AIX/370 Operating System control program that coordinates the use of resources and maintains the flow of processing unit operations.

SVC. Supervisor call instruction.

switch parameters. The switches that affect the way your AIX VS COBOL program is run.

switch status condition. The proposition, for which a truth value can be
determined, that an UPSI switch, capable of being set to an on or off
status, has been set to a specific status.

symbol function. The use of specified characters in the PICTURE clause to represent data types.

symbolic link. A mechanism that lets you assign a second name to a file or a directory. It functions as a pointer to the other file or directory. There are no restrictions pertaining to source or destination locations. A file may be deleted if the only pointers to the file are symbolic links. See also link.

synchronous. Occurring in a regular or predictable sequence.

synchronous transmission. In data communication, a method of transmission in which the sending and receiving of characters is controlled by timing signals. Contrast with **asynchronous transmission**.

syntax. (1) The relationship among characters or groups of characters, independent of their meanings or the manner of their interpretation and use. (2) The structure of expressions in a language. (3) The rules governing the structure of a language. (4) The relationship among symbols. (5) The rules for the construction of a statement.

system. See site.

system administrator. The person at a computer installation who designs, controls and manages the use of the computer system.

system call. A request by an active process for a service by the system kernel.

system customization. A process of specifying the devices, programs and users for a particular data processing system.

system date. The date assigned by the system user during setup and maintained by the system.

system directory. See root directory.

system dump. A copy of memory from all active programs (and their associated data) whenever an error stops the system. Contrast with **task dump**.

system management. The tasks involved in maintaining the system in good working order and modifying the system to meet changing requirements.

system name. (1) The name by which INmail/INnet recognizes a computer system. Synonym for **site name**. (2) A COBOL word that is used to communicate with the operating environment.

system parameters. See kernel parameters.

system primary site. The machine (cluster site) designated to hold the primary copy of the replicated root file system. When files are changed in the replicated root file system, the primary site for the cluster must be available.

system profile. A file containing the default values used in system
operations.

system-replicated file system. A file system that contains files and directories accessed by many users regardless of the users' specific applications. These system files, programs and directories are replicated on different sites in a cluster.

system unit. The part of the system that contains the processing unit, the disk drive and the disks and the diskette drive and diskettes.

system user. A person, process or other resource that uses the facilities of a computer system.

Systems Application Architecture (SAA). A defined set of interfaces, conventions and protocols that can be used across various IBM systems.

Systems Network Architecture (SNA). A set of rules for controlling the transfer of information in a data communication network.

+---+ | **T** | +---+

table. A set of logically consecutive items of data that are defined in the Data Division by means of the OCCURS clause.

table element. A data item that belongs to the set of repeated items comprising a table.

tape. A thin, flexible magnetic strip used to store information.

tape drive. The mechanism used to read and write information on tapes.

target diskette. The diskette to be used to receive data from a source
diskette.

task. A basic unit of work to be performed. Examples of tasks are a user task, a server task and a processor task.

task dump. A copy of memory from a program that failed (and its associated data). Contrast with system dump.

TCF. See Transparent Computing Facility.

TCF cluster. A group of computers operating under the AIX Operating System and using the Transparent Computing Facility (TCF).

TCP. See Transmission Control Protocol.

TCP/IP. See Transmission Control Protocol/Internet Protocol.

telecommunications. Transmitting signals over long distance.

teleprocessing. Processing data that is received from or transmitted to a remote location via communication channels.

telnet. A remote login protocol.

template. In enhanced edit mode, a character buffer associated with the terminal.

terminal. (1) An input/output device containing a keyboard and either a display device or a printer, capable of sending and receiving information over a communications line. Synonymous with work station. (2) A memory image of what the terminal screen currently looks like.

terminfo database. A database containing terminal descriptions.

text. A type of data consisting of a set of linguistic characters (for example, alphabetic characters, numbers and symbols) and formatting controls.

text application. A program defined for the purpose of processing text data; for example, memos, reports and letters.

text editing program. See editor and text application.

text element. See element.

text indicators. Symbols or arrows at the bottom of the editor window that show the directions in which you can scroll to view additional portions of the file.

text name. A user-defined word that identifies library text.

text word. A character or a sequence of contiguous characters following the indicator area (column 7) in a COBOL library, source program or in a pseudo-text which is:

A separator, except for: space; a pseudo-text delimiter; and th opening and closing delimiters for nonnumeric literals. The right

parenthesis and left parenthesis characters, regardless of context within the library, source program or pseudo-text, are always considered text words.

A literal including, in the case of nonnumeric literals, the openin quotation mark and closing quotation mark that bound the literal.

Any other sequence of contiguous COBOL characters except comment line and the word COPY bounded by separators which is neither a separator nor a literal.

texttab. A kernel parameter establishing the size of the text table, in memory, that contains one entry each active shared program text segment.

tile. (1) A bitmap. (2) To fill a region with a bitmap. To replicate a pixmap in two dimensions.

timeout. Measurement of time intervals allotted for certain events to occur (such as a response to polling or other controls) before corrective (recovery) action is taken.

timestamp. A time value expressed in milliseconds, typically since the last server reset. Timestamp values wrap around usually after 49.7 days. The server, once given its current time, is represented by $timestamp\ T$ and always interprets timestamps from clients by treating half of the timestamp space as being earlier in time than T and half the timestamp space as being later in time than T. One timestamp value, represented by the constant CurrentTime, is never generated by the server. This value is reserved for use in requests to represent the current server time.

token. (1) The smallest independent unit of meaning as defined by either the parser or the lexical analyzer. A token can contain data, a language keyword, an identifier or other parts of a language syntax. (2) In M4, any string of letters and digits that m4 recognizes.

token numbers. Nonnegative integers that represent the names of tokens.

Token-Ring network. A network that uses a ring topology, in which tokens are passed in the circuit from node to node. A node ready to send can capture the token and insert data for transmission.

TOOLS window. A window that contains buttons for commands that run utility and system control programs.

top down design. The design of a computer program using a hierarchic structure in which related functions are performed at each level of the structure.

top down development. See structured programming.

trace. To record data that provides a history of events occurring in the system.

trace entry. A data structure containing a header of identifying information plus up to 20 bytes of defined data. Trace entries are generated by trace points and written to a trace log file.

trace point. A group of code statements that generates a trace entry from within a software program. Trace points are assigned to an event class which can be active or inactive. Trace points with active event classes can generate trace entries.

trace profile. An ASCII file that can be modified to activate or deactivate the various event classes. The trace profile is used by the trace daemon to set up three channel tables that show which event classes are active.

trace table. A storage area into which a record of the performance of computer program instructions is stored.

trace template. Used by the trace formatter to determine how the data contained in a trace entry should be formatted. All trace templates are stored in the master template file.

track. A circular path on the surface of a fixed disk, diskette, magnetic
tape or CD ROM on which information is magnetically recorded and from
which recorded information is read.

trailer label. A file or data set label that follows the data records on a unit of recording medium. Synonymous with end-of-file label.

transfer. To move data from one location to another in a computer system
or between two or more systems.

translation table. (1) A table that specifies the mapping of events or event sequences to procedure names. (2) A string containing a list translating the events to procedure calls.

transmission control characters. Special characters that are included in a message to control communication over a data link. For example, the sending station and the receiving station use transmission control characters to exchange information; the receiving station uses transmission control characters to indicate errors in data it receives.

Transmission Control Protocol (TCP). A communications protocol used in Internet and any other network following the U.S. Department of Defense standards for inter-network protocol. Provides a reliable host-to-host protocol in packet-switched communications networks and in an

interconnected system of such networks. It assumes that Internet Protocol is the underlying protocol.

Transmission Control Protocol/Internet Protocol (TCP/IP). A network protocol that connects to other systems that support TCP/IP. TCP/IP allows a user to send and receive mail, transfer files across a network, print files, run commands on remote systems, and log in to remote systems.

transparency. The obscuring of machine boundaries in a distributed system. The AIX/370 system supports several kinds of transparency including name, location, semantic, data and process transparency.

transparent. In communications, pertaining to transmissions that have no possibility of interference with data link control, regardless of format or content. Transparent transmissions are unrecognized by data link controls.

Transparent Computing Facility (TCF). A facility that automatically allows for data, process, name, location and semantic transparency.

trap. An unprogrammed, hardware-initiated jump to a specific address.
Occurs as a result of an error or certain other conditions.

tree-structured directories. A method for connecting directories such that each directory is listed in another directory except for the root directory, which is at the top of the tree.

trojan horse. A program that can vandalize your files, although it does its defined task.

true color. (1) A degenerate case of direct color in which the subfields in the pixel value directly encode the corresponding RGB values. That is, the colormap has predefined read-only RGB values. The values are typically near-linear increasing ramps. (2) Also TrueColor, a value.

true color adapter. In the Graphics Support Library, a color adapter in which the pixel color value drives the digital-to-analog converters without the level of indirection forced by the video lookup table (VLT). Contrast with VLT-based adapter.

truncate. To shorten a field or statement to a specified length.

trusted communications path. A secure path to the system, invoked with a key sequence and used when entering or changing security-relevant information in the system; for example, when changing passwords or logging in to the system.

trusted computing base. The total of all system components, both hardware

and software, that protect data in the system.

trusted program. A program with an ID of root (superuser) known to be free of trojan horses and computer viruses.

trusted shell. A modified command interpreter that provides a restricted environment to perform administrative tasks in a secure manner.

truth value. The representation of the result of the evaluation of a condition in terms of one of two values: true or false.

 \mathtt{TTY} . Designates a terminal. On a system with more than one terminal, the TTY field of the process status displayed by the \mathtt{ps} command indicates which terminal started the process.

turnaround. Changing a communications line from transmit mode to receive mode or from receive mode to transmit mode.

turnaround time. The time interval required to reverse the direction of transmission over a communication line.

type. An arbitrary atom used to identify the data. A type is solely for the benefit of clients and is not interpreted by the server. X-Windows predefines type atoms for many frequently-used types. Clients also can define new types.

type style. Characters of a given size, style and design.

typematic key. A key that repeats its function multiple times when held down.

+---+ | U | +---+

UDP. See User Datagram Protocol.

UID. See user ID.

 ${f U-JIS}$. A mixed single- and double-byte EUC that represents CSO, CS1, and CS2 sets of ASCII and extended characters.

unary operator. A plus (+) or a minus (-) sign, that precedes a variable or a left parenthesis in an arithmetic expression and that has the effect of multiplying the expression by +1 or -1, respectively.

unit. A module of direct access, the dimensions of which are determined by IBM.

UNIX link. A mechanism that lets you use the ln command to assign more than one name to a file. Both the new name and the file being linked to must be in the same file system. A file is deleted when all the UNIX links (including the first link - the original name) have been removed. Synonym for link.

UNIX-to-UNIX Copy Program (UUCP). A set of programs that allows you to copy files from a local UNIX system to a remote UNIX system. The uucp command is part of the Basic Networking Utility (BNU) program.

unmanaged window. A window whose size cannot be changed.

unviewable. Pertaining to a mapped window with an unmapped ancestor.

update. An improvement for some part of the system.

update file. A disk file from which a program reads a record, updates fields in the record and writes the record back into the location it came from

uppercase character. Those graphic characters (including capital letters) of a primary set which can be input from a keyboard using the normal shift key.

UPSI switch. A program switch that performs the functions of a hardware switch. Eight switches are provided: UPSI-0 through UPSI-7.

 ${\tt user.}$ (1) The name associated with an account. (2) A person interacting with a workstation and X-Windows.

user account. See account.

user area. The parts of main storage and disk available to the user.

User Datagram Protocol (UDP). A protocol that transmits messages from IP to process on the computer.

user-defined word. A COBOL word that must be supplied by the user to satisfy the format of a clause or statement.

user ID (UID). A unique alphanumeric string identifying an operator to the system. This string of characters limits the functions and

information the operator is allowed to use. The user ID can often be substituted in commands that take a user's name as an argument. Synonymous with user identification, user name and user number.

user identification. See user ID (UID).

user list. A list containing the user identification and access levels of all operators who are allowed to use a specified file or library.

 ${\tt user\ name}$. A name that uniquely identifies a user to the system. Synonym for ${\tt user\ ID\ (UID)}$.

user number. See user ID (UID).

user profile. A file containing a description of user characteristics and defaults (for example, printer assignment, formats and group ID) to be conveyed to the system while the user is logged on.

user-replicated file system. A file system containing files and directories accessed only by specific users or for particular applications. These user files and directories are replicated on different sites in a cluster.

utility. (1) A computer program in general support of the processes of a computer; for instance, a diagnostic program, a trace program, or a sort program. (2) A program designed to perform an everyday task such as copying data from one storage device to another.

UUCP. See *UNIX-to-UNIX Copy Program*.

UVCP. UNIX-to-VM copy.

+---+ | **v** | +---+

valid. (1) Allowed. (2) True, in conforming to an appropriate standard
or authority.

value. (1) In Usability Services, information selected or typed into a
pop-up. (2) A set of characters or a quantity associated with a parameter
or name. (3) In programming, the contents of a storage location.

variable. A name used to represent a data item whose value can change
while the program is running. Contrast with constant.

variable occurrence data item. A table element that is repeated a
variable number of times. Such an item must contain an OCCURS DEPENDING
ON clause in its data description entry or be subordinate to such an item.

VCTC. Virtual channel-to-channel.

verb. A word that expresses an action to be taken by a COBOL compiler or object program.

verify. To confirm the correctness of something.

version. Information in addition to an object's name that identifies different modification levels of the same logical object.

V=F. Virtual=Fixed mode.

vi. A full screen editor.

video lookup table (VLT). In the Graphic Support Library, a table of indexes that contains a value for each of the red, green and blue digital-to-analog converters on the VLT-based color adapter that drives the color guns in the display table.

viewable. Pertaining to a mapped window whose ancestors are all mapped;
not necessarily visible. Graphics requests can be performed on a window
when it is not viewable, but output will not be retained unless the server
is maintaining backing store.

virtual device. A device that appears to the user as a separate entity
but is actually a shared portion of a real device; for example, several
virtual terminals may exist simultaneously, but only one is active at any
given time.

Virtual Machine (VM). A hypervisor (a program that runs operating systems) that runs on System/370 hardware. VM can divide the processor into any number of virtual machines, each of which appears to be a complete System/370 machine.

virtual machine. (1) A functional simulation of a computer and its related devices. Each virtual machine is controlled by a suitable operating system (for example, conversational monitor system). VM/370 controls concurrent execution of multiple virtual machines on a single System/370. (2) In VM, a functional equivalent of either a System/370 computing system or a System/370-Extended Architecture computing system. Each virtual machine is controlled by an operating system. VM controls concurrent execution of multiple virtual machines on a single system.

virtual machine console. A terminal used to control a virtual machine.

There is one VM console for every virtual machine running on the real machine. Each simulates the console of a real machine.

Virtual Machine/System Product (VM/SP). An IBM licensed program that manages the resources of a single computer so that multiple computing systems appear to exist. Each virtual machine is the functional equivalent of a real machine.

virtual memory. Addressable space that appears to be real memory. From virtual memory, instructions and data are mapped into real memory locations. Contrast with real memory.

virtual storage. Addressable space that appears to be real storage. From virtual storage, instructions and data are mapped into real storage locations.

Virtual Storage Access Method (VSAM). A high performance mass storage access method. Three types of data organization are available: entry sequenced data sets (ESDS), key sequenced data sets (KSDS) and relative record data sets (RRDS). Their COBOL equivalents are, respectively: sequential, indexed and relative organization.

virtual terminal. Any of several logical equivalents of a display station
available at a single physical display station.

visible. A region of a window that is viewable and not occluded on the screen by the user.

VLT. See video lookup table.

VLT-based adapter. A color display adapter in which the pixel color value serves as an index into a video lookup table (VLT). The actual color resulting from a particular pixel color value depends on the values loaded into the VLT. Contrast with **true color adapter**.

VM. See Virtual Machine (VM).

VM HPO. Virtual Machine High Performance Option.

VM HPO PMA. Virtual Machine High Performance Option Preferred Machine Assist.

VM minidisk. VM has the ability to divide a real disk into smaller minidisks, each of which acts like a whole real disk. The smallest size that may be allocated is one cylinder for CKD devices or one block for FBA devices.

VM/SP. See Virtual Machine/System Product.

VM/XA. Virtual Machine/Extended Architecture.

VM/XA SP. Virtual Machine/Extended Architecture System Product.

volume. A module of external storage. For tape devices it is a reel; for direct access devices it is a unit.

Volume ID (Vol ID). A series of characters recorded on the diskette used to identify the diskette to the user and to the system. Also applies to System/370 DASD devices.

volume switch procedures. System specific procedures executed automatically when the end of a unit or reel has been reached before end-of-file has been reached.

V=R. Virtual=Real mode.

VSAM. See Virtual Storage Access Method.

vseg. Virtual segment.

vsgrow. Virtual segment grow.

VT (Vertical Tab - 0x0b). A formatting control character that moves the active position vertically to the next in a series of predetermined lines.

VTAM. Virtual Telecommunications Access Method.

VTOC. Virtual table of contents.

VUCP. VM-to-UNIX copy.

v=v. Virtual=Virtual mode.

+---+ | **W** | +---+

warp. Moving the mouse to the center of the window.

well-known host name. A conventional name associated with an Internet

Protocol (IP) address on a particular network; for example, **nameserver** and **timeserver**.

well-known port. A conventional port assignment used by hosts that support the same protocols, whether or not the hosts are on the same network.

wide area network. A network that provides data communication capability in geographic areas larger than those serviced by local area networks.

wide code. A fixed-width, internal code used to manipulate multibyte characters and strings efficiently in main storage. Synonymous with process code.

widget. (1) The fundamental data type of the X-Windows Toolkit. (2) An object providing a user-interface abstraction; for example, a Scrollbar widget. It is the combination of an X-Windows window (or subwindow) and its associated semantics. Logically, it is a rectangle with associated input and output semantics, although some can be input-only or output-only. Each widget belongs to one widget class. A widget implements procedures through its widget class structure. See also composite widget, Core widget, primitive widget and Shell widget.

widget class. The general group that a specific widget belongs to. Physically, it is a pointer to a structure. Synonymous with widget type.

widget gravity. See window gravity.

widget instance. A specific widget object as opposed to a general widget class. It is composed of a data structure containing instance-specific values and another data structure containing information applicable to all widgets of that class.

widget programmer. A programmer who adds new widgets to the X-Windows
Toolkit.

widget tree. The symbolic structure for X-Windows Toolkit code. The
basic element is a widget class. See also leaves, intermediate nodes and
root.

widget type. See widget class.

wildcard. See pattern-matching character.

window. (1) An area within the display screen, that may be subdivided into a collection of contiguous panes used to present data to the user. (2) A memory image of what a section of the terminal screen looks like at some point in time. A window can be either the entire terminal screen or

any smaller portion down to a single character. (3) A rectangular area of the screen in which the dialog between you and a given application is displayed.

window gravity. The attraction of a subwindow to some part of its parent. Window gravity causes subwindows to be automatically repositioned, relative to an edge, corner or center of a window when resized. Synonymous with widget gravity.

window manager. The client that manipulates windows on a screen and provides much of the user interface.

WINDOWS window. A window that contains buttons for creating new windows and managing open windows.

word. A contiguous series of 32 bits (4 bytes) in storage, addressable as a unit. The address of the first byte of a word is evenly divisible by four.

word wrap. A feature that automatically moves a word to the next line if the word does not fit within the margins.

work file. A file used for temporary storage of data being processed.

work station. A device at which an individual may transmit information to or receive information from a computer for the purpose of performing a task; for example, a display station or printer. See also programmable work station and dependent work station.

working directory. See current directory.

WORKING-STORAGE SECTION. The section of the Data Division that describes working storage data items, composed either of noncontiguous items or working storage records or both.

wrap around. Movement of the point of reference in a file from the end of one line to the beginning of the next or from one end of a file to the other.

write back cache. GCs cached by the library to allow merging independent change requests into one protocol request.

+---+ | **x** | +---+

XA. Extended Architecture.

XDR. See External Data Representation.

X Server. A display server that runs on computers with bitmapped terminals. See also server.

X-Windows Toolkit. A collection of basic functions for developing a variety of application environments. Toolkit functions manage Toolkit initialization, widgets, memory, events, geometry, input focus, selections, resources, translation of events, graphics contexts, pixmaps and errors.

XYFormat. The format of a pixmap organized as a set of bitmaps representing individual bit planes that appear in most-significant to least-significant bit order.

X.25. A commercial packet network access protocol that specifies three levels of connections. The X.25 physical level, link level, and packet level correspond to the first three layers of the ISO/OSI model.

+---+ | **Y** | +---+

Yellow Pages (YP). A network service that utilizes a centralized data base system to administer system information, such as passwords and machine names. The YP is installed with the NFS licensed program.

YP. See Yellow Pages.

+---+ | **z** | +---+

ZFormat. The format of a pixmap organized as a set of pixel values in scanline order.

zombie. A terminated process whose entry remains in the process table in the kernel.

zoned decimal item. See external decimal item.

AIX Operating System Library Guide, Glossary, and Master Index Chapter 3. Master Index

3.0 Chapter 3. Master Index

This index is a compilation of the indexes of all the manuals in the AIX Operating System library. Each entry in this index is followed by one or more abbreviations that identify the manuals in which the entry appears. The book abbreviations are defined in Figure 3-1. For easy reference, this table is also provided as a foldout at the back of the book.

Figure 3-1. Key to the Master Index		
Abbreviation	Book Title	Order Number
ACCADM	AIX Access for DOS Users Administrator's Guide	SC23-2042
ACCGDE	AIX Access for DOS Users User's Guide	SC23-2041
CREF	AIX C Language Reference	SC23-2058
CGDE	AIX C Language User's Guide	SC23-2057
CMDREF1	AIX Operating System Commands Reference, Volume 1	SC23-2292
CMDREF2	AIX Operating System Commands Reference, Volume 2	SC23-2184
MBCS	AIX Operating System Guide to Multibyte Character Set (MBCS) Support	GC23-2333
SYSMSG	AIX Operating System Messages Reference	SC23-2294
TECHREF1	AIX Operating System Technical Reference, Volume 1	SC23-2300
TECHREF2	AIX Operating System Technical Reference, Volume 2	SC23-2301
PRGTOOL	AIX Programming Tools and Interfaces	SC23-2304
DOSMRG	AIX PS/2 DOS Merge User's and Administrator's Guide	SC23-2045
PS2GIM	AIX PS/2 General Information	+ GC23-2055
PS2IN	AIX PS/2 INed	SC23-2001
PS2GDE	AIX PS/2 INmail/INnet/INftp User's Guide	SC23-2076
INTREF	AIX PS/2 Interface Library Reference	SC23-2051
PS2KEY	AIX PS/2 Keyboard Description and Character Reference	+
PS2TEXT	AIX PS/2 Text Formatting Guide	+ SC23-2044

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USEREF 	AIX PS/2 Usability Services Reference	SC23-2039
USEGDE	AIX PS/2 Usability Services User's Guide	SC23-2038
COBREF	AIX PS/2 VS COBOL Language Reference	SC23-2003
COBRUN	AIX PS/2 VS COBOL Run-Time Guide	SC23-2034
COBGDE	AIX PS/2 VS COBOL User's Guide	SC23-2004
TCPGDE	AIX TCP/IP User's Guide	SC23-2309
FORREF	AIX VS FORTRAN Reference	SC23-2050
FORGDE	AIX VS FORTRAN User's Guide	SC23-2049
PASREF	AIX VS Pascal Reference	SC23-2054
PASGDE	AIX VS Pascal User's Guide	SC23-2053
WHIP	AIX Workstation Host Interface Program User's Guide and Reference	SC23-2060
XWREF	AIX X-Windows Programmer's Reference	SC23-2118
XWGDE	AIX X-Windows User's Guide	SC23-2017
ADMIN	AIX/370 Adminstration Guide	 SC23-2088
DIAG	 AIX/370 Diagnosis Guide 	 SC23-2090
PLNGDE	AIX/370 Planning Guide	GC23-2065
INSTPS2	Installing and Customizing the AIX PS/2 Operating System	SC23-2290
INST370	Installing and Customizing the AIX/370 Operating System	SC23-2066
MANAGE	Managing the AIX Operating System	SC23-2293
USING	Using the AIX Operating System	SC23-2291

Subtopics

- 3.1 Types of Entries in the Master Index
- 3.2 How to Use the Master Index
- 3.3 Alphabetical Entries
- 3.4 Numeric and Special Character Entries

AIX Operating System Library Guide, Glossary, and Master Index

Types of Entries in the Master Index

3.1 Types of Entries in the Master Index
There are three sections in the master index, each containing a specific type of index entry:

Alphabetics The first and largest section contains alphabetical

entries.

Numerics The second section contains numerical entries which

are listed in ascending order.

Special Characters The last section contains entries which are, or begin

with, symbols.

AIX Operating System Library Guide, Glossary, and Master Index How to Use the Master Index

3.2 How to Use the Master Index
To find information in the master index:

- 1. Think of the subject or topic you want to look up. Note that it may be necessary to think of another way to word your topic to find the precise information you need. For example, if you needed information on installing TCP/IP on your AIX system, you might look up the term "installing".
- 2. The entry for "installing" contains the following subentries:

installing

additional licensed program products INSTPS2 from diskette TCPGDE line discipline routines TECHREF2 TCP/IP USING

3. The abbreviations to the right of each entry correspond to a particular book which contains that information.

In this example, the abbreviations and books are:

INSTPS2 Installing and Customizing the AIX PS/2 Operating System

TCPGDE AIX TCP/IP User's Guide

TECHREF2 AIX Operating System Technical Reference (Volume 2)

USING Using the AIX Operating System

4. You can now look in *Using the AIX Operating System* or *AIX TCP/IP User's Guide* for information about installing TCP/IP.

3.3 Alphabetical Entries

```
+---+
   A
A drive, changing to DOSMRG
A edit-descriptor
     R1 specifics FORREF
A flag COBGDE
a+ command-line option FORGDE
a, A commands PS2TEXT
abbreviate command PS2TEXT
abbreviated combined relation conditions
  COBREF
abbreviated commands INST370,
 INSTPS2
abbreviations PS2TEXT
ABEND keyword DIAG
abort file changes TECHREF1
abort subroutine TECHREF1
Above XWREF
abs function PASREF
abs subroutine TECHREF1
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    with TCF TECHREF1
chown (change owner) command ADMIN,
CMDREF1, PLNGDE,
USING
CHOWNX system call INTREF
    See also file maintenance
chparm command CMDREF1
    run by rdevcvt command CMDREF2
chr function PASREF
chroot command CMDREF1
CHROOT system call INTREF
    See also file maintenance
chroot system call TECHREF1
    with TCF TECHREF1
chsh command CMDREF2
CI FORGDE
Ci (contents indent) string
register PS2TEXT
circle subroutine TECHREF1
circulate XWGDE
    definition XWGDE
    subwindows XWREF
    subwindows down xwref
    subwindows up XWREF
CirculateNotify xwref
CirculateNotify event xwreF
CirculateRequest XWREF
CirculateRequest event xwreF
circulating windows XWGDE,
XWREF
    CirculateNotify xwref
    CirculateRequest xwreF
    SubstructureRedirectMask xwreF
circumflex accent character PS2KEY,
TECHREF2
CKD disk INST370
ckd special file TECHREF2
ckpacct command CMDREF1
ckprereq command CMDREF1,
PRGTOOL
ckstack command CMDREF1
```

```
CL FORGDE
Cl (contents-level) register
 PS2TEXT
class condition COBREF
class field (BNU Devices file)
 MANAGE
class field (BNU Systems file)
 MANAGE
class of window, get xwreF
class of window, sets XWREF
classify characters TECHREF1
class, device
    block MANAGE
    character MANAGE
clause
    ASSIGN COBREF
    AUTO COBREF
    BACKGROUND-COLOR COBREF
    BELL COBREF
    BLANK COBREF
    BLANK WHEN ZERO COBREF
    BLINK COBREF
    BLOCK CONTAINS COBREF
    CODE COBREF
    CODE-SET COBREF
    COLUMN COBREF
    COLUMN NUMBER COBREF
    CONSOLE IS CRT COBREF
    CONTROL COBREF
    CRT STATUS COBREF
    CURSOR IS COBREF
    DATA RECORDS COBREF
    DATA SIZE COBREF
    Data-name COBREF
    Data-name or FILLER COBREF
    EXTERNAL COBREF
    FOREGROUND-COLOR COBREF
    FULL COBREF
    GLOBAL COBREF
    GRID COBREF
    GROUP INDICATE COBREF
    HIGHLIGHT COBREF
    INDEX SIZE COBREF
    JUSTIFIED COBREF
    LABEL RECORDS COBREF
    LEFTLINE COBREF
    LINAGE COBREF
    LINE COBREF
    LINE NUMBER COBREF
    NEXT GROUP COBREF
    OCCURS COBREF
    ORGANIZATION COBREF
    OVERLINE COBREF
    PAGE COBREF
    PICTURE COBREF
    POINTER COBREF
    PROMPT COBREF
    RECORD COBREF
    RECORD CONTAINS COBREF
    RECORDING MODE COBREF
```

REDEFINES COBREF RENAMES COBREF REPORT COBREF REQUIRED COBREF REVERSE-VIDEO COBREF SAME COBREF SECURE COBREF SIGN COBREF SIZE COBREF SOURCE COBREF SUM COBREF SYNCHRONIZED COBREF TYPE COBREF UNDERLINE COBREF USAGE COBREF USAGE IS INDEX COBREF VALUE COBREF VALUE OF COBREF WITH DEBUGGING MODE COBREF ZERO-FILL COBREF cleaning up BNU spooling directories MANAGE cleanloc command CMDREF1 cleanup command ADMIN, CMDREF1 clear and redraw screen PS2IN clear area **XWREF** clear command CMDREF1 clear instructions assembler **PRGTOOL** clear subroutine TECHREF1 clear window xwref clearerr macro TECHREF1 clearing a file INTREF a file lock INTREF an area XWREF an inode CMDREF1 areas **XWREF** screen **PS2TEXT** clearok subroutine TECHREF1 client actions **XWREF** definition TCPGDE, XWREF kill **xwref** properties **XWREF** responses **XWREF** saveset, add window to xwref saveset, remove window from **XWREF** client interface, Yellow Pages See Yellow Pages client interface ClientMessage **xwref** ClientMessage event xwreF clients, NFS async_daemon system call **MANAGE** defined MANAGE /etc/filesystems, editing **MANAGE**

```
clip box XWREF
clip mask, set XWREF
clip origin, set XWREF
clip rectangles, set
ClipByChildren xwref
clist TECHREF2
clm program INSTPS2, INST370
    tasks performed by INST370
clnt broadcast
subroutine TECHREF1
    IP, pmap_getport TECHREF1
CLOCAL TECHREF2
clock
    alarm INTREF
    analog xwgde
    digital XWGDE
    function PASREF
    interrupt rate, increasing DOSMRG
    location, reading PLNGDE
    rate TECHREF1
    resolution TECHREF1
    setting alarm TECHREF1
    system, setting INTREF
    system, synchronizing INTREF
clock subroutine TECHREF1
close
    a directory TECHREF1
    a file PASREF,
     TECHREF1
    a stream TECHREF1
    an attribute file TECHREF1
    display xwref
    down mode xwref
    log file TECHREF1
    network data base TECHREF1
    network protocol data
     base TECHREF1
    network services data
     base TECHREF1
    procedure PASREF
    session WHIP
CLOSE command USEREF
CLOSE statement FORREF
    DISP parameter COBREF
    in Report Writing facility COBREF
CLOSE system call INTREF
    See also input/output
close system call TECHREF1
close-down mode, set xwreF
close-on-exec flag INTREF
Close, Open session menus
    under terminal emulation ACCGDE
closedir subroutine TECHREF1
closelog subroutine TECHREF1
closemode
    DestroyAll XWREF
    RetainPermanent xwreF
    RetainTemporary XWREF
closepl subroutine TECHREF1
closex system call TECHREF1
```

```
closing
    a file INTREF
    a FILES window USEGDE
    a font xwref
    open windows USEGDE
    windows USEREF
closing macros PS2TEXT
     .AV (approver) PS2TEXT
     .FC (formal closing) PS2TEXT
     .NE (notations end) PS2TEXT
     .NS (notations start) PS2TEXT
     .SG (typist data) PS2TEXT
closing notation macros PS2TEXT
clri command CMDREF1
clrtobot subroutine TECHREF1
clrtoeol subroutine TECHREF1
cluster MBCS
cluster host MBCS
cluster communication facility
 USING
    creating USING
    mesg command USING
    messages
         sending USING
         who can receive using
         who command using
         write command USING
    talk command using
    types USING
    who command USING
    with Base System Program USING
    with Multi-User Services
         confer command USING
    write command USING
cluster id INST370
clustering PS2GIM
clusters ADMIN
    See also TCF clusters
    balancing PLNGDE
    communication TECHREF1
    heterogeneous INST370
    homogeneous INSTPS2
    installation INSTPS2,
     INST370
    maintenance INSTPS2
    restrictions ADMIN
    sites
         definition USING
         determining fastest USING
         displaying load averages USING
         identifying USING
         local USING
         minimum installation INSTPS2
         moving a job USING
         non-local USING
         running a job non-locally
         running a job on fastest
           USING
         topology USING
```

unavailability **USING** TCF connecting **PLNGDE** definition of **PLNGDE** joining **PLNGDE** types of **PLNGDE** clusterstart command CMDREF1, clusterstop command CMDREF1 cmmf command xwref cmp command CMDREF1 CMS - VM File Transfer commands **ADMIN** file names **ADMIN** CMS scripts, loading INST370 CMS SVC trace **DIAG** cob command COBGDE cobaddch routine COBGDE cobaddstr routine COBGDE cobaddstrc routine COBGDE COBATTR COBGDE cobclear routine COBGDE cobcols routine COBGDE COBOL See VS COBOL COCPY COBGDE COBDIR COBGDE cobgetch routine COBGDE COBHELP COBGDE COBIDY COBGDE cobkeymp **COBGDE** coblines routine COBGDE COBLPFORM COBGDE cobmove routine COBGDE COBOPT COBGDE COBPATH COBGDE COBPRINTER COBGDE cobprintf routine COBGDE cobprof **COBGDE** cobrun **COBGDE** cobscroll routine COBGDE COBSW COBGDE cobtidy **COBGDE** CODE clause COBREF code generation **PASGDE** modules in segment PASGDE problems COBGDE rebind xwreF code page MBCS, TECHREF2 overview PS2KEY P0 TECHREF2 P1 TECHREF2 P2 **TECHREF2** switching TECHREF2 301 **MBCS** 850 **MBCS** 897 **MBCS** 932 **MBCS** code page 0

arrangement of PS2KEY character graphic code points PS2KEY code point MBCS, PRGTOOL, TECHREF2 character collation TECHREF1 character conversion PRGTOOL definition **PRGTOOL** extended character PRGTOOL P0 **PS2KEY** CODE-SET clause COBREF codes **DIAG**, **MBCS** See printer codes code page 850 MBCS code page 932 MBCS control Miscellaneous MANAGE printer **MANAGE** double-byte MBCS file MBCS for manipulating data MBCS for representing data MBCS host MBCS ISO 8859-1 **MBCS** keyboard position PS2KEY multibyte MBCS process MBCS Shift-JIS MBCS single-byte MBCS U-JIS MBCS wide MBCS codeset-independent programs PRGTOOL coexistence **PLNGDE** COL WHIP col command CMDREF1 invoked by mm command CMDREF1 colcrt command CMDREF1 collating sequence CMDREF1, CMDREF2, COBGDE, FORREF, MANAGE, MBCS, PASGDE ctab command CMDREF1 li command CMDREF1 ls command CMDREF1 sh command CMDREF2 sort command CMDREF2 collation character **PRGTOOL** equivalence class PRGTOOL extended **PRGTOOL** tables **MBCS** wccollate **PRGTOOL** wceqvmap **PRGTOOL** collector, AIX errors TECHREF1 colon FORREF colon edit-descriptor FORREF color COBREF color cells, allocating xwref DirectColor **XWREF** GrayScale xwreF

PseudoColor **XWREF** color definition table e789 option WHIP color expansion operation TECHREF2 color map attribute TECHREF2 color palette, setting TECHREF2 color names, definition XWGDE color specification XWGDE color table attribute TECHREF2 colorend subroutine TECHREF1 colormap **XWREF** change **XWREF** create **XWREF** default **XWREF** definition DefaultColormap **XWREF** DefaultVisual xwreF DirectColor XWREF GrayScale **XWREF** PseudoColor XWREF StaticColor **XWREF** StaticGray **XWREF** TrueColor **XWREF** XInstallColormap **XWREF** free **xwref** install **XWREF** list installed **xwref** of screen, default xwreF of screen, maximum XWREF of screen, minimum xwref set window **XWREF** uninstall **xwref** ColormapChangeMask xwreF ColormapInstalled xwreF ColormapNotify **XWREF** ColormapNotify event xwreF ColormapUninstalled xwref colorout subroutine TECHREF1 colp keyword TECHREF2 colorplanes, allocate xwreF color allocate **xwref** allocate named xwref allocating **XWREF** change cursor XWREF color **XWREF** free **xwreF** lookup **xwref** parsing **XWREF** query **XWREF** set **XWREF** store **XWREF** store named xwreF colpro command CMDREF1 colrm command CMDREF1 cols function PASREF COLUMN clause COBREF COLUMN NUMBER clause COBREF columns WHIP

```
definition of PS2IN
    major order CGDE,
     FORGDE, FORREF,
     PASGDE
    number specification COBGDE
    selecting equal-width PS2TEXT
    width, setting PS2TEXT
COLUMNS variable TECHREF1
COM PLNGDE
COM pseudo-op PRGTOOL
comb command CMDREF1
COMBINE command USEREF
combined and negated combined condition
 COBREF
combining
    deltas, SCCS CMDREF1
    files USEREF
    total accounting files CMDREF1
comlist command CMDREF1
comm command CMDREF1
comma FORREF
comma operator CREF
command bar description USEGDE
Command Bar key USEGDE
command control word (CCW)
 TECHREF2
command words (GPS) TECHREF2
    arc TECHREF2
    comment TECHREF2
    hardware TECHREF2
    lines TECHREF2
    text TECHREF2
command (C.*) files (BNU)
    definition MANAGE
    detailed information MANAGE
command.com DOSMRG
COMMAND-LINE COBREF
COMMAND-LINE function name COBREF
command-line
    arguments CREF
    conventions COBGDE
    eqn and neqn PS2TEXT
    examples COBGDE
    flag parsing CMDREF1
    passing COBGDE
    switches COBGDE
    syntax COBGDE
    typical PS2TEXT
command-line options CGDE,
COBGDE
    compiler CGDE,
     PASGDE
         modifying FORGDE
         summary FORGDE
    Disassembler FORGDE,
     PASGDE
commands CMDREF1, CMDREF2,
MBCS, PRGTOOL,
PS2GIM
    See also command-line
```

```
See also commands, ATE
See also commands, port
See also commands, BNU
See also commands, TCF
See also commands, TCP/IP
See also commands, vi
See also AIX/370, commands
See also C Language programming
See also communication commands
See also editors
See also filter commands
See also graphics commands
See also maintenance commands
See also Multi-User Services com-
mands
See also programming
See also SCCS, commands
See also system group commands
See also text processing commands
abbreviated forms INST370,
 INSTPS2
ACTIVATE USEGDE,
USEREF
actman MANAGE
add INST370
adding USEREF
adduser MANAGE
AIX USEGDE
aixterm XWGDE
aixwm XWGDE
aix2dos ACCGDE
align COBGDE
ANIMATOR COBGDE
append (a) USING
application USEGDE
arguments USING
as PRGTOOL
at MANAGE
atalk PS2GDE
ATE USING
ATE connect USING
ATTach INST370
backup MANAGE, USING
BACKUP USEREF
bellpost PS2GDE
bg USING
BNU
     ct MANAGE
     cu MANAGE
     user MANAGE
    uucheck MANAGE
    uucico MANAGE
    uucleanup MANAGE
    uucp MANAGE
    uucpd MANAGE
    uulog MANAGE
    uuname MANAGE
    uupick MANAGE
     uusched MANAGE
     uustat MANAGE
```

uuto **MANAGE** Uutry MANAGE uux **MANAGE** uuxqt **MANAGE** break (ATE) **USING** CANCEL USEREF cancelling **USING** CC PRGTOOL CCOMPILE USEREF cd **USEGDE**, USING change INST370 change (c) **USING** CHECK USEREF chgrp **USING** chmod **using** chown **USING** clm INST370 CLOSE USEREF clri **MANAGE** clusterstart **DIAG** CMS ADMIN COMBINE USEREF command interpreter (csh) CMDREF1 COMPARE USEREF COMPILE USEREF conditional **USING** connect **PS2GDE** conventions, SCCS PRGTOOL control case **USING** shell **USING** COPY USEGDE, USEREF correcting typing mistakes in **USING** cp **USING** cpcmd **DIAG** CREATE USEGDE, USEREF cron MANAGE crontab MANAGE CROSSREF USEREF ct (BNU) **USING** ctab **PRGTOOL** cu (BNU) **USING** CUSTOMIZATION USEGDE Data Structures ACCGDE DATE USEREF dcopy MANAGE dd **manage** image backup MANAGE image restore MANAGE defaults **XWGDE** definition of PS2IN, USING delete INST370 DELETE USEGDE, USEREF delete (d) **USING** deleting **USEREF**

```
delrem PS2GDE
DESCRIBE USEREF
devices INST370, INSTPS2,
MANAGE
    prompts INSTPS2
DEVICES USEREF
df manage
dflthost ACCGDE
dfsck MANAGE
dhist DIAG
diff, used as filter USING
directory (ATE) USING
DOS USEGDE
dosread MANAGE
doswhat ACCGDE
doswrite MANAGE
dos2aix ACCGDE
dump MANAGE
e PS2IN
echo USING
edit MANAGE
edit (e) USING
edit (ed) USING
editor MANAGE
em ACCGDE
entering USING
entry PS2TEXT
environment using
ENVIRONMENT USEREF
EREP (CP) DIAG
error log, summary of PRGTOOL
errpt DIAG
/etc/ports MANAGE
ex manage
eXchange COBGDE
execution
    remote host TECHREF1
    environment CMDREF1
exit USING
export USING
exporting variables USING
exrecovr ACCGDE
fast (TCF) USING
fastsite (TCF) USING
ff DIAG
ffill PS2IN
fformat PS2IN
fg USING
file, Disassembler FORGDE,
 PASGDE
file handling ADMIN
file transfer
    ftp TCPGDE
    ftpd TCPGDE
    rcp TCPGDE
    tftp TCPGDE
    tftpd TCPGDE
FILETYPES USEGDE,
 USEREF
fill PS2IN
```

```
find MANAGE
FIND USEREF
FINDTEXT USEGDE,
 USEREF
FREESPACE USEREF
finger (TCP/IP) USING
fjust PS2IN
flags USING
for USING
for maintaining file
 systems ADMIN
format USING
FORMAT USEREF
format, assembler PRGTOOL
FORMATERRORS USEREF
FORMATTRACES USEREF
fsck MANAGE
fsdb MANAGE
ftp (TCP/IP) USING
ftpmail PS2GDE
ftpsrvr PS2GDE
ftpuser PS2GDE
general information xwgdE
getty MANAGE
getuattr ACCGDE
ghost PS2IN
giving ATE commands USING
go COBGDE
grouping symbols
    braces USING
    ( ) USING
    { } USING
help COBGDE
help (ATE) USING
HIDE USEREF
history PS2IN
id MANAGE
if
   USING
information about PLNGDE
INftp PS2GDE
insert (i) USING
INSTALL USEREF
installation PRGTOOL
installation, internal PRGTOOL
installp INST370, INSTPS2,
PRGTOOL
INTERPRET USEREF
interpreters DOSMRG,
 MANAGE
isvirtual ACCGDE
Japanese user ADMIN
jobs ACCGDE
just PS2IN
keyboard specification XWGDE
keycomp XWGDE
keys PS2IN, USEGDE
kill ACCGDE,
USING
    termination message USING
last command, displaying DIAG
```

ld **PRGTOOL** length (ATE USING letter commands COBGDE linefeeds (ATE) **USING** li USEGDE LINK USEREF LINKEDIT USEREF ln **using** lnetstat **DIAG** loads (TCF) **USING** login ACCGDE logname MANAGE LOGOFF USEREF LOGOFF USEGDE LOGOUT ACCGDE lookup COBGDE ls **DIAG**, **USING** mail **MANAGE** makelost+found CMDREF2 mapd2u **ACCGDE** mapu2d **ACCGDE** MasterInstall INST370 mdrc INSTPS2, INST370 mechanism **PLNGDE** MH MANAGE ali **MANAGE** anno MANAGE ap **MANAGE** burst **MANAGE** comp MANAGE conflict MANAGE dist **MANAGE** dp **MANAGE** folder **MANAGE** folders MANAGE forw **MANAGE** inc **MANAGE** install-mh MANAGE mark **MANAGE** mhl **MANAGE** mhmail **MANAGE** mhpath **MANAGE** msgchk MANAGE msh MANAGE next **MANAGE** packf MANAGE pick MANAGE post MANAGE prev MANAGE prompter MANAGE rcvdist MANAGE rcvpack MANAGE rcvstore MANAGE rcvtty MANAGE refile **MANAGE** repl **MANAGE** rmf **MANAGE** rmm **MANAGE** scan MANAGE

```
send MANAGE
     show MANAGE
     slocal MANAGE
     sortm MANAGE
     spost MANAGE
     vmh MANAGE
    whatnow MANAGE
    whom MANAGE
migrate (TCF) USING
minidisks DIAG, INST370,
 INSTPS2
MINIDISKS USEREF
mkalias PS2GDE
mkdir USING
mkfs DIAG, MANAGE
mksalias PS2GDE
mkssites PS2GDE
mm PS2TEXT
mode COBGDE,
PS2TEXT
mount DIAG, MANAGE
MOUNT USEREF
mount device directory ADMIN
move (m) USING
MOVE USEGDE,
USEREF
msgctl ACCGDE
msgget ACCGDE
msgop ACCGDE
mv USING
ncheck MANAGE
network management
     arp TCPGDE
     finger TCPGDE
     fingerd TCPGDE
    host TCPGDE
    hostid TCPGDE
    hostname TCPGDE
     ifconfig TCPGDE
     inetd TCPGDE
     lpd TCPGDE
    named TCPGDE
    netconfig TCPGDE
    netstat TCPGDE
    ping TCPGDE
    rdist TCPGDE
    route TCPGDE
    routed TCPGDE
    ruptime TCPGDE
    rwho TCPGDE
    rwhod TCPGDE
     timed TCPGDE
     timedc TCPGDE
newfile PS2IN
newkernel INSTPS2,
 INST370, MANAGE
news MANAGE
newsite INST370
nm DIAG
nty ACCGDE
```

od **DIAG** on **ACCGDE** onsite (TCF) **USING** OPEN **USEGDE**, USEREF osm **DIAG** parity (ATE) USING parse **XWREF** passwd **using** PASSWORD **USEGDE**, USEREF PATH assignment MANAGE pciinit ACCGDE pdelay (enable delayed ports) MANAGE pdisable (port disable) MANAGE penable (port enable) MANAGE per (CP) **DIAG** perform (ATE) USING pg MANAGE, USING phold (port hold) MANAGE PICK USEREF ping (TCP/IP) USING pr **USING** primrec MANAGE print **USING** print (p) USING PRINT USEGDE, USEREF PRINTQ USEREF printer ACCGDE processing model **USEREF** prtty PS2IN ps **USING** pshare (enable shared ports) MANAGE pstart (start all ports) MANAGE pstat **DIAG** pwd **using** qdisable PS2GDE qenable PS2GDE qftp PS2GDE qhold PS2GDE quit (ATE) USING quit (q) USING qstart **PS2GDE** qstat **PS2GDE** read **using** read (r) **USING** readfile PS2IN readmail **PS2GDE** receive (ATE) USING REFORMAT USEREF remind **PS2GDE** remote conversation talk TCPGDE talkd TCPGDE remote login, command execution, printing

inetd.conf TCPGDE rexec TCPGDE rexecd TCPGDE rlogin TCPGDE rlogind TCPGDE rsh **TCPGDE** rshd TCPGDE telnet TCPGDE telnetd TCPGDE trpt **TCPGDE** /etc/hosts.equiv TCPGDE rmtcp PS2GDE rmtprint **PS2GDE** RENAME USEREF rename (mv) **USING** restore MANAGE, USING RESTORE USEREF RETURN USEREF rm **USING** rmdir **USING** rmhist PS2IN rpl (replace) PS2IN RUN USEREF runacct MANAGE running at a later time CMDREF1 running at a low priority CMDREF2 running at pre-set times MANAGE sar **DIAG** SCCS, summary of **PRGTOOL** selected data item commands COBGDE semctl **ACCGDE** semget ACCGDE semop ACCGDE send (ATE) USING sendmail **PS2GDE** separator **USING** set **USING** setdebug ACCGDE setspath **USING** shift **USING** show INST370 SHOW USEGDE, USEREF showall INST370 showdev INST370 showing **USEREF** shutdown MANAGE, USING site **DIAG** site (TCF) **USING** sort **PS2IN** SORT USEREF SORTMERGE USEREF spost **PS2GDE** sptab (crash) DIAG STARTTRACE USEREF startup **DIAG** stop (ATE) USING stopping **USING** STOPTRACE USEREF

stty **USING** su **MANAGE** substitute (s) **USING** special characters USING substitution **USING** summarizing usage **CMDREF1** SWITCH USEGDE, USEREF sync (system call) MANAGE sysdump **DIAG** system activity package MANAGE system management MANAGE system, from ed USING tapechk **MANAGE** tdigest **PS2IN** telnet (TCP/IP) **USING** terminate (ATE) USING timing **CMDREF2** tlog **MANAGE** tlogger MANAGE to **PS2GDE** TOOLSUPDATE USEREF topology (crash) **DIAG** touch **DIAG** trace **MANAGE** trace, summary of PRGTOOL transfer (t) **USING** trap **USING** uchmod **ACCGDE** udir **ACCGDE** uexec **ACCGDE** ukill **ACCGDE** umount **MANAGE** UNMOUNT USEREF until **USING** UPDATE USEREF updating **USEREF** updatep INST370, INSTPS2 UPDATEP USEREF uren ACCGDE using **USING** USEDSPACE USEREF users **MANAGE** USERS **USEREF** using multiple **USING** uucico **PRGTOOL** uuclean PRGTOOL uucp **PRGTOOL** uucp (BNU) USING uulog PRGTOOL uuname **PRGTOOL** uuname (BNU) **USING** uupick PRGTOOL uupick (BNU) **USING** uustat (BNU) USING uuto **PRGTOOL** uuto (BNU) **USING** uux (BNU) USING uuxqt PRGTOOL uvcp **ADMIN**

```
uwait ACCGDE
    versions PS2IN
    vdrive ACCGDE
    vi ACCGDE,
     MANAGE
    vi, summary PS2TEXT
    vhost ACCGDE
    VM File Transfer ADMIN
    vucp ADMIN
    wall MANAGE
    where shell searches MANAGE
    where (TCF) USING
    while using
    who MANAGE
    with standalone shell MANAGE
    write MANAGE
    write (w) USING
    X XWGDE
    xclock XWGDE
    xhost XWGDE
    xinit XWGDE
    xopen xwgde
commands, ATE
    alter MANAGE
         device MANAGE
         final MANAGE
         initial MANAGE
         length MANAGE
         parity MANAGE
         rate MANAGE
         stop MANAGE
         wait MANAGE
    break using
    change connection
     settings MANAGE
    change data transmission charac-
     teristics MANAGE
    change local settings MANAGE
    connect USING
    directory USING
    echo using
    help using
    length USING
    linefeeds USING
    modify MANAGE
         echo MANAGE
         linefeeds MANAGE
         name MANAGE
         VT100 MANAGE
         write MANAGE
         Xon/Xoff MANAGE
    parity USING
    perform USING
    quit USING
    receive USING
    running shell commands from
     ATE USING
    send USING
    stop USING
    terminate USING
```

```
using USING
    valid initials USING
commands, BNU
    ct using
    cu using
    uucp USING
    uuname USING
    uupick USING
    uustat USING
    uuto USING
    uux USING
commands, port
    devices MANAGE
    pdelay (enable delayed
     ports) MANAGE
    pdisable (port disable) MANAGE
    penable (port enable) MANAGE
    phold (port hold) MANAGE
    pshare (enable shared
     ports) MANAGE
    pstart (start all
     ports) MANAGE
commands, TCF
    fast USING
    fastsite USING
    loads using
    migrate USING
    on USING
    site USING
    where using
commands, TCP/IP
    finger USING
    ftp USING
    ftp subcommands USING
    ping USING
    telnet USING
commands, vi
    abbreviate PS2TEXT
    a, A commands PS2TEXT
    CC PS2TEXT
    Ctrl-D PS2TEXT
    Ctrl-G PS2TEXT
    Ctrl-H PS2TEXT
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```

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     description COBREF
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```

optional division, section, and paragraph headings COBREF program structure COBREF selection of character representation and radix **COBREF** standard alignment rules COBREF statements **PASREF** uniqueness of reference COBREF concurrent groups CMDREF1, **MANAGE** condition evaluation rules COBREF condition name COBREF condition-name condition COBREF condition-name rules COBREF conditional assembly instructions PRGTOOL block assembler PRGTOOL command, running **USING** compilation CREF, FORGDE expressions COBREF, CREF expressions, evaluating CMDREF2 INCLUDE FORGDE jump instructions assembler PRGTOOL sentence COBREF statement COBREF, **CREF** termination FORREF conditionally compiled line VX specifics FORREF config command CMDREF1 configuration MBCS See also customizing AIX Access for DOS Users ACCADM definition of TCPGDE distribution lists PS2GDE error log file PRGTOOL files INST370 finger TCPGDE hardware MBCS information CMDREF1 applying TECHREF1 local mail PS2GDE options vi editor **ACCGDE** procedures PS/2 WHIP procedures RT WHIP minimum PS2GIM remote mail **PS2GDE** software ADMIN, MBCS trace log file PRGTOOL trace profile PRGTOOL utilities key functions WHIP variables TCPGDE /etc/hosts TCPGDE /etc/hosts.equiv **TCPGDE** /etc/networks TCPGDE

```
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```

3278 **INST370** CONSOLE function name COBREF CONSOLE IS CRT clause COBREF CONSOLE window **USEGDE** const CREF pass by **PASREF** parameters CGDE, FORGDE, PASGDE const(reserved word) PASREF constant array declaration FORREF binary (R1 mode) FORREF character FORREF complex FORREF definitions INTREF description of FORREF double-precision FORREF hexadecimal FORREF Hollerith VX specifics FORREF identifier **PASREF** integer FORREF logical FORREF names COBREF octal R1 specifics FORREF VX specifics FORREF optionally signed FORREF pool pointer CGDE, FORGDE, PASGDE real **FORREF** R1 specifics FORREF signed FORREF spaces PS2TEXT unsigned FORREF VX specifics FORREF width macros PS2TEXT width text CMDREF1 constant expression CREF, **PASREF** description of FORREF fixed-form FORREF free-form FORREF minus sign FORREF R1 specifics FORREF VX specifics FORREF constants CREF binary PASREF character CREF table of CREF decimal constant CREF defined by PASREF definition PASREF double CREF exponent CREF floating CREF hexadecimal PASREF hexadecimal constant CREF in link editor command

VM operator **DIAG**

language PRGTOOL int CREF integer CREF literal **PASREF** long CREF octal constant CREF predefined PASREF string **PASREF** structured **PASREF** unsigned PASREF wide character CREF constrained composite widgets xwref constraining events XWREF constraint deallocation xwref destroy procedure xwref initialize procedures XWREF widgets **XWREF** ConstraintClassPart Structure xwreF ConstraintClassRec XWREF ConstraintPart XWREF ConstraintRec **xwref** ConstraintWidget **xwref** ConstraintWidgetClass xWREF constructing a unique file name TECHREF1 the name for a temporary file TECHREF1 cont subroutine TECHREF1 contention definition TCPGDE resolution, definition TCPGDE contents directory TECHREF1 registers **PS2TEXT** save **XWREF** contents indent register PS2TEXT context file MANAGE context file (MH) MANAGE context manager xwref context search **USING** split CMDREF1 with substitute (s) subcommand **USING** context, delete xwref context, find **XWREF** continuation of lines COBREF continue command CMDREF2 CONTINUE statement COBREF CONTINUE statement FORREF continue statement PASREF continue statement CREF continue(reserved word) PASREF control change keyboard XWREF change pointer XWREF characters PS2IN, TECHREF2 definition PS2IN typing PS2TEXT

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    a device INTREF
    an open-file descriptor INTREF
```

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string to binding list **XWREF** string to integer TECHREF1 string to quark XWREF string to quark list **XWREF** text files PS2IN 4.3BSD application programs to AIX TECHREF1 converts keycode to keysym XWREF convert3 converting data files COBGDE error messages **COBGDE** escape **COBGDE** generate program COBGDE parameter file **COBGDE** program modifications COBGDE running **COBGDE** running in batch mode COBGDE running with a parameter file COBGDE tabx program **COBGDE** convert5 error messages COBGDE escape **COBGDE** FD parameter **COBGDE** file conversion process COBGDE file conversion program COBGDE generate program COBGDE help COBGDE IDENTIFIER parameter COBGDE indexed files COBGDE LISTFILE parameter COBGDE PARAMETER file COBGDE printfile name COBGDE PROGRAM parameter COBGDE record number parameters COBGDE reformatting a DG source file COBGDE relative files COBGDE running **COBGDE** sequential files COBGDE source file restrictions COBGDE SOURCEFILE parameter COBGDE SUBROUTINE parameter COBGDE supported data file types COBGDE coordinate modes CoordModeOrigin xwreF CoordModePrevious XWREF coordinates **XWREF** coordinates, translate xwref copies next event, removes it, flushes buffer xwreF coprocessor INSTPS2 adding device for INSTPS2 support **PS2GIM** COPY PLNGDE sign of a number TECHREF1 copy area **XWREF** copy colormap and free xwref copy command CMDREF1, USING for data transfer MANAGE

```
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ACCGDE
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```

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dmft command CMDREF1
dn_comp subroutine TECHREF1
dn_expand subroutine TECHREF1
Do key USEGDE
DO keys PS2IN
DO loop
     description of FORREF
     extended range (VX mode) FORREF
     implied
         VX specifics FORREF
     VX specifics FORREF
DO statement
     extended range (VX mode) FORREF
     VX specifics FORREF
do statement CREF
DO WHILE statement FORREF
do(reserved word) PASREF
DO-END statement WHIP
DOC keyword DIAG
document
     creation PS2GIM
     structure PS2TEXT
     style PS2TEXT
documentation PS2GIM
documenting problems
     incorrect output DIAG
     loading problems DIAG
     Loop DIAG
     Panic DIAG
     supplementary information
     keywords DIAG
     user errors DIAG
     Wait DIAG
dodisk command CMDREF1
```

does backing store XWREF does saveunders xwref DoesBackingStore xwreF DoesSaveUnders xwreF DOIA hot key WHIP dollar sign FORREF, **MANAGE** dollar sign edit-descriptor (R1 and VX mode) FORREF domain definition TECHREF1 domainname command CMDREF1 DOS Access program modules ACCADM accessing AIX storage PS2GIM AIX file differences ACCGDE applications **ACCGDE** applications, using PS2GIM batch commands DOSMRG break characters DOSMRG break checking, setting DOSMRG changing **ACCGDE** commands ACCGDE diskettes MANAGE transferring data MANAGE dosread command MANAGE doswrite command, using MANAGE drive **ACCADM** environment ACCADM error messages AIX file permissions and DOSMRG executable files ACCADM executable programs invoking under AIX DOSMRG expanding enviornment space ACCGDE file system DOSMRG input ACCGDE internal commands **DOSMRG** load images, specifying DOSMRG maximum number ACCGDE operation under DOS Merge explanation of DOSMRG tailoring **DOSMRG** options files DOSMRG output **ACCGDE** pipes ACCGDE processes identifying using the ps command **DOSMRG** terminating **DOSMRG** program extensions and the AIX shell DOSMRG putting applications on a virtual drive **ACCGDE** screen, redrawing DOSMRG search path ACCADM shell **FORGDE**, PASGDE software compatibility ACCADM, PS2GIM

system defaults changing base-level **DOSMRG** under DOS Merge DOSMRG text file format differences from AIX DOSMRG users INSTPS2 volume ACCADM window closing **USEGDE** opening and closing USEGDE without DOS Merge installing DOS application programs under DOSMRG workstations connecting to AIX/370 PLNGDE offloading editing to PLNGDE DOS application programs BASIC DOSMRG booting from drive A, with dosboot command DOSMRG changing configurations DOSMRG default values of DOSMRG defaults with the dosadmin command DOSMRG defaults with the dosopt command **DOSMRG** configuring to use drive J DOSMRG copy protection and DOSMRG database, adding DOS applications to DOSMRG deleting links to DOSMRG displaying current default values **DOSMRG** environment characteristics under DOS Merge DOSMRG file permissions and DOSMRG improving performance DOSMRG installation of on drive C DOSMRG installation without diskette drive system **DOSMRG** installing copy-protected DOSMRG on AIX **DOSMRG** on AIX file system DOSMRG on DOS partition DOSMRG on drive C DOSMRG on drive E DOSMRG on fixed disk DOSMRG on fixed disk with dosadmin command DOSMRG personal with dosadmin **DOSMRG** under DOS without DOS Merge **DOSMRG** with dosadmin command **DOSMRG** with the dosadmin program **DOSMRG** invoking from AIX shell DOSMRG

```
menu DOSMRG
    printing and DOSMRG
    removing from dosadmin
     database DOSMRG
    removing from fixed disk DOSMRG
    running
         copy-protected applica-
          tions DOSMRG
         from AIX programs DOSMRG
         from drive A DOSMRG
         from drive C DOSMRG
         from shell script DOSMRG
         in a virtual terminal DOSMRG
         programs with key
          disks DOSMRG
          simultaneously with AIX
          programs DOSMRG
    scheduling DOSMRG
    stopping DOSMRG
    system defaults under DOS
     Merge DOSMRG
    tailoring DOSMRG
         program defaults DOSMRG
         startup file for DOSMRG
         with the dosadmin
          program DOSMRG
    terminating DOSMRG
    using with DOS Merge DOSMRG
    using with multiple
     directories DOSMRG
dos command
    accessing devices DOSMRG
    attaching devices to DOS DOSMRG
    autoexec.bat file, running DOSMRG
    break checking, setting DOSMRG
    command-line arguments, trans-
     lating DOSMRG
    configuration file,
     interpreting DOSMRG
    current drive, setting initial DOSMRG
    custom devices, specifying DOSMRG
    device specifications,
     canceling DOSMRG
    DOS device, specifying DOSMRG
    DOS image, specifying DOSMRG
    drives and communications ports,
     specifying DOSMRG
    help text, displaying DOSMRG
    memory size, specifying DOSMRG
    printer output, spooling DOSMRG
    stream-oriented and display-
     oriented programs, DOSMRG
     identifying DOSMRG
DOS command line
    arguments, translating DOSMRG
    changing DOS characteristics
     from DOSMRG
DOS commands
    advantages of running from AIX
      shell DOSMRG
```

```
AIX file permissions and DOSMRG
    APPEND DOSMRG
    ASSIGN DOSMRG
    ATTRIB DOSMRG
    basic tasks and DOSMRG
    BREAK DOSMRG
    CHCP DOSMRG
    CHDIR DOSMRG
    CHKDSK DOSMRG
    command.com DOSMRG
    COMP DOSMRG
    COPY DOSMRG
    CTTY DOSMRG
    DATE DOSMRG
    DEL DOSMRG
    differences when issued from AIX
     shell DOSMRG
    DIR DOSMRG
    entering USEGDE
    FASTOPEN DOSMRG
    FDISK DOSMRG
    FORMAT DOSMRG
    FORMAT, restrictions on use DOSMRG
    GRAPHICS DOSMRG
    GRAPHTBL DOSMRG
    how DOS Merge interprets DOSMRG
    intermixing with AIX commands DOSMRG
    internal DOSMRG
    internal, installing DOSMRG
    JOIN DOSMRG
    KEYB DOSMRG
    MERGE DOSMRG
    MKDIR DOSMRG
    MODE DOSMRG
    names shared with AIX DOSMRG
    PATH DOSMRG
    PRINT DOSMRG
    PROMPT DOSMRG
    REN DOSMRG
    repeating USEGDE
    restricted under DOS Merge DOSMRG
    RMDIR DOSMRG
    SELECT DOSMRG
    SET DOSMRG
    SHARE DOSMRG
    SHIP DOSMRG
    STACKS DOSMRG
    SUBST DOSMRG
    SYS DOSMRG
    TIME DOSMRG
    TYPE DOSMRG
    unavailable from AIX prompt DOSMRG
    unavailable from the AIX
     prompt DOSMRG
    unsupported DOSMRG
    using from the AIX shell DOSMRG
    using under DOS Merge DOSMRG
    VERIFY DOSMRG
DOS device file
    See config.sys file
```

DOS distribution files, installing NLSFUNC DOSMRG DOS environment application defaults DOSMRG base-level defaults DOSMRG base-level defaults, changing **DOSMRG** beginning a DOS session DOSMRG changing defaults with the dosadmin program DOSMRG changing disk drives DOSMRG characteristics of **DOSMRG** command line options DOSMRG configurable attributes DOSMRG default characteristics under DOS Merge **DOSMRG** differences under DOS Merge DOSMRG ending a DOS session **DOSMRG** improving DOS performance DOSMRG invoking from the AIX system DOSMRG killing DOS processes DOSMRG memory available for DOS application programs DOSMRG opening a DOS shell DOSMRG path, setting DOSMRG printing DOSMRG quitting DOS DOSMRG running copy-protected application programs DOSMRG running programs from drive A DOSMRG running programs from drive C DOSMRG starting DOS DOSMRG tailoring with the dosadmin program **DOSMRG** user-level defaults DOSMRG DOS environment variables case distinctions when exporting DOSMRG EXPORT DOSMRG placing in the AIX environment DOSMRG UPATH DOSMRG DOS files ACCGDE, MANAGE accessing from AIX shell DOSMRG accessing on diskette from AIX shell **DOSMRG** storage of DOSMRG DOS images creating with the dosadmin program **DOSMRG** definition of DOSMRG hardware changes and DOSMRG remaking **DOSMRG** STACKS command, impact of changing **DOSMRG** DOS memory allocation of, under AIX DOSMRG allocation under AIX and DOS Merge **DOSMRG**

available for DOS processes DOSMRG changing default value with the dosadmin program DOSMRG changing default value with the dosopt command DOSMRG changing from the command line DOSMRG default amount under DOS Merge DOSMRG requirements DOSMRG setting user default for DOSMRG specifying amount from command line **DOSMRG** specifying the default size DOSMRG DOS memory, startup allocating amount DOSMRG changing AIX shell defaults for **DOSMRG** changing allocations for DOSMRG DOS Merge accessing files with **DOSMRG** adding a minidisk to INSTPS2 AIX print spooler DOSMRG commands **PS2GIM** de-installing DOSMRG description **DOSMRG** file names, rules for creating DOSMRG file protection DOSMRG how it works DOSMRG installing **DOSMRG** minidisk requirements INSTPS2, INST370 protection of AIX DOSMRG publications PS2GIM reinstalling **DOSMRG** software architecture DOSMRG system backup DOSMRG DOS Merge commands aix2dos **DOSMRG** dos **DOSMRG** dosadmin DOSMRG dosboot **DOSMRG** dosopt **DOSMRG** dos2aix **DOSMRG** on **DOSMRG** printer **DOSMRG** quit **DOSMRG** udir **DOSMRG** DOS options assigning with the dosopt command **DOSMRG** changing with the dosadmin program **DOSMRG** changing with the dosopt command **DOSMRG** detailed description of DOSMRG displaying assignments for DOSMRG help screen DOSMRG removing specified assignments DOSMRG restoring defaults **DOSMRG** running autoexec.bat files DOSMRG specifying autoexec.bat files DOSMRG

```
specifying config.sys file DOSMRG
     specifying on DOS command line
     under DOS Merge DOSMRG
DOS partition
     accessing files on DOSMRG
     administering DOSMRG
     changing permissions DOSMRG
     creating DOSMRG
     limited protection of DOSMRG
     permissions DOSMRG
     physical DOSMRG
    protection of DOSMRG
     restricting access to DOSMRG
     seen as an AIX file DOSMRG
     virtual DOSMRG
DOS path
     definition of DOSMRG
     DOS vs. AIX DOSMRG
     effects on the default system
     path DOSMRG
     environment variable, setting DOSMRG
     overriding the default DOSMRG
    precautions DOSMRG
    resetting following removal of
     DOS application programs DOSMRG
     search path, setting DOSMRG
     setting DOSMRG
DOS PRINT command
    under the AIX shell DOSMRG
DOS Server
    definition of INSTPS2
     minidisk requirements INSTPS2,
      INST370
DOS startup file DOSMRG
     See also batch files
     autoexec.bat file and DOS
     Merge DOSMRG
     changing AIX shell defaults
     for DOSMRG
     specifying autoexec.bat files
     with the dosopt command DOSMRG
     specifying the interpretation
     of DOSMRG
     tailoring applications for DOSMRG
dosadmin database
     adding DOS applications to DOSMRG
     removing DOS applications from DOSMRG
dosadmin program
     changing
          config.sys file inter-
          pretation DOSMRG
          DOS options DOSMRG
          individual user
          defaults DOSMRG
          system defaults DOSMRG
     creating
          a virtual DOS
          partition DOSMRG
          DOS images DOSMRG
          virtual diskettes DOSMRG
```

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installing public DOS application program with DOSMRG main menu **DOSMRG** menu for tailoring DOS applications **DOSMRG** specifying DOS startup DOSMRG tailoring DOS application programs with DOSMRG tailoring DOS operation with **DOSMRG** the AIX shell DOSMRG the DOS environment with **DOSMRG** dosboot command DOSMRG DOSCONFIG environment variable DOSMRG dosdel command CMDREF1 dosdev file DOSMRG dosdir command CMDREF1 dosinstall program DOSMRG dosopt command attaching devices to DOS DOSMRG autoexec.bat file, running DOSMRG break checking, setting DOSMRG changing DOS application program defaults with DOSMRG changing DOS defaults with DOSMRG command-line arguments, translating **DOSMRG** configuration file, interpreting **DOSMRG** config.sys file, specifying DOSMRG current drive, setting initial DOSMRG device specifications, canceling **DOSMRG** disk drives, specifying DOSMRG DOS default values under the AIX shell, changing DOSMRG DOS options, displaying assignments of **DOSMRG** DOS options, summary of DOSMRG DOS printer output, spooling to AIX DOSMRG exclusive device access, specifying **DOSMRG** explanation of **DOSMRG** help text, displaying DOSMRG immediate device access, specifying **DOSMRG** memory for DOS processes, specifying **DOSMRG** overriding DOS Merge interpretation of DOS arguments DOSMRG read-only device access **DOSMRG** restoring DOS application program default values DOSMRG setting initial current drive DOSMRG stream-oriented and displayoriented programs, DOSMRG identifying **DOSMRG**

syntax for DOSMRG virtual drives, specifying DOSMRG dosread command CMDREF1 for data transfer MANAGE doswhat **ACCGDE** doswhat command ACCGDE doswrite command CMDREF1 for data transfer MANAGE dos2aix **ACCGDE** dos2aix command ACCGDE, DOSMRG for data transfer MANAGE DOS/AIX commands character conflicts in DOSMRG dot notation, Internet TECHREF1 dot (current line) USING dots files PS2IN dotted decimal definition of TCPGDE double CREF double acute accent character PS2KEY, TECHREF2 Double Byte Character Set (DBCS) support DOUBLE COMPLEX FORGDE DOUBLE COMPLEX (R1 and VX modes) **FORREF** DOUBLE PRECISION FORREF, FORGDE double quote FORREF double quote delimiter PS2TEXT double-clicking **xwgDE** double-clicking, definition XWGDE double-complex data representation **FORGDE** double-indirection block ADMIN double-precision constant FORREF data representation FORGDE data type FORREF exponent FORREF double-strike printing PRGTOOL Double value parameter, Pascal FORGDE, PASGDE double-indirect block MANAGE double-precision shift instructions assembler **PRGTOOL** double-strike printing MANAGE, **PRGTOOL** double-wide printing MANAGE dounctrl subroutine TECHREF1 doupdate subroutine TECHREF1 down mode, set close xwreF download files WHIP downto(reserved word) PASREF dp command CMDREF1, MANAGE dpc keyword **TECHREF2** drafts, message (MH) MANAGE drand48 subroutine **TECHREF1** draw

```
arc XWREF
     arcs XWREF
     image string XWREF
     image string16 xwref
     line xwref
     lines XWREF
    point XWREF
    points XWREF
    rectangle xwref
     rectangles XWREF
     segments XWREF
     string XWREF
     string16 XWREF
     text XWREF
     text16 xwref
drawable, definition xwreF
drawbox subroutine TECHREF1
drawing
    areas XWREF
     arcs XWREF
         XDrawArc XWREF
         XDrawArcs XWREF
     characters PS2TEXT
     drawing areas xwreF
     drawing lines XWREF
     functions,
     compatibility XWREF
     graphics routines XWREF
     lines PS2TEXT,
     XWREF
    points XWREF
        XDrawPoint XWREF
        XDrawPoints XWREF
    rectangles XWREF
     segments XWREF
     strings XWREF
     text XWREF
     text characters XWREF
drive C DOSMRG
drive D DOSMRG
drive E DOSMRG
drive F DOSMRG
drive J
     configuring DOS applications to
     use DOSMRG
     using to access overlay files DOSMRG
     working directory DOSMRG
drive types INST370
driver
     event-tracing TECHREF2
     format, message TECHREF2
     support routines,
     RTIC TECHREF2
drivers
     See also special files
     console device TECHREF2
    hft TECHREF2
    virtual terminal
     device TECHREF2
DS PS2GIM
```

```
DSECT WHIP
DSECT option PRGTOOL
DSECT pseudo-op PRGTOOL
DSF (Device Support Facility) DIAG,
 PLNGDE
dsp keyword TECHREF2
dspcat command CMDREF1, MBCS
dspmsg command CMDREF1, MBCS
dsps keyword TECHREF2
DTE attachment PS2GIM
DTMVIX line driver ADMIN
dtom kernel subroutine TECHREF2
du command CMDREF1, PLNGDE
dumb terminals
    See fixed-function terminals
dummy argument
    array declaration FORREF
    parameters PASREF
    procedure FORREF
    VX specifics FORREF
dummy sections PRGTOOL
dump command CMDREF1, PLNGDE
dump file minidisk INSTPS2
dump minidisk INSTPS2, PLNGDE
dump to diskette command MANAGE
dumpbsd command CMDREF1
dumpfs command CMDREF1
dumps
     AIX Operating System MANAGE
     AIX PS/2 Operating System PRGTOOL
     AIX PS/2 kernel dumps DIAG
         to diskettes DIAG
          to hard disk DIAG
     analyzing with crash DIAG
     copying to a file DIAG
     CORE dumps DIAG
     CP dumps DIAG
     crash display session DIAG
     crash output, directing
     the DIAG
     crash session, ending DIAG
     crash session, starting DIAG
     displaying status
      information DIAG
     displaying /dev/dump DIAG
     dump partitions
         defining DIAG
         definition of DIAG
          enabling dump writing DIAG
         maintaining DIAG
     files, maintaining, command for
       PLNGDE
     handling sequence DIAG
     initiating, command for PLNGDE
     kernel dumps DIAG
     kernel maps, producing DIAG
     non-fatal system DIAG
     object file PLNGDE
     octal CMDREF2
     operation MANAGE, PRGTOOL
```

operator-requested DIAG overview of **DIAG** Panic dumps **DIAG** printing **DIAG** space, allocating, guidelines for PLNGDE sysdump command DIAG types of **DIAG** user-forced **DIAG** viewing **DIAG** /dev/dump **PLNGDE** DUP system call INTREF See also input/output dup system call TECHREF1 with TCF TECHREF1 duplicate alternate keys COBREF duplicate blocks ADMIN duplicating See also copying, files a file descriptor INTREF an open file descriptor TECHREF1 text **PS2TEXT** DUP2 system call INTREF See also input/output dup2 system call **TECHREF1** with TCF TECHREF1 Dutch keyboard layouts PS2KEY keyboard tables PS2KEY dvam keyword TECHREF2 dwp keyword TECHREF2 dwps keyword TECHREF2 DXD PLNGDE DXD pseudo-op PRGTOOL d+ command-line option dynamic allocation FORGDE dynamic variables PASREF dynamically loadable native code COBGDE loaded code COBGDE loaded programs COBGDE +---+ E e command PS2IN, PS2TEXT e command-line option FORGDE E drive **DOSMRG** See also DOS partition E edit-descriptor FORREF e epsym flag COBGDE e, E commands PS2TEXT e macro **MANAGE** ebax command ADMIN **EBCDIC** characters MBCS

character set TECHREF2

```
e789paex command WHIP
     e789paex command option WHIP
     fxfer command option WHIP
     fxfer function option WHIP
     hot key WHIP
     Operator Information Area WHIP
     terminal emulator option WHIP
     translation tables WHIP
     translation to ASCII WHIP
ebxa command CMDREF1
ecactp subroutine TECHREF1
ecadpn subroutine TECHREF1
ecaspn subroutine TECHREF1
ecblks subroutine TECHREF1
ecbpls subroutine TECHREF1
ecbpns subroutine TECHREF1
ecdfpl subroutine TECHREF1
ecdppn subroutine TECHREF1
ecdspl subroutine TECHREF1
ecdvpl subroutine TECHREF1
ecflin subroutine TECHREF1
ECHO TECHREF2
echo command CMDREF1
echo command (ate) MANAGE,
USING
echo map (hft) TECHREF2
echo request TCPGDE
echo subroutine TECHREF1
ECHOE TECHREF2
ECHOK TECHREF2
ECHONL TECHREF2
ecpnin subroutine TECHREF1
ecrfpl subroutine TECHREF1
ecrfpn subroutine TECHREF1
ecrlpl subroutine TECHREF1
ecrmpl subroutine TECHREF1
ecscpn subroutine TECHREF1
ecshpl subroutine TECHREF1
ectitl subroutine TECHREF1
ecvt subroutine TECHREF1
ed
     append subcommand USING
     buffer
          absolute position USING
          changing position in USING
          context searching USING
          finding position in USING
         locating text USING
         moving backward more than one USING
         moving backward one using
         moving forward more than one USING
         moving forward one USING
         relative position USING
     change (c) subcommand USING
         replacing a single USING
         replacing multiple USING
     changing a single line USING
     changing multiple lines USING
     changing position in
     buffer using
```

absolute position USING relative position **USING** changing strings every occurrence USING on a line **USING** on multiple lines USING character strings, replacing **USING** command edit (ed) **USING** context searching **USING** backward **using** changing direction **USING** changing direction of USING forward **USING** same string search, backward USING same string search, forward USING with insert (i) subcommand USING with substitute (s) subcommand USING copy lines USING to bottom of buffer USING to top of buffer USING correcting typing errors USING creating text files **USING** steps **USING** current line USING changing **USING** displaying **USING** substitutions on **USING** delete (d) subcommand **USING** deleting a specific line USING deleting current line USING deleting multiple **USING** deleting a specific line **USING** current line USING multiple lines USING displaying text **USING** dot (current line) USING edit (ed) command **using** edit (e) subcommand **USING** files reading **USING** finding position in buffer **using** global (g) operator USING insert (i) subcommand **USING** context search with USING using line numbers with USING inserting lines **USING** using line numbers USING leaving the program **USING** lines copying **USING** replacing **USING** locating text **USING** making substitutions on a specific line **USING** on multiple lines USING on the current line USING

```
move (m) subcommand USING
moving text USING
    to bottom of buffer USING
    to top of buffer USING
multiple line
substitutions USING
multiple lines USING
    deleting USING
print subcommand USING
quit (q) subcommand USING
read (r) subcommand using
reading files
    edit (ed) command USING
    subcommands USING
removing characters with USING
removing lines USING
replacing
     a single line USING
     character strings USING
     lines USING
     multiple lines USING
saving text USING
    different file name using
    part of a file USING
    same file name USING
saving text files USING
    steps USING
search direction
    changing USING
special characters
    substitute (s) subcommand USING
specific line USING
    substitutions on USING
starting USING
subcommands
    append (a) USING
    change (c) USING
    delete (d) USING
    edit (e) USING
    insert (i) USING
    move (m) USING
    print (p) USING
    quit (q) USING
    read (r) USING
    substitute (s) USING
    transfer (t) USING
    write (w) USING
substitute (s)
 subcommand USING
    context search with USING
    line beginning USING
    line end USING
    removing characters USING
    substitutions at the beginning
     of a line USING
    substitutions at the end of a
     line USING
system commands USING
text
    displaying USING
```

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```
moving USING
         saving USING
    transfer (t) subcommand USING
         copy to bottom of
         copy to top of buffer USING
    typing errors, correcting USING
    using USING
    warnings
         saving buffer contents USING
         write (w) subcommand USING
    write (w) subcommand USING
         warning USING
ed command CMDREF1
ed (edit) command using
edata TECHREF1
edcompatible option PS2TEXT
edconfig command CMDREF1
edconfig program MANAGE
edconfig.hf file MANAGE
edit buffer USING
edit command CMDREF1
edit (ed) command using
edit (e) command PS2IN, USING
edit (e) subcommand USING
edit mode COBGDE
edit-descriptor
    Α
         R1 specifics FORREF
    apostrophe FORREF
    BN FORREF
    BZ FORREF
    colon FORREF
    D FORREF
    dollar sign (R1 and VX mode) FORREF
    E FORREF
    F FORREF
    G
         R1 specifics FORREF
         VX specifics FORREF
    H FORREF
    Ι
         R1 specifics FORREF
    L FORREF
    nested format specification FORREF
    nonrepeatable FORREF
    numeric
         R1 specifics FORREF
         VX specifics FORREF
    O (VX mode) FORREF
    P FORREF
    Q (VX mode) FORREF
    repeat factor FORREF
    repeatable FORREF
    R1 specifics FORREF
    S FORREF
    slash FORREF
    SP FORREF
    SS FORREF
    T FORREF
    VX specifics FORREF
```

```
X FORREF
         R1 specifics FORREF
         VX specifics FORREF
editing
    a file USEGDE
    additional files PS2IN
    and creating files USING
    definition of PS2IN
    DOS machine, offloading tasks
     to PLNGDE
    fixed insertion COBREF
    floating insertion COBREF
    editor and data file
     placement PLNGDE
    editor usage, balancing PLNGDE
    guidelines PLNGDE
    large files PLNGDE
    last file PS2IN
    multiple files PS2TEXT
    offloading to a DOS
     machine PLNGDE
    PS/2 cluster host, offloading
     to PLNGDE
    rules COBREF
    simple insertion COBREF
    special insertion COBREF
    specific file PS2IN
    vi editor PLNGDE
    zero suppression COBREF
editing commands
    backspace PS2IN
    centering text PS2IN
    change fonts PS2IN
    changing margins PS2IN
    changing tabs PS2IN
    delete character PS2IN
    delete lines PS2IN
    deleting blocks of text PS2IN
    formatting a paragraph PS2IN
    insert lines PS2IN
    marking text PS2IN
    picking up text PS2IN
    putting down text PS2IN
    selectively replace text PS2IN
editing program
    closing USEGDE
    starting USEGDE
editing sessions
    beginning PS2IN
         accessing files from the File
         accessing files from the
         creating files PS2IN
    ending PS2IN
         discarding changes
                            PS2IN
         saving changes PS2IN
Editor Profile File PS2IN
Editor Search Path screen PS2IN
editorprf file PS2IN
editors
```

```
definition of PS2IN
     ed CMDREF1
     edit CMDREF1
     ex CMDREF1
     for mail USING
     line USING
     profile file PS2IN
     red CMDREF1
     screen PS2IN
     sed CMDREF2
     supported PLNGDE
     vedit CMDREF2
     Vi CMDREF2
     view CMDREF2
     window PS2IN
EDLIN DOSMRG
edquota command CMDREF1
effective group ID
     getting INTREF
     setting INTREF
effective root directory,
 changing TECHREF1
effective user ID TECHREF1
     getting INTREF
     setting INTREF
efficiency, improving DOS DOSMRG
efilename command-line option PASGDE
egrep command CMDREF1
Ej (eject) register PS2TEXT
EJECT PLNGDE
EJECT compiler directive FORGDE
EJECT pseudo-op PRGTOOL
EJECT statement COBREF
electronic mail system
     See mail system
element PASREF
elementary item size COBREF
elements COBREF
else PRGTOOL
ELSE statement FORREF,
else(reserved word) PASREF
else, preprocessor keyword CREF
ELSEIF statement FORREF
em ACCGDE
em command ACCGDE
em dashes PS2TEXT
EM.SES file
     session file ACCGDE
embedded source file options COBGDE
emphasized print PS2TEXT
emphasized printing MANAGE,
 PRGTOOL
empty region XWREF
empty statements PASREF
EMSES ACCGDE
emspke WHIP
emulation
     definition of
                   TCPGDE
     hft TECHREF2
```

```
requirements ACCADM
     terminal TCPGDE
     3278 Model 2 WHIP
     3278 Model 5 WHIP
     3279 Models 2a and 2b WHIP
emulator operation
     insert mode WHIP
     locking/unlocking keyboard WHIP
     program error codes WHIP
     server process WHIP
enable access control XWREF
ENABLE statement COBREF
enable synchronization XWREF
EnableAccess xwreF
     definition XWREF
enabling terminal emulation ports ACCADM
enclosing mathematical
 elements PS2TEXT
encrypt subroutine TECHREF1
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```

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```

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    current screen saver XWREF
    cursor logical terminal interface WHIP
    data logical terminal interface WHIP
```

defaults **XWREF** error database xwreF error database text xwref error text **XWREF** fatal error **XWREF** fatal errors **XWREF** file database xwref font path xwreF font property XWREF geometry **XWREF** icon name xwref image **XWREF** input focus XWREF keyboard control xwref keyboard mapping XWREF keycode mapping xwref modifier mapping XWREF motion events **XWREF** normal size hints XWREF pixel value XWREF pointer control XWREF pointer mapping XWREF procedure **PASREF** property format and atom type **xwref** property size hints xwreF resource **XWREF** resource list xwreF search list xwreF search resource XWREF selection owner xwref selection timeout xwref size hints **XWREF** standard colormap xwref status logical terminal interface WHIP string **XWREF** string address xwreF string at address XWREF string database xwreF subcommand **PS2GDE** subcommand (TCP/IP) USING subimage **XWREF** timeout **XWREF** transient value for window **XWREF** value **XWREF** value of icon sizes xwreF visual information structures **XWREF** window attributes **XWREF** get command **CMDREF1** using **PRGTOOL** GETDTABLESIZE system call INTREF See also process identification GETEGID system call INTREF See also process identification GetEmptyReq macro xwREF GETEUID system call INTREF See also process identification

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GETGID system call INTREF See also process identification GETGROUPS system call INTREF See also process identification GETHOSTID system call INTREF See also process identification GETHOSTNAME system call INTREF See also process identification GETITIMER system call INTREF See also system utilities GETLOCAL system call INTREF See also process identification GetMotionEvents protocol request **XWREF** GETPEERNAME system call INTREF See also sockets GETPGRP system call INTREF See also process identification GETPID system call INTREF See also process identification GETPPID system call INTREF See also process identification GetReq macro xwref GetReqExtra macro xwref GetResReq XWREF gets value of window manager hints atom **XWREF** GETSOCKNAME system call INTREF See also sockets GETSOCKOPT system call INTREF GETTIMEOFDAY system call INTREF See also system utilities getc kernel subroutine TECHREF2 getc macro **TECHREF1** getcb kernel subroutine TECHREF2 getcbp kernel subroutine TECHREF2 getcf kernel subroutine TECHREF2 getch subroutine **TECHREF1** getchar macro TECHREF1 getcwd subroutine TECHREF1 getdtablesize system call **TECHREF1** geteblk kernel subroutine TECHREF2 getegid system call TECHREF1 getenv subroutine TECHREF1 geteuid system call TECHREF1 getfsent subroutine TECHREF1 getfsfile subroutine TECHREF1 getfsspec subroutine TECHREF1 getfstype subroutine TECHREF1 getgid system call TECHREF1 getgrent subroutine TECHREF1 getgrgid subroutine TECHREF1 getgrnam subroutine TECHREF1 getgroups system call **TECHREF1** gethostid socket system call **TECHREF1** gethostname socket system call **TECHREF1**

getitimer system call TECHREF1 getlocal system call TECHREF1 with TCF TECHREF1 getlogin subroutine TECHREF1 getlong subroutine TECHREF1 getmntent routine TECHREF1 with TCF **TECHREF1** getnetbyaddr subroutine TECHREF1 getnetbyname subroutine TECHREF1 getnetent subroutine TECHREF1 getopt command CMDREF1 getopt subroutine TECHREF1 getpass subroutine TECHREF1 getpeername socket system call **TECHREF1** getpgrp system call TECHREF1 getpid system call TECHREF1 getppid system call TECHREF1 getpriority system call TECHREF1 getprotobyname subroutine TECHREF1 getprotobynumber subroutine **TECHREF1** getprotoent subroutine TECHREF1 getpw subroutine TECHREF1 getpwent subroutine TECHREF1 getpwnam subroutine TECHREF1 getpwuid subroutine TECHREF1 getrlimit system call TECHREF1 getrusage system call TECHREF1 gets subroutine **TECHREF1** getservbyname subroutine TECHREF1 getservbyport subroutine TECHREF1 getservent subroutine TECHREF1 getshort subroutine TECHREF1 getsites system call TECHREF1 with TCF TECHREF1 getsockname socket system call **TECHREF1** getsockopt socket system call **TECHREF1** getspath system call TECHREF1 getstr subroutine TECHREF1 gettext command CMDREF1 gettimeofday system call TECHREF1 getting a file lock INTREF a file status flag INTREF a file-creation-mode mask INTREF a GC xwref a group access list INTREF a message-queue ID INTREF a process group ID INTREF a process ID INTREF a process ID of a parent INTREF a real group ID INTREF a real user ID INTREF a semaphore INTREF a semaphore ID INTREF a semaphore value INTREF

a shared-memory ID INTREF a socket name INTREF an alias INTREF a string from a stream **TECHREF1** an effective user ID INTREF an image **XWREF** atom name **XWREF** character or word from stream TECHREF1 class hint xwreF colormaps **XWREF** data from storage xwref databases xwref defaults xwreF descriptor-table size INTREF file-system information INTREF file system statistics TECHREF1 font path xwreF font paths XWREF fonts **XWREF** group file entry TECHREF1 group IDs TECHREF1 help **USEREF** help **USEGDE** help using ATE USING icon name xwreF icon sizes xwref images **XWREF** input focus xwref keyboard control xwref keyboard mapping XWREF login name TECHREF1 mail **USING** message queue identifier TECHREF1 modifier mapping XWREF motion events **XWREF** names and classes xwref names from name list TECHREF1 normal hints **XWREF** option letter from argument vector **TECHREF1** password file entry TECHREF1 path name of current directory TECHREF1 pixel values XWREF pointer control XWREF pointer mapping XWREF process IDs TECHREF1 process limits INTREF process times INTREF properities and atoms XWREF property **XWREF** resources **XWREF** resources from database **XWREF** screensaver xwref selection owner xwref sized hints xwreF socket options INTREF

```
starting with
     X-Windows XWGDE
    the atom name xwref
    the close-on-exec flag INTREF
    the current host ID INTREF
    the current-host ID INTREF
    the geometry xwref
    the name of a terminal TECHREF1
    the time INTREF
    the UNIX version string INTREF
    time TECHREF1
    transient atom XWREF
    transient hints xwreF
    user IDs TECHREF1
    user information INTREF
    user name TECHREF1
    visual information XWREF
    window attributes XWREF
    window classes XWREF
    window data XWREF
    window geometry XWREF
    window name XWREF
    window properities and
     atoms XWREF
    window property XWREF
    WMHints XWREF
    zoomed hints xwreF
gettmode subroutine TECHREF1
getty
    speed and terminal
     setting TECHREF2
getty command CMDREF1, MANAGE
gettydefs file-format TECHREF2
getuattr ACCGDE
GETUID system call INTREF
    See also process identification
getuid system call TECHREF1
getuinfo subroutine TECHREF1
getutent subroutine TECHREF1
getutid subroutine TECHREF1
getutline subroutine TECHREF1
getw subroutine TECHREF1
getwd subroutine TECHREF1
GetWindowAttributes protocol
request XWREF
getxperm system call TECHREF1
GETXVERS system call INTREF
    See also system utilities
getxvers system call TECHREF1
getyx subroutine TECHREF1
get_howflip subroutine TECHREF1
gfs (global file system) PLNGDE
    in /etc/filesystems
     stanza MANAGE
    numbers ADMIN,
     CMDREF2, DIAG,
     MANAGE, TECHREF2
    numbers displayed by df command CMDREF1
    pack numbers CMDREF1
gfspack (global file system pack number)
```

CMDREF2 gftopk command xwref gftype command xwreF ghost command PS2IN giving commands (ATE) GLOBAL Clause COBREF global file system (gfs) See gfs (global file system) global information COBGDE global names COBREF global scope FORREF global symbols in link editor command language **PRGTOOL** global table parameters PS2TEXT global (g) operator **USING** global variables PASREF glyph cursor, create xwreF qlyphs **TECHREF2** gmtime subroutine TECHREF1 go command **COBGDE** go to bottom of file PS2IN specific line PS2IN top of file PS2IN GO TO key PS2IN GO TO statement COBREF GOBACK statement COBREF GOTO statement assigned FORREF computed VX specifics FORREF unconditional FORREF goto statement CREF goto statements PASREF goto(reserved word) PASREF goto, nonlocal TECHREF1 GPOFF format FORGDE GPOFF format PASGDE GPOFF format **CGDE** gprof command CMDREF1 GPS (graphic primitive strings) command words TECHREF2 arc TECHREF2 comment TECHREF2 hardware **TECHREF2** lines TECHREF2 text TECHREF2 format **TECHREF2** types of data TECHREF2 arc **TECHREF2** comment **TECHREF2** hardware TECHREF2 lines TECHREF2 text TECHREF2 grab button xwref change active pointer xwref key **xwref** keyboard **xwref**

```
pointer XWREF
    server XWREF
grabbing
    a key xwref
    button xwref
    key xwref
    keyboard xwref
    pointer XWREF
    server xwref
    the keyboard xwreF
    the pointer xwref
    the server xwref
GrabFrozen xwreF
GrabInvalidTime XWREF
GrabKey protocol request xwref
GrabKeyboard protocol request xwreF
GrabNotViewable xwreF
GrabPointer protocol request xwreF
graph command CMDREF1
graphic character, definition
of PS2IN
graphic output file
format TECHREF2
graphic primitive strings (GPS)
    See GPS
Graphic Subroutine Library
    minidisk requirements
                          INSTPS2,
     INST370
Graphic Support Library (GSL)
    See GSL
graphic symbols TECHREF2
graphics
    codes, printer MANAGE,
     PRGTOOL
    contents XWREF
    context or state XWREF
    context, definition XWREF
    exposures, set XWREF
    font PS2IN
    functions XWREF
    interface TECHREF2
    resource functions XWREF
    resource routines
         DirectColor xwref
         PseudoColor xwref
    routines XWREF
    support PS2GIM
graphics commands
    graph CMDREF1
    spline CMDREF2
    tplot CMDREF2
Graphics Support Library
    See GSL
GraphicsExpose
    XCopyArea XWREF
    XCopyPlane XWREF
GraphicsExpose event xwref
GraphicsExposure event xwreF
graphing
    external references CMDREF1
```

```
graph, system activity CMDREF2
grave accent character PS2KEY,
TECHREF2
GravityNotify xwreF
GravityNotify event xwref
GrayScale xwreF
greater than
    or equal to FORREF
Greek
     alphabet PS2TEXT
     characters TECHREF2
     characters, listing PS2TEXT
greek command CMDREF1
greek facility TECHREF2
Gregorian calendar CMDREF1
grep PRGTOOL
    defining string
     patterns PRGTOOL
    extended grep (egrep) PRGTOOL
    fast grep (fgrep) PRGTOOL
    wildcard PRGTOOL
grep command CMDREF1
GRID Clause COBREF
group
    adding CMDREF1
    changing CMDREF1
    deleting CMDREF1
    ownership, manage ADMIN
group access list TECHREF1
    getting INTREF,
     TECHREF1
    setting INTREF,
     TECHREF1
group command ADMIN
GROUP directive PRGTOOL
    syntax PRGTOOL
group file TECHREF2
    entry, obtaining TECHREF1
group ID
    changing CMDREF2
    displaying CMDREF1
    effective INTREF,
     PRGTOOL
    of a file, changing TECHREF1
    process INTREF
    real INTREF,
     PRGTOOL
    setting TECHREF1
    setting for a process TECHREF1
    translation TECHREF1
group identification
    See group ID
group IDs and names
    See group ID
GROUP INDICATE clause COBREF
group membership CMDREF1
group name
    shown by 1s USING
group permissions USEGDE
grouping, mathematical
```

```
expressions PS2TEXT
groups
     adding MANAGE
     changing information
     about MANAGE
     concurrent MANAGE
     creating MANAGE
     deleting MANAGE
     GID MANAGE
     group file MANAGE
     group 0 (zero) MANAGE
     name MANAGE
     number MANAGE
         GID MANAGE
          in /etc/passwd MANAGE
     of files, working with USEGDE
     password MANAGE
     permission list MANAGE
     system MANAGE
     system advantages MANAGE
groups command CMDREF1
grpck command CMDREF2
gsbply subroutine TECHREF2
gscarc subroutine TECHREF2
gscatt subroutine TECHREF2
gsccnv subroutine TECHREF2
gscir subroutine TECHREF2
gsclrs subroutine TECHREF2
gscmap subroutine TECHREF2
gscrca subroutine TECHREF2
gsdjply subroutine TECHREF2
gseara subroutine TECHREF2
gsearc subroutine TECHREF2
gsecnv subroutine TECHREF2
gsecur subroutine TECHREF2
gsell subroutine TECHREF2
gseply subroutine TECHREF2
gsevds subroutine TECHREF2
gseven subroutine TECHREF2
gsevwt subroutine TECHREF2
gsfatt subroutine TECHREF2
gsfci subroutine TECHREF2
gsfell subroutine TECHREF2
gsfply subroutine TECHREF2
gsfrec subroutine TECHREF2
gsgtat subroutine TECHREF2
gsgtxt subroutine TECHREF2
gsignal kernel
 subroutine TECHREF2
gsignal subroutine TECHREF1
gsinit subroutine TECHREF2
GSL (Graphics Support Library) INSTPS2
  PS2GIM, TECHREF2
     attributes TECHREF2
     error codes TECHREF2
gslatt subroutine TECHREF2
gslcat subroutine TECHREF2
gsline subroutine TECHREF2
gslock subroutine TECHREF2
gslop subroutine TECHREF2
```

```
gsmask subroutine TECHREF2
gsmatt subroutine TECHREF2
gsmcat subroutine TECHREF2
gsmcur subroutine TECHREF2
gsmult subroutine TECHREF2
qspcls subroutine TECHREF2
gsplym subroutine TECHREF2
gspoly subroutine TECHREF2
gspp subroutine TECHREF2
gsqdsp subroutine TECHREF2
gsqfnt subroutine TECHREF2
gsqgtx subroutine TECHREF2
gsqlext subroutine TECHREF2
gsqloc subroutine TECHREF2
gsrrst subroutine TECHREF2
gsrsav subroutine TECHREF2
gstatt subroutine TECHREF2
gsterm subroutine TECHREF2
gstext subroutine TECHREF2
gsulns subroutine TECHREF2
gsunlk subroutine TECHREF2
gsxblt subroutine TECHREF2
gsxcnv subroutine TECHREF2
gsxptr subroutine TECHREF2
gsxtat subroutine TECHREF2
gsxtxt subroutine TECHREF2
gtty system call TECHREF1
guest machines, connecting ADMIN
guest system console PLNGDE
guidelines
    creating additional
     windows PS2IN
    naming a file PS2IN
    replacing text PS2IN
    writing shared library
     code PRGTOOL
g+ command-line option CGDE
GXcopy
    AllPlanes XWREF
g32_alloc whip
g32_close WHIP
g32_dealloc WHIP
g32_get_cursor WHIP
g32_get_data WHIP
g32_get_status WHIP
g32_nofify WHIP
g32_open WHIP
g32_openx WHIP
g32_read whip
g32_sampl WHIP
qa32 search WHIP
g32_send_keys WHIP
g32_test WHIP
g32_write WHIP
g32_3270 WHIP
G32ALLOC WHIP
G32DLLOC WHIP
G32READ WHIP
G32WRITE WHIP
```

+---+ | H | +---+ h command PS2TEXT H edit-descriptor FORREF h+ command-line option FORGDE half-width characters MBCS halt command CMDREF1 halt procedure PASREF handle IO error XWREF handler, set error xwreF handling common BNU problems copied files (BNU) using diskettes and tape USEREF errors **XWREF** faulty ACUs and modems MANAGE full spooling directories MANAGE geometry **XWREF** login failures MANAGE outdated Systems file MANAGE output buffer and event queue **xwref** untransferred files MANAGE hands, keyword **xwgDE** hangman game CMDREF1 hard link ADMIN, MANAGE hard wait **DIAG** hardtabs option PS2TEXT hardware MBCS definition of DIAG errors **DIAG** errors, information on PLNGDE for Japanese locales MBCS I/O MBCS overview of BNU MANAGE prerequisites TCPGDE PS/2 MBCS PS/55 MBCS supported PS2GIM System/370 MBCS 3800-8 **MBCS** 3820 **MBCS** 3827 **MBCS** 3835 **MBCS** 5227 **MBCS** 5327 **MBCS** 5550 **MBCS** 5575 **MBCS** hardware devices changing **DOSMRG** typical diagram of PLNGDE 8232 channel station **PLNGDE** 9370 processor, integrated LAN adapter **PLNGDE** hardware requirements ACCGDE, DOSMRG, PLNGDE

```
for primary site AIX/370 guest
      system PLNGDE
     for PS/2 WHIP
     for RT WHIP
     for secondary site AIX/370 guest
     system on the same
     processor PLNGDE
hardwired entries, BNU Devices
 file MANAGE
hash command CMDREF2
hash tables PRGTOOL, TECHREF1
hashcheck command CMDREF2
hashmake command CMDREF2
hasmntopt routine TECHREF1
    with TCF TECHREF1
has_ic subroutine TECHREF1
Hb (heading break)
 register PS2TEXT
hbound function PASREF
Hc (heading centering)
 register PS2TEXT
hcreate subroutine TECHREF1
HD devinfo structure TECHREF2
hdestroy subroutine TECHREF1
head, of screen manager ring
  TECHREF2
head command CMDREF1
header and footer example PS2TEXT
header files PRGTOOL, TECHREF1,
 TECHREF2
     ctype.h PRGTOOL
     definition of PRGTOOL
    Extended curses PRGTOOL
    grp.h PRGTOOL
    math.h PRGTOOL
    memory.h PRGTOOL
    NLregexp.h PRGTOOL
    pwd.h PRGTOOL
    regexp.h PRGTOOL
     signal.h PRGTOOL
     stdio.h PRGTOOL
     time.h PRGTOOL
     use of PRGTOOL
header flags, SCCS CMDREF1
header macros PS2TEXT
headers PS2TEXT
headers, message (MH) MANAGE
headings PS2TEXT
     appearance PS2TEXT
     control
         centering PS2TEXT
         heading spacing PS2TEXT
         marking styles PS2TEXT
         numbering PS2TEXT
         page breaks PS2TEXT
         type size PS2TEXT
         typeface PS2TEXT
     levels PS2TEXT
heap
```

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```
marking position of PASREF
height
     display XWREF
     in pixels, display
                        XWREF
     of screen xwreF
HeightMMOfScreen xwreF
HeightOfScreen xwreF
help PRGTOOL
     definition PRGTOOL
     displaying PRGTOOL
     file path name
          changing PRGTOOL
          changing for debug PRGTOOL
          default PRGTOOL
     for administration tasks ADMIN
     for error messages PS2IN
     for menus PS2IN
     format PRGTOOL
     header files PRGTOOL
     help file PRGTOOL
         building PRGTOOL
          contents PRGTOOL
     issuing TECHREF1
     messages PS2IN
     retrieving TECHREF1
     routines PRGTOOL
     using PRGTOOL
help command CMDREF1
help command (ATE) USING
HELP key PS2IN,
 USEGDE, USEREF
Help Menu PS2IN
     displaying ACCGDE
     for DOS options DOSMRG
HELP Options screen PS2IN
help pop-ups USEGDE,
USEREF
help screen WHIP
help subcommand (TCP/IP) USING
helper, definition of PS2IN
heterogeneous boxes xwref
heterogeneous clusters INST370,
 PLNGDE
heterogeneous environment
     building programs PRGTOOL
     TCF cluster PRGTOOL
hex code listing FORGDE,
 PASGDE
hex numbers, AIX/370 Assembler
 support for PRGTOOL
hexadecimal constant CREF,
 PASREF
     R1 specifics FORREF
     VX specifics FORREF
hexadecimal editing
     R1 specifics FORREF
     VX specifics FORREF
hexadecimal literals COBREF
hexadecimal representation PASGDE
HF (heading font) string
```

```
register PS2TEXT
hft compatibility with
 RT TECHREF2
hft device ID TECHREF2
hft device, query TECHREF1
HFT driver PS2GIM
hft driver TECHREF2
hft emulation TECHREF2
hft I/O error TECHREF2
hftinit command CMDREF1
hftsmproc command CMDREF1
hft, initial state TECHREF2
hft, remote TECHREF2
Hi (post-heading indent)
 register PS2TEXT
hidden attribute INTREF
hidden bit FORGDE,
 PASGDE
hidden directory ADMIN,
 PLNGDE, TECHREF1
     chhidden system call TECHREF1
     inode type MANAGE
hidden files PS2IN
     definition of PS2IN
     removing ADMIN
hidden parameters in Pascal CGDE,
 FORGDE, PASGDE
HIDE command USEREF
hide/show, definition XWGDE
hide, keyword xwgDE
hiding windows USEREF,
 XWGDE
High Function Terminal
 driver PS2GIM
high water marks ADMIN
high-level languages
 support PLNGDE
highest function PASREF
HIGHLIGHT clause COBREF
highlight, keyword XWGDE
hints, definition XWREF
hints, getting class xwref
Hiragana characters MBCS
history INSTPS2
     display PS2IN
     files INST370
     information, collecting PLNGDE
     of file, definition PS2IN
history (csh subcommand) CMDREF1
history (csh variable) CMDREF1
history command PS2IN
History Display Options
menu PS2IN
history files INST370, INSTPS2,
 TECHREF2
History of File screen PS2IN
hog factor
     computation CMDREF1
     displayed by acctcom command CMDREF1
holes
```

in output sections, creating **PRGTOOL** in physical memory **PRGTOOL** initialized section PRGTOOL making in a file TECHREF1 Hollerith constant VX specifics FORREF Hollerith editing FORREF HOME shell parameter CMDREF2 home directory PS2IN, **USEGDE** definition of DOSMRG, PS2IN, TCPGDE Home key ACCGDE simulation of on an ASCII keyboard **DOSMRG** HOME key PS2IN home position, going to PS2TEXT home 3270 keys TCPGDE homogeneous boxes XWREF homogeneous clusters INSTPS2, PLNGDE hook ID **PRGTOOL** hooking into Xlib XWREF hooks into the library xwref hop count MANAGE definition of TCPGDE, TECHREF2 horizontal spacing COBREF horizontal windows PS2IN host access **XWREF** adding users ACCADM AIX ACCADM assigning Internet addresses ACCADM changing Internet addresses ACCADM code MBCS communications PS2GIM establishing a file services session ACCGDE establishing connection between personal computer and Access program ACCADM file service ACCADM hardware and software ACCADM hardware and software requirements ACCADM identifier TECHREF1 interface session control WHIP installation of adapter ACCADM minimum requirements ACCADM, ACCGDE multiple ACCADM name MANAGE, TECHREF1 operating system requirements WHIP host byte order conversion to network byte order TECHREF1 host command TCPGDE host file service definition ACCGDE switching between ACCGDE Host Interface Adapter WHIP

```
host servers
     starting ACCADM
     stopping ACCADM
host system
     managing ACCADM
     removing users ACCADM
     requirements for RS-232 ACCADM
hostconnect command TCPGDE
hostid command TCPGDE
hostname command TCPGDE
hosts
     adding XWREF
     definition of TCPGDE
     list XWREF
     names TCPGDE
     remove XWREF
     starting AIX Access for DOS Users
      ACCADM
     TCF PLNGDE
hot keys
     CHGDIS WHIP
     DOIA WHIP
     FLASH WHIP
     JOBCTRL WHIP
    NEXT WHIP
     OPENE WHIP
     POREST WHIP
     PRINT WHIP
     QUIT WHIP
     REFRESH WHIP
    REPLS WHIP
     SAVES WHIP
     SHELL WHIP
     XLATE WHIP
hot spot, definition XWREF
housekeep PS2IN
hp command CMDREF1
HP (heading point) string
register PS2TEXT
Hs (heading space)
 register PS2TEXT
hsearch subroutine TECHREF1
hsi keyword TECHREF2
Ht (heading mark type)
 register PS2TEXT
htonl subroutine TECHREF1
htons subroutine TECHREF1
hts keyword TECHREF2
HUPCL TECHREF2
hyperbolic cosine
 function TECHREF1
hyperbolic functions PRGTOOL,
 TECHREF1
hyperbolic sine function TECHREF1
hyperbolic tangent
 function TECHREF1
hyphen command CMDREF1
hyphenated words, finding CMDREF1
hyphenating rules PS2TEXT
hyphenation PS2TEXT
```

hyphenation control PS2TEXT
hyphenation indicator PS2TEXT
hyphens PS2TEXT
hypot subroutine TECHREF1
H_HASCL kernel
subroutine TECHREF2
H3270HOST WHIP
H3270INDFIL WHIP
H3270LANG WHIP
H3270LID WHIP
H3270MAXBUF WHIP
H3270QTIME WHIP
H3270RTIME WHIP

+---+ | I | +---+

i command-line option FORGDE

I edit-descriptor

R1 specifics FORREF

i flag **COBGDE**

i, I commands PS2TEXT

i (include) subcommand PS2GDE

I' attribute **PLNGDE**

i-list layout TECHREF1

i-numbers

allocation TECHREF1

generating names CMDREF2

links to file names **USING**

relationship to file

name **USING**

IBM mode **FORGDE**,

FORREF, PASREF

command-line options PASGDE

IBM Token-Ring **PS2GIM**

IBM Token-Ring Network PC Adapter

installing **ACCGDE**

IBM 4202 font keywords TECHREF2

IBM 5201 font keywords **TECHREF2**

IBM-defined device INSTPS2

adding INSTPS2

IBM Personal Computer Disk Operating

System (DOS)

See DOS

icacmd RTIC support

routine TECHREF2

icafindtask RTIC support

routine TECHREF2

icagetbcb RTIC support

routine TECHREF2

icaintratch RTIC support

routine TECHREF2

icaload command CMDREF1

ICANON PRGTOOL, TECHREF2

icareset command CMDREF1

icarshort RTIC support

routine TECHREF2

```
icarstr RTIC support
routine TECHREF2
icastat RTIC support
routine TECHREF2
icawaittask RTIC support
routine TECHREF2
icawchar RTIC support
routine TECHREF2
icawshort RTIC support
routine TECHREF2
icawstr RTIC support
routine TECHREF2
Icelandic
    keyboard overview PS2KEY
    keyboard tables PS2KEY
iconBitmap, keyword XWGDE
iconFont, keyword XWGDE
iconGeometry, keyword xwgDE
iconify XWREF
iconifyDelta, keyword XWGDE
icons XWREF
    font XWGDE
    font, definition XWGDE
    getting sizes XWREF
    getting names xwref
    size atom, set value xwref
    sizes, get value xwref
    window, definition XWGDE
iconStartup, keyword XWGDE
iconv command CMDREF1, MBCS
icpanic kernel
subroutine TECHREF2
ICRNL TECHREF2
ICTL PLNGDE
ICTL pseudo-op PRGTOOL
id command CMDREF1
ID keywords PRGTOOL
IDAW (indirect address
word) TECHREF2
identical types PASREF
Identification Division
    DATE COMPILED paragraph COBREF
    general description COBREF
    general format COBREF
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   +---+
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```

See also debugging tools kernel dumps DIAG kernel dumps, AIX PS/2 to diskettes DIAG to hard disk **DIAG** Snoop (AIX/370) DIAG 386debugger (AIX PS/2) **DIAG** kernel-level reconciliation ADMIN key combinations ACCGDE definitions for indexed files COBGDE event to ASCII string, maps **XWREF** mapping INST370 names WHIP PC Scancode ACCGDE key assignments DEC VT200 WHIP RT and PS/2 WHIP 3161 **WHIP** key functions alphanumeric characters WHIP character string WHIP hexadecimal values WHIP no function WHIP special emulator keys WHIP key name assignments DEC VT220 WHIP RT WHIP 3161 **WHIP** keybcf utility description COBGDE invoking COBGDE using **COBGDE** keyboard INST370, TECHREF2 Bell Volume XWREF Bit Vector **XWREF** control, change xwref control, get XWREF conversion process COBGDE definition table WHIP diagrams **USEGDE** differences PS2KEY encoding **xwref** features **ACCGDE** grab **XWREF** illustration **USING** input MBCS, TECHREF2 insert mode WHIP interrupt switch COBGDE keyboard layouts PS2KEY keyboard tables PS2KEY Keyclick Volume xwreF layouts Belgian **PS2KEY** Canadian French PS2KEY Danish PS2KEY Dutch PS2KEY French **PS2KEY** German PS2KEY

Icelandic PS2KEY Italian PS2KEY Japanese PS2KEY Latin American PS2KEY Norwegian PS2KEY Portuguese PS2KEY Spanish PS2KEY Swedish PS2KEY Swiss **PS2KEY** UK English PS2KEY US English PS2KEY locking/unlocking WHIP mapping ASCII to PS/2 DOSMRG change **xwref** get **XWREF** refresh XWREF overview PS2KEY position codes PS2KEY redefining CMDREF1 reset WHIP settings **XWREF** specification XWGDE states **PS2KEY** status **COBGDE** tables Belgian **PS2KEY** Canadian French PS2KEY Danish PS2KEY Dutch PS2KEY French PS2KEY German PS2KEY Icelandic PS2KEY Italian PS2KEY Japanese PS2KEY Latin American PS2KEY Norwegian PS2KEY Portuguese PS2KEY Spanish PS2KEY Swedish PS2KEY Swiss **PS2KEY** UK English PS2KEY US English PS2KEY types **USING** ungrab xwreF utility WHIP 101-key US English PS2KEY 102-key **PS2KEY** 106-key Japanese PS2KEY keyboard command CMDREF1 keyboardmode GrabModeAsync xwreF GrabModeSync xwref keycode AnyKey **XWREF** converting from keysym **xwref** definition **XWREF** mapping, get xwref mapping, set **XWREF**

to keysym **XWREF** keyCombination, keyword XWGDE keycomp definition **XWGDE** keycomp **XWGDE** .Xkeymap XWGDE keycomp command keycomp source file XWGDE keycomp source file control statements **XWGDE** keycomp source file items XWGDE KeymapNotify xwreF KeymapNotify event xwref KeymapStateMask xwreF keymap query **XWREF** using XWREF keypad **xwref** keypad subroutine TECHREF1 KeyPress XWREF KeyPress event XWREF KeyPressMask **xwref** KeyRelease **xwref** KeyRelease event xwref KeyReleaseMask xwreF keys Alt **USING** BACKSPACE PS2IN, USING Back Tab **USEGDE** BEGIN LINE PS2IN BOX MARK PS2IN Break **USEGDE** BREAK PS2IN CANCEL PS2IN CENTER PS2IN Command **USEGDE** Command Bar **USEGDE** Ctrl **USING** cursor down PS2IN, USING USING cursor movement PS2IN, USING, **USEGDE** USING cursor up PS2IN, USING DELETE CHAR PS2IN DELETE LINE PS2IN descriptions INST370 Do USEGDE DO PS2IN END LINE PS2IN END OF FILE USING USING, USEGDE Esc **USING** EXECUTE PS2IN EXIT PS2IN FONT PS2IN FORMAT PS2IN GO TO PS2IN grab **xwref** Help USEGDE,

```
USEREF
HELP PS2IN
HOME PS2IN
INSERT LINE PS2IN
  INSERT MODE PS2IN
  INTERRUPT USING
  LAST ARG PS2IN
LEFT PS2IN
  LINES DOWN PS2IN
  LINES UP PS2IN
  LOCAL MENU PS2IN
  Local Menu option PS2IN
Line Advance USEGDE
MARGIN PS2IN
MENU PS2IN
NEXT PS2IN
Next Pane USEGDE
Next Window USEGDE
NEXT WINDOW PS2IN, USING
PAGE DOWN PS2IN
PAGE UP PS2IN
performing special
 functions USING
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PICK UP PS2IN
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Previous Window USEGDE
PRINT PS2IN
PUT COPY PS2IN
PUT DOWN PS2IN
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send, logical terminal interface WHIP
SET TAB PS2IN
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   USING
   USING
   USING
```

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     converting code to
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     keycode xwref
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genprof WHIP logform WHIP mtlaf WHIP tlaf WHIP

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```
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 XWGDE, XWREF
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     configurations and
     performance PLNGDE
     connecting an AIX/370 virtual
     machine to PLNGDE
     device, add INSTPS2
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     of PLNGDE
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lcd subcommand (TCP/IP) USING
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     compilation process CGDE
ldaclose subroutine TECHREF1
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```

ldexp subroutine TECHREF1 ldfcn routines TECHREF1 ldfhread subroutine TECHREF1 ldgetname subroutine TECHREF1 ldlinit subroutine TECHREF1 ldlitem subroutine TECHREF1 ldlread subroutine TECHREF1 ldlseek subroutine TECHREF1 ldnlseek subroutine TECHREF1 ldnrseek subroutine TECHREF1 ldnshread subroutine TECHREF1 ldnsseek subroutine TECHREF1 ldohseek subroutine TECHREF1 ldopen subroutine TECHREF1 ldrseek subroutine TECHREF1 ldshread subroutine TECHREF1 ldsseek subroutine TECHREF1 ldtbindex subroutine TECHREF1 ldtbread subroutine TECHREF1 ldtbseek subroutine TECHREF1 learn command CMDREF1 leave command CMDREF1 leave statements **PASREF** leave(reserved word) PASREF LeaveNotify **XWREF** LeaveNotify event xwreF leaveok subroutine TECHREF1 leaves, definition XWREF leaving ATE **USING** left angle bracket FORREF Left Ctrl key DOSMRG LEFT key PS2IN left margin, definition of PS2IN left parenthesis FORREF left shift operator (<<) **PLNGDE** Left-End field WHIP left-justify PS2TEXT leftButton, keyword XWGDE LEFTLINE clause COBREF length WHIP length command (ate) MANAGE, USING length function PASREF length of nonnumeric literals COBREF LENGTH-CHECK clause COBREF length, event queue xwref lengths line PS2TEXT title line PS2TEXT less than **FORREF** less than or equal to FORREF letter commands animation speed COBGDE back track **COBGDE** break **COBGDE** cancel-all COBGDE cursor name COBGDE cursor position COBGDE do **COBGDE** dump-list COBGDE

```
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    env COBGDE
    examine COBGDE
    exit COBGDE
    go COBGDE
    if COBGDE
    monitor-off COBGDE
    next COBGDE
    next-if COBGDE
    on-count COBGDE
    perform COBGDE
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    query COBGDE
    quit-perform COBGDE
    repeat COBGDE
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         assert PRGTOOL
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```

bessel functions PRGTOOL binary tree functions PRGTOOL C library **PRGTOOL** character functions PRGTOOL header file **PRGTOOL** converting numbers PRGTOOL extended curses TECHREF1 get status information PRGTOOL getting system parameters **PRGTOOL** group access functions PRGTOOL hash table function PRGTOOL hyperbolic functions PRGTOOL including on command line **PRGTOOL** input functions PRGTOOL math **PRGTOOL** including on the command line PRGTOOL memory allocation functions **PRGTOOL** memory functions PRGTOOL output functions PRGTOOL password functions PRGTOOL programmers workbench TECHREF1 pseudo-random number functions PRGTOOL random number functions **PRGTOOL** run time services PRGTOOL signal functions PRGTOOL sockets **TECHREF1** standard I/O TECHREF1 string functions PRGTOOL string routines PRGTOOL system **PRGTOOL** table management functions **PRGTOOL** time function header file **PRGTOOL** trigonometry functions PRGTOOL with make program PRGTOOL 4.3BSD **TECHREF1** library control **PRGTOOL** COPY statement COBREF description files PRGTOOL files **COBGDE** floating-point FORGDE, **PASGDE** libvsfor.a FORGDE libvssys.a FORGDE libvsfor.a PASGDE libvssys.a **PASGDE** maintainer **CMDREF1** REPLACE statement COBREF search order CGDE, CMDREF1, CMDREF2 subroutines MBCS cobtidy **COBGDE**

```
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     including from program PRGTOOL
    /lib/libc.a PRGTOOL
    /lib/libm.a PRGTOOL
    /lib/libPW.a PRGTOOL
     /lib/librts.a PRGTOOL
    /lib/lib.a PRGTOOL
    /usr/lib/libcurses.a PRGTOOL
    /usr/lib/libcur.a PRGTOOL
    /usr/lib/libdbm.a PRGTOOL
    /usr/lib/libl.a PRGTOOL
    /usr/lib/libqb.a PRGTOOL
    /usr/lib/librts.a PRGTOOL
    /usr/lib/libsd.a PRGTOOL
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FORGDE, PASGDE
    libvssys.a CGDE
libvssys.a CGDE,
FORGDE, PASGDE
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     blocks INSTPS2
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    minidisk size requirements in
     blocks INSTPS2
licensed programs PS2GIM
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    updating USEREF
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    of variables PASREF
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setting TECHREF2
limitations PASGDE
limiting scheduled jobs
 (BNU) MANAGE
limits
    compiler CGDE
    user TECHREF1
LINAGE clause COBREF
LINAGE-COUNTER COBREF
line
    attributes, set XWREF
    buffer mode TECHREF1
    comment FORREF
    compiler-directive FORREF
    conditionally compiled
         VX specifics FORREF
    continuation FORREF
    control preprocessor
     statement CREF
    description of FORREF
    drawing PS2TEXT
    initial FORREF
    mark text PS2IN
    overview of FORREF
    resource, add xwref
```

resource, put XWREF R1 specifics FORREF VX specifics FORREF Line Advance key USEGDE LINE clause COBREF line command CMDREF1 line discipline routines TECHREF2 installing **TECHREF2** switching TECHREF2 line editor CMDREF1 using **USING** line field (BNU Devices file) **MANAGE** LINE NUMBER clause COBREF notation COBREF sequence substitutions COBREF line subroutine TECHREF1 line-sequential files COBGDE linear congruential algorithm **TECHREF1** linear search and update TECHREF1 LineDoubleDash FillOpaqueStippled xwreF FillSolid XWREF FillStippled XWREF FillTiled XWREF linefeeds command (ate) MANAGE, USING linemod subroutine TECHREF1 lines centering **PS2TEXT** concealed PS2TEXT copying **USING** deleting PS2IN, PS2TEXT deleting a line **USING** deleting multiple USING drawing PS2TEXT, XWREF inserting PS2IN joining PS2IN length **PS2TEXT** title **PS2TEXT** number PS2IN numbering **PS2TEXT** numbering filter CMDREF2 number, querying PS2TEXT per page PASGDE recovering **PS2TEXT** replacing **USING** scrolling PS2TEXT scrolling by PS2IN separation PS2TEXT separation, extra PS2TEXT skipping PASGDE spacing PS2TEXT splitting PS2IN substituting PS2TEXT lines attributes line color TECHREF2 line style TECHREF2

LINES DOWN key PS2IN LINES UP key PS2IN LINES variable TECHREF1 linestyles LineDoubleDash XWREF LineOnOffDash xwreF LineSolid **xwref** line_style LineDoubleDash xwreF LineOnOffDash xwREF LineSolid XWREF line2 field (BNU Devices file) **MANAGE** LINK command **USEREF** link command CMDREF1 link count ADMIN link count inconsistencies MANAGE duplicate block MANAGE invalid block MANAGE link editing source files USEREF link editor See also linking command language PRGTOOL using the **PRGTOOL** output file TECHREF2 link library, maintaining CMDREF1 LINK program DOSMRG LINK statements ADMIN link subcommand PS2GDE LINK system call INTREF See also file maintenance link system call TECHREF1 with TCF TECHREF1 linkage area CGDE, FORGDE, PASGDE linkage convention CGDE, FORGDE, PASGDE See also subroutine linkage convention AIX/370, examples of CGDE linkage editor CMDREF1 linkage register conventions, AIX/370 **CGDE** LINKAGE SECTION access COBGDE linkage specifications, AIX/370 **CGDE** LINKEDIT command USEREF linker compilation process on PS/2 FORGDE linking PRGTOOL aligning an output section PRGTOOL allocating in named memory **PRGTOOL** allocation algorithm PRGTOOL archive libraries PRGTOOL binding **PRGTOOL** BLOCK option PRGTOOL COPY option PRGTOOL directives, syntax PRGTOOL

DSECT option PRGTOOL entry points, changing PRGTOOL file specifications PRGTOOL files CMDREF1, USING across file system boundaries **USING** grouping sections PRGTOOL holes in memory PRGTOOL holes in output sections PRGTOOL ifiles PRGTOOL incremental PRGTOOL initialized section holes **PRGTOOL** input directives, syntax PRGTOOL Interface Library to FORTRAN INTREF Interface Library to Pascal INTREF link editor command language PRGTOOL link editor, using the PRGTOOL loading sections at specified addresses PRGTOOL memory configuration PRGTOOL NOLOAD option PRGTOOL non-relocatable files PRGTOOL object files **PRGTOOL** CC CMDREF1 ld **CMDREF1** vs CMDREF2 on command on the virtual drive ACCGDE SECTIONS directive PRGTOOL sections, defining PRGTOOL symbols, creating at link time **PRGTOOL** links creating **TECHREF1** definition **DOSMRG**, USING deleting DOS application programs **DOSMRG** for VM system disks PLNGDE hard and symbolic ADMIN operation **USING** removing **USING** symbolic **PLNGDE** to DOS program names DOSMRG linstall INSTPS2, INST370 tasks performed by INST370 lint PRGTOOL creating a library PRGTOOL debugger (to find portability problems) **PLNGDE** flags PRGTOOL library description files **PRGTOOL** operation PRGTOOL lint command CMDREF1 syntax PRGTOOL lisp option PS2TEXT

LISP programs PS2TEXT list begin macros PS2TEXT customizing PS2TEXT end macro PS2TEXT extensions **XWREF** fonts **XWREF** fonts with info xwref fonts with information XWREF free-block TECHREF1 hosts **XWREF** installed colormaps **XWREF** items **PS2TEXT** of database levels, return **XWREF** of hosts **xwref** option PS2TEXT properties **XWREF** start macros PS2TEXT to output device CGDE list item macro PS2TEXT list items, macros PS2TEXT .AL (alphabetical list) **PS2TEXT** .BL (bulleted list) PS2TEXT .DL (dashed list) PS2TEXT .LB (list-begin) PS2TEXT .LE (list end) **PS2TEXT** .ML (marked list) PS2TEXT .RL (reference list) PS2TEXT .VL (variable-item list) **PS2TEXT** list-directed input value FORREF listen for socket connection TECHREF1 LISTEN system call INTREF See also sockets listen system call **TECHREF1** listening for socket connections INTREF LISTFILE parameter COBGDE listing absolute address FORGDE cross-reference FORGDE directory contents **USING** di **CMDREF1** li CMDREF1 ls **CMDREF1** DOS directory contents CMDREF1 file names for a file system **CMDREF1** files **DOSMRG** font information **XWREF** fonts **XWREF** format **COBGDE** hex code FORGDE properties **XWREF** raw data FORGDE to standard output device FORGDE statistics for a file system **CMDREF1**

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    variable type FORGDE
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    EJECT statement COBREF
    SKIP1, SKIP2, SKIP3 statements COBREF
    TITLE statement COBREF
listing file CGDE,
FORGDE
    absolute address PASGDE
    blanks in PASGDE
    file PASGDE
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    listing off, compiler directive PASGDE
    listing on, compiler directive PASGDE
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    standard output device PASGDE
    titles in PASGDE
    variable location PASGDE
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    items PS2TEXT
    making
         of equations PS2TEXT
         of exhibits PS2TEXT
         of figures PS2TEXT
         of tables PS2TEXT
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    numbered PS2TEXT
    of users to send mail to USING
    reference PS2TEXT
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literal constant PASREF
literal DOS command DOSMRG
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ln function PASREF
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CMDREF1, DIAG, PLNGDE
load
    font XWREF
    managing ACCADM
load module
    format CGDE,
     FORGDE, PASGDE
     linking object files into a USEREF
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load resource XWREF
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loads file TECHREF2
loads program DIAG
loadserver command CMDREF1
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LOC_TYPE WHIP
local
    cluster control of file access (BNU)
         uupick command USING
         uuto command USING
    file field, site TECHREF2
    file system ADMIN,
     INST370, PLNGDE
         minidisk INSTPS2
    file transfers (BNU) USING
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    scope FORREF
    service PLNGDE
    stack area CGDE
     FORGDE, PASGDE
    system control of file access (BNU)
         uupick command USING
    variables PASREF
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```

prev CMDREF2 prompter CMDREF2 rcvdist CMDREF2 rcvpack CMDREF2 rcvstore CMDREF2 rcvtty CMDREF2 refile CMDREF2 repl CMDREF2 rmf CMDREF2 rmm CMDREF2 scan CMDREF2 send CMDREF2 show CMDREF2 slocal CMDREF2 sortm CMDREF2 spost CMDREF2 vmh CMDREF2 whatnow CMDREF2 whom **CMDREF2** Message Handling (MH) package TECHREF2 commands MANAGE ali **MANAGE** anno MANAGE ap **MANAGE** burst **MANAGE** comp MANAGE conflict MANAGE dist **MANAGE** dp **MANAGE** folder **MANAGE** folders MANAGE forw **MANAGE** inc **MANAGE** install-mh MANAGE mark **MANAGE** mhl **MANAGE** mhmail **MANAGE** mhpath MANAGE msgchk MANAGE msh MANAGE next **MANAGE** packf **MANAGE** pick MANAGE post MANAGE prev MANAGE prompter MANAGE rcvdist MANAGE rcvpack MANAGE rcvstore MANAGE rcvtty MANAGE refile **MANAGE** repl MANAGE rmf **MANAGE** rmm **MANAGE** scan MANAGE send MANAGE show MANAGE slocal MANAGE sortm MANAGE

spost MANAGE vmh **MANAGE** whatnow **MANAGE** whom **MANAGE** defaults **MANAGE** directories MANAGE user_mh_directory MANAGE \$HOME MANAGE /usr/lib/mh MANAGE drafts **MANAGE** files **MANAGE** components MANAGE context MANAGE digestcomps MANAGE distcomps MANAGE draft **MANAGE** forward MANAGE forwcomps MANAGE mail **MANAGE** mail forwarding MANAGE MailAliases MANAGE maildelivery MANAGE mhl.format MANAGE mtstailor MANAGE prompter* MANAGE replcomps MANAGE .mh_profile MANAGE installation MANAGE maintenance tasks MANAGE checking addresses MANAGE checking aliases MANAGE message components MANAGE message names MANAGE removing folders MANAGE removing messages MANAGE message pop-ups **USEGDE** message queue INTREF, TECHREF1 See also messages creating an ID INTREF get identifier TECHREF1 getting an ID INTREF removal **CMDREF1** send message TECHREF1 setting **INTREF** storing **INTREF** message receive extended TECHREF1 message services See messages message system alias file TECHREF2 format file TECHREF2 message texts PASGDE message-control operations INTREF message-of-the-day file ADMIN messages ACCGDE, CGDE, INTREF, MBCS, PASGDE, XWGDE

See also message queue See also semaphores See also shared memory See also signals Access program ACCADM addressing PS2GDE AIX messages WHIP adding **PRGTOOL** at login ADMIN application program MBCS broadcast TCPGDE changing start-up procedure **USING** CONSOLE window **USEGDE** content **USEGDE** control **TECHREF1** control operations TECHREF1 CP message format DIAG creating **PS2GDE** definition of TCPGDE displaying PRGTOOL error **TECHREF1** error number PRGTOOL example message table PRGTOOL execution-time **ACCADM** format CP **DIAG** immediate PRGTOOL queued **PRGTOOL** standard file PRGTOOL from queue TECHREF1 fsck utility DIAG header files PRGTOOL headings, defining for sendmail **MANAGE** immediate PRGTOOL format **PRGTOOL** generating PRGTOOL index **PRGTOOL** installation ACCADM issue a queued TECHREF1 issue an immediate TECHREF1 kernel program MBCS localizing problems DIAG mail queue precedence, defining MANAGE mailstats MANAGE message table PRGTOOL MSGxxxxx keyword DIAG network buffer, displaying **DIAG** network log, displaying DIAG of-the-day **ADMIN** overview of **DIAG** Panic **DIAG** permitting CMDREF1 procedure for recovery DIAG processing **PS2GIM** program identifiers PRGTOOL queued **PRGTOOL**

```
format PRGTOOL
         generating PRGTOOL
    reading INTREF
    receiving USING
         a message INTREF
         from a socket TECHREF1
    refusing CMDREF1
    removing USEGDE
    retrieve TECHREF1
    sample message PRGTOOL
    send CMDREF1
    sending CMDREF2,
     INTREF
    sending to a socket TECHREF1
    severity code PRGTOOL
    storing INTREF
    symbols for variables PRGTOOL
    system calls
         MSGCTL INTREF
         MSGGET INTREF
         MSGRCV INTREF
         MSGSND INTREF
         MSGXRCV INTREF
         RECV INTREF
         RECVFROM INTREF
         RECVMSG INTREF
         SEND INTREF
         SENDMSG INTREF
         SENDTO INTREF
    table
         naming PRGTOOL
    text insert
         definition PRGTOOL
         example PRGTOOL
    time stamp PRGTOOL
    types of PRGTOOL,
     TCPGDE
    using PRGTOOL,
     USEGDE
    variable fields in PRGTOOL
         example PRGTOOL
    VRM messages WHIP
    warning FORGDE
    WHIP messages WHIP
messages (cluster communications)
    end of file symbol (EOF) USING
    ending USING
    in files USING
    long USING
    receiving USING
    rejecting USING
    sending USING
    status USING
    who can receive using
    who command USING
    write command using
messages (MH)
    drafts MANAGE
    removing messages MANAGE
    specifying messages MANAGE
```

meta subroutine TECHREF1 metacharacters definition of DOSMRG interpretation MANAGE, PRGTOOL preventing AIX interpretation of DOS characters DOSMRG mf command xwref MFREE kernel subroutine TECHREF2 MGET kernel subroutine TECHREF2 mget subcommand (TCP/IP) USING MH commands See message handling commands MH (message handling) package TECHREF2 mh-alias file TECHREF2 mh-format file TECHREF2 mh-mail file TECHREF2 mh-profile file TECHREF2 mh-tailor file TECHREF2 mhl command CMDREF1, MANAGE mhl.format file (MH) MANAGE mhl.forward file (MH) MANAGE mhmail command CMDREF2, MANAGE mhook **TECHREF2** mhpath command CMDREF2, MANAGE mibm command-line option PASGDE Microsoft syntax supplement compatibility of AIX VS COBOL with Microsoft COBOL COBREF dialect controlling directives COBREF problem determination Data Division COBREF documentation differences COBREF Environment Division COBREF extension subroutines COBREF files input and output COBREF general COBREF Procedure Division COBREF screen-handling COBREF summary of syntactic differences Data Division COBREF Environment Division COBREF Procedure Division COBREF special registers LIN and COL COBREF middle screen, going to PS2TEXT middleButton, keyword XWGDE migrate command CMDREF2, PLNGDE migrate command (TCF) USING migrate system call TECHREF1 migrating programs FORGDE to PS/2 **PASGDE** programs to RT PASGDE min function PASREF MinCmapsOfScreen xwREF minidisk command DIAG, INSTPS2 minidisks ADMIN, INSTPS2 accessing user-created CMDREF1 adding INSTPS2, INST370 adding, example INST370

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adding with DOS Merge installed INSTPS2 AIX versus VM PLNGDE AIX, definition of PLNGDE allocating space requirements INSTPS2 backing up INST370, INSTPS2 backup by MANAGE blocks **PLNGDE** change INST370 changing minidisk characteristics INSTPS2, INST370 changing minidisk characteristics, example INST370 command INST370 customizing INST370 defined by the user INSTPS2 deleting INSTPS2, INST370 deleting, example INST370 description INST370, INSTPS2 displaying INSTPS2, INST370 displaying, example INST370 dump **PLNGDE** dump file INSTPS2 example of completed AIX Minidisk Worksheet **PLNGDE** example of completed VM Minidisk Worksheet **PLNGDE** for Base System **PLNGDE** full condition MANAGE local file system INSTPS2 managing system INSTPS2, INST370 mdrc command CMDREF1 mounting **USEREF** non-AIX INSTPS2 page **PLNGDE** page space INSTPS2 planning for space requirements INSTPS2 rearranging MANAGE requesting the minidisks screen INSTPS2 restoring by MANAGE root file system INSTPS2 screen INST370, INSTPS2 show INST370 show command INSTPS2 space, for user files INSTPS2 space requirements INSTPS2 special processing INSTPS2 supported for data storage **PLNGDE** system-defined **PLNGDE** temporary file system INSTPS2 types INSTPS2, PLNGDE types of system defined during installation **PLNGDE**

unmounting **USEREF** user-defined PLNGDE user file system INSTPS2 using INST370 VM, definition of **PLNGDE** / (root) **PLNGDE** /aix370 **PLNGDE** /aix370/tmp **PLNGDE** /u **PLNGDE** MINIDISKS command adding **USEREF** changing **USEREF** deleting **USEREF** minidisks command ADMIN, CMDREF2, PLNGDE minimum colormaps of screen xwreF minimum configuration PS2GIM minimum requirements Ethernet-based communications ACCADM host ACCADM, ACCGDE network **ACCADM** personal computer ACCGDE minint constant PASREF minor device numbers MANAGE, TECHREF2 minor macro TECHREF2 minor number TECHREF1 minreal constant PASREF minus sign FORREF, PS2TEXT miscellaneous facilities TECHREF2 mixing languages CGDE, FORGDE, PASGDE mkalias command PS2GDE mkcatdefs command MBCS mkdir command CMDREF2 MKDIR system call INTREF See also file maintenance mkdir system call TECHREF1 with TCF TECHREF1 mkdir (make directory) command **USING** mkfifo system call TECHREF1 mkfontdir command xwreF mkfs command ADMIN, CMDREF2, DIAG file system reorganization MANAGE mklost+found command CMDREF2 mknod command CMDREF2 MKNOD system call INTREF See also file maintenance mknod system call TECHREF1 with NFS TECHREF1 with TCF TECHREF1 mknodx system call TECHREF1 with TCF TECHREF1 mkpasswd CMDREF2 mksalias command PS2GDE

mkssites command PS2GDE mkstr command CMDREF2 mktemp subroutine TECHREF1 mm command CMDREF2, PS2TEXT flags **PS2TEXT** mm facility TECHREF2 mm macro package TECHREF2 mmt command CMDREF2, PS2TEXT flags **PS2TEXT** MNOTE PLNGDE MNOTE pseudo-op PRGTOOL mntent file TECHREF2 with TCF TECHREF2 mod(reserved word) PASREF mode AN FORREF changing the access INTREF checking the access INTREF field **WHIP** file-creation INTREF IBM FORREF keyword **xwgde** PropModeAppend xwreF PropModePrepend xwreF PropModeReplace xwreF QueuedAfterFlush xwreF QueuedAfterReading xwreF QueuedAlready xwreF R1 FORREF ScreenSaverActive xwreF ScreenSaverReset xwreF set arc **XWREF** set close down xwref set subwindow **XWREF** VX FORREF mode bit set-group-ID TECHREF1 set-user-ID TECHREF1 modeline option PS2TEXT modem connections (BNU) MANAGE modem connections, BNU Devices file MANAGE modems BNU call-in connection MANAGE BNU call-out connection MANAGE customizing call-in port MANAGE call-out port MANAGE external **MANAGE** internal **MANAGE** switch settings MANAGE using Access program with ACCGDE modes WHIP AN FORGDE ANSI PASGDE, PASREF change, file TECHREF1 changing ACCGDE, PS2TEXT displaying ACCGDE

IBM FORGDE, PASGDE, PASREF indicators **PS2IN** kernel **TECHREF1** no space PS2TEXT permission ACCADM R1 **FORGDE** user TECHREF1 VX **FORGDE** modf subroutine TECHREF1 modifer keys **XWREF** modification request number CMDREF1 time file TECHREF1 modifier map entry delete xwref insert **XWREF** modifier mapping destroy **XWREF** destroy keycode XWREF free **xwref** free keycode xwref get **XWREF** new **xwref** set **XWREF** modifiers AnyModifier xwreF ControlMask xwref LockMask **XWREF** ModMask **xwref** Mod2Mask xwref Mod3Mask xwref Mod4Mask xwref Mod5Mask **xwref** ShiftMask xwreF modify (ATE) command MANAGE menu **MANAGE** subcommands MANAGE modifying access times of a file CMDREF2 current directory CMDREF1 devices **CMDREF1** files, SCCS CMDREF1 group identification CMDREF2 group ownership CMDREF1 groups **CMDREF1** headings **PS2TEXT** login environment CMDREF2 owner-ID of files or directories CMDREF1 password **CMDREF2** permission codes CMDREF1 primary group CMDREF2 root directory CMDREF1 SCCS delta comments CMDREF1 users **CMDREF1** modules Access program ACCADM AIX Access for DOS Users ACCADM

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```
personal computer ACCADM
Mod1Mask xwref
Mod2Mask xwref
Mod3Mask xwref
Mod4Mask xwref
Mod5Mask xwref
mon.out file PASGDE
monacct command CMDREF1
monetary conventions MBCS
monitor mode TECHREF2
     defintion of TECHREF2
     major data type TECHREF2
monitor subroutine TECHREF1
monitor, keyword XWGDE
monitoring system
 performance ADMIN
monitoring the program counter INTREF
monochrome mode DOSMRG
moo game CMDREF1
more command CMDREF2
MORE environment variable CMDREF1
MOTD MANAGE
Motif
     minidisk requirements INSTPS2
motion requests
     special local PS2TEXT
MotionNotify XWREF
MotionNotify event xwref
mount
     file system TECHREF1
     in /etc/filesystems check attri-
     bute MANAGE
     in /etc/filesystems
      stanza MANAGE
MOUNT command USEREF
mount command ADMIN, CMDREF2,
 DIAG, DOSMRG,
 PLNGDE
     Network File System
         accessing files MANAGE
          activating mountd MANAGE
          editing /etc/exports MANAGE
          listing mounts MANAGE
          /etc/exports MANAGE
          /etc/filesystems MANAGE
          /etc/filesystems, attributes
           MANAGE
     use of /etc/filesystems MANAGE
mount point ADMIN,
 PLNGDE, TECHREF2
MOUNT system call INTREF
     See also file maintenance
mount system call TECHREF1
     with TCF TECHREF1
mount table
     creating CMDREF2
     displaying DIAG
mounted diskette drive
     unmounting DOSMRG
     using DOSMRG
```

```
mounting
     diskettes USEREF
     file systems CMDREF2,
      INTREF, MANAGE,
      USEREF
     files ADMIN
     minidisks USEREF
     tapes USEREF
mount/umount of files,
 manage ADMIN
mouse USEGDE
     buttons USEGDE
     using TECHREF2,
     USEREF
mov PRGTOOL
movb PRGTOOL
move and resize window XWREF
MOVE command USEREF
MOVE command USEGDE
move command CMDREF2
move instructions
     assembler PRGTOOL
move region XWREF
MOVE statement COBREF
move subroutine TECHREF1
move (m) subcommand USING
move, definition XWGDE
moving
     a directory CMDREF2
     a program PRGTOOL
     a widget xwref
     a window xwref
         by columns PS2IN
         by lines PS2IN
         by pages PS2IN
         horizontal PS2IN
          to a specific line PS2IN
          to bottom of file PS2IN
          to specific line PS2IN
          to top of file PS2IN
         vertical PS2IN
     and resizing widgets XWREF
     files CMDREF2, PS2IN,
      USEREF
     files/directories USING
     read/write file
     pointer TECHREF1
     text PS2IN, PS2TEXT,
     USING
     text blocks PS2IN
     through a file PS2TEXT
     to another directory PS2IN
mov1. PRGTOOL
movw PRGTOOL
mptx facility TECHREF2
mput subcommand (TCP/IP) USING
mrand48 subroutine TECHREF1
mr1 command-line option FORGDE
mscatdefs command
     invoked by runcat CMDREF2
```

msqbuf structure TECHREF1 msgchk command CMDREF2, MANAGE msgctl **ACCGDE** MSGCTL system call INTREF See also messages msgctl system call TECHREF1 with TCF TECHREF1 msgget **ACCGDE** MSGGET system call INTREF See also messages msgget system call TECHREF1 with TCF TECHREF1 msghdr structure TECHREF1 msghelp **PRGTOOL** msghelp subroutine TECHREF1 msgimed subroutine TECHREF1 msgop ACCGDE msgop system calls TECHREF1 msqqued subroutine TECHREF1 MSGRCV system call INTREF See also messages msgrcv system call TECHREF1 with TCF TECHREF1 msgrtrv **PRGTOOL** msgrtrv subroutine TECHREF1 msgs command CMDREF2 MSGSND system call INTREF See also messages msgsnd system call TECHREF1 with TCF TECHREF1 MSGXRCV system call INTREF See also messages msqxrcv system call TECHREF1 with TCF TECHREF1 MSGxxxxx keyword **DIAG** msh command CMDREF2, MANAGE mt TECHREF2 mt command CMDREF2 mtab file TECHREF2 with TCF TECHREF2 mtlaf command WHIP mtod kernel subroutine TECHREF2 mtstailor file TECHREF2 mtstailor file (MH) MANAGE mudemo COBGDE multibyte characters **ADMIN**, PRGTOOL, TECHREF2 multi-byte controls TECHREF2 multi-user environment COBGDE create ADMIN Multi-User Services creating cluster communication facility **USING** Multi-User Services commands cancel CMDREF1 comlist CMDREF1 id **CMDREF1** lnetstat CMDREF1 loadserver CMDREF1

lp **CMDREF1**

```
makedbm CMDREF1
    mesq CMDREF1
    sar CMDREF2
    uvcp CMDREF2
    vucp CMDREF2
    who CMDREF2
    300 CMDREF2
    4014 CMDREF2
    450 CMDREF2
multi-user syntax COBGDE
multibyte character set (MBCS)
    See MBCS
    See also Japanese characters
    shell parameters CMDREF2
    with bfs command CMDREF1
    with bs command CMDREF1
    with cal command CMDREF1
    with col command CMDREF1
    with comsat command CMDREF1
    with cpio command CMDREF1
    with ct command CMDREF1
    with delta command CMDREF1
    with ed command CMDREF1
    with ex command CMDREF1
    with grep command CMDREF1
    with mail command CMDREF1
    with mkfs command CMDREF1
    with newform command CMDREF2
    with paste command CMDREF1
    with piobe command CMDREF2
    with sh command CMDREF2
    with vi command CMDREF2
    with xargs command CMDREF2
multibyte code MBCS
multicolor cursor attributes
    multicolor cursor background
     color TECHREF2
    multicolor cursor foreground
     color TECHREF2
    multicolor cursor logical opera-
     tion TECHREF2
    multicolor cursor
     mask TECHREF2
    multicolor cursor
     origin TECHREF2
    multicolor cursor
     pattern TECHREF2
multihost ACCADM
multiple
    file systems, reasons
     for ADMIN
    files, editing PS2TEXT
    files, working with USEGDE
    line substitutions USING
    processes
         shared text PRGTOOL
    record locks COBREF
    results in arithmetic statements COBREF
    windows, working with USEGDE
multiple-clicking xwgDE
```

multiple-clicking, definition XWGDE multiplex device, hft TECHREF2 multiplexed device TECHREF2 multiplexed file inode type **MANAGE** multiplication FORREF operator CREF, **PASREF** MULTIPLY statement COBREF multitasking definition of DOSMRG detached jobs, keeping track of **DOSMRG** error messages received **DOSMRG** keeping track of detached jobs DOSMRG pipes and redirection under the ON utilities DOSMRG reattaching to detached jobs saving output from completed jobs **DOSMRG** starting a new AIX shell DOSMRG stopping detached jobs DOSMRG viewing job output DOSMRG mv command CMDREF2, DOSMRG moving files **USING** renaming files **USING** using **USING** mv facility TECHREF2 mv (move) command **using** mvaddch subroutine TECHREF1 mvaddstr subroutine TECHREF1 mvchgat subroutine TECHREF1 mvcur subroutine TECHREF1 mvdelch subroutine TECHREF1 mvdir command CMDREF2 mvgetch subroutine TECHREF1 mvgetstr subroutine TECHREF1 mvinch subroutine TECHREF1 mvinsch subroutine TECHREF1 mvpaddch subroutine TECHREF1 mvpaddstr subroutine TECHREF1 mvpchgat subroutine TECHREF1 mvprintw subroutine TECHREF1 mvscanw subroutine TECHREF1 mvt command CMDREF2 mvwaddch subroutine TECHREF1 mvwaddstr subroutine TECHREF1 mvwchgat subroutine TECHREF1 mvwdelch subroutine TECHREF1 mvwgetch subroutine TECHREF1 mvwgetstr subroutine TECHREF1 mvwin subroutine TECHREF1 mvwinch subroutine TECHREF1 mvwinsch subroutine TECHREF1 mvwprintw subroutine TECHREF1 mvwscanw subroutine TECHREF1 mvx command-line option FORGDE Myname file (BNU) MANAGE m4function

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divert PRGTOOL sinclude PRGTOOL undivert **PRGTOOL** functions eval **PRGTOOL** include **PRGTOOL** incr **PRGTOOL** maketemp **PRGTOOL** syscmd PRGTOOL integer arithmetic PRGTOOL system command PRGTOOL m4 command **CMDREF2** m4 macro preprocessor command syntax PRGTOOL defining macros PRGTOOL functions arguments for PRGTOOL changequote PRGTOOL define **PRGTOOL** ifdef **PRGTOOL** undefine **PRGTOOL** m_cat kernel subroutine TECHREF2 m_copy kernel subroutine TECHREF2 m_free kernel subroutine TECHREF2 m freem kernel subroutine **TECHREF2** m_get kernel subroutine TECHREF2 m_getclr kernel subroutine TECHREF2 m_pullup kernel subroutine TECHREF2 +---+ N | +---+ n command-line option FORGDE N option flag COBGDE n, N commands PS2TEXT n macro **MANAGE** N' attribute **PLNGDE** name CREF at the host WHIP common block FORREF default data type FORREF description of FORREF file FORREF for a temporary file, creating TECHREF1 free font **xwref** list entries, obtaining **TECHREF1** login **TECHREF1** of a terminal TECHREF1 of the user TECHREF1 R1 specifics FORREF scope of FORREF specifying FORREF

set icon XWREF transparency ADMIN, PLNGDE unsubscripted array FORREF user login, obtaining **TECHREF1** user, finding value TECHREF1 VX specifics FORREF name command (ate) MANAGE, USTNG NAME, open option PASGDE named color allocate **xwref** store **XWREF** named command TCPGDE named labels assembler PRGTOOL named pipe inode type MANAGE NAMED= specifier description of FORREF in INQUIRE statement FORREF namelist specifier (VX mode) FORREF NAMELIST statement PRINT specified FORREF READ specified FORREF R1 specifics FORREF VX specifics FORREF WRITE specified FORREF naming a file **USEGDE** a socket **INTREF** files **PS2TEXT** conventions for **PLNGDE** differences between DOS and AIX ACCGDE files and directories differences between AIX and DOS **DOSMRG** DOS Merge file name-mapping DOSMRG with DOS Merge DOSMRG spaces CREF widget xwreF Intrinsics, definition xwreF National Language Support (NLS) ADMIN, MBCS, PS2GIM compiling programs COBGDE features provided COBGDE introduction COBGDE mixing programs COBGDE running programs COBGDE native code generator COBGDE generator messages COBGDE using **COBGDE** natural logarithm PRGTOOL NC subroutines MBCS NCchar data type MBCS nccheck command CMDREF2 NCchrlen macro TECHREF1 NCcollate subroutine TECHREF1

NCcolunia subroutine TECHREF1 NCctype **TECHREF1** NCdec macro TECHREF1 NCdechr macro TECHREF1 NCdecode subroutine TECHREF1 NCdecstr subroutine TECHREF1 NCenc macro **TECHREF1** NCencode subroutine TECHREF1 NCencstr subroutine TECHREF1 NCeqvmap subroutine TECHREF1 NCesc macro TECHREF1 NCflatchar subroutine TECHREF1 ncheck command CMDREF2 NCisalnum subroutine TECHREF1 NCisalpha subroutine TECHREF1 NCisdigit subroutine TECHREF1 NCisgraph subroutine TECHREF1 NCislower subroutine TECHREF1 NCisNLchar subroutine TECHREF1 NCisprint subroutine TECHREF1 NCispunct subroutine TECHREF1 NCisshift subroutine TECHREF1 NCisspace subroutine TECHREF1 NCisupper subroutine TECHREF1 NCisxdigit subroutine TECHREF1 ncprintf kernel subroutine **TECHREF2** NCstrcat subroutine TECHREF1 NCstrchr subroutine TECHREF1 NCstrcmp subroutine TECHREF1 NCstrcpy subroutine TECHREF1 NCstrcspn subroutine TECHREF1 NCstring subroutine TECHREF1 NCstrlen subroutine TECHREF1 NCstrncat subroutine TECHREF1 NCstrncmp subroutine TECHREF1 NCstrncpy subroutine TECHREF1 NCstrpbrk subroutine TECHREF1 NCstrrchr subroutine TECHREF1 NCstrspn subroutine TECHREF1 NCstrtok subroutine TECHREF1 NCtolower macro2 TECHREF1 NCtolower subroutine TECHREF1 NCtoNLchar subroutine TECHREF1 NCtoupper macro2 TECHREF1 NCtoupper subroutine TECHREF1 NCunesc macro TECHREF1 NCxcol macro TECHREF1 negated simple condition COBREF negation FORREF negation (-) sign PASREF negn command lines PS2TEXT explanation PS2TEXT neqn command CMDREF1 used with tbl CMDREF2 neqn special character definitions TECHREF2 nested lists PS2TEXT example PS2TEXT

```
nested source programs
     END PROGRAM header COBREF
     initial state of a program COBREF
     organization COBREF
     structure COBREF
nesting
    diversions PS2TEXT
net TCPGDE
netconfig command TCPGDE
netctrl system call TECHREF1
     with TCF TECHREF1
netent structure TECHREF1
netfile directory ADMIN
netparams command CMDREF2
netparams file TECHREF2
     with TCF TECHREF2
netstat command PLNGDE, TCPGDE
network MBCS
     adapter
         definition of TCPGDE
     addresses ACCADM
     byte order
          conversion to host byte
           order TECHREF1
     communicating on USING
     customizing USING
     data base
          close TECHREF1
          entry TECHREF1
          find an entry in TECHREF1
          open TECHREF1
     definition of TCPGDE
     device driver TECHREF2
     device driver procedure
     handles TECHREF2
     devices supported by AIX/370
      PLNGDE
     hardware and software requirements ACCADM
     installing USING
     installing BNU USING
     Internet address ACCADM
     management
          definition of TCPGDE
     management (TCP/IP) USING
     mapping ACCADM
     minimum requirements ACCADM
     multiple ACCADM
     printers ACCADM
     problem determination TCPGDE
     status TCPGDE
     topology requirements INST370
Network File System (NFS)
     See NFS
network hosts
     assigning Internet addresses ACCADM
Network Information
 Center TCPGDE, TECHREF1
network information service (NIS)
     See NIS (network information service)
network interface adapter
```

```
installing ACCGDE
network message
     buffer, displaying DIAG
     log, displaying DIAG
network protocol
     See also protocols
     address TECHREF1
     data base
         close TECHREF1
          find an entry in TECHREF1
         open TECHREF1
     name TECHREF1
network service
     address TECHREF1
     name TECHREF1
     data base
          close TECHREF1
          find an entry in TECHREF1
          open TECHREF1
network topology requirements INSTPS2
network types
     list of available ACCGDE
     selecting, for record locking and
      file sharing ACCGDE
networking facilities, accessing
VM PLNGDE
networking (uucp) PLNGDE
new date macro PS2TEXT
new
     modifier mapping XWREF
     procedure PASREF
     process image TECHREF1
     quark, allocate xwreF
     terminal definitions WHIP
New Task Menu PS2IN
new-line character TECHREF2
newaliases command CMDREF2
newaliases file MANAGE
newgfs command CMDREF2
newfile command PS2IN
newform command CMDREF2
newgrp command CMDREF2
newkernel command INSTPS2,
 INST370, MANAGE
newline CREF
newmail file MANAGE
newpad subroutine TECHREF1
news command CMDREF2, MANAGE
newsite INST370, INSTPS2
     tasks performed by INST370
newterm subroutine TECHREF1
newview subroutine TECHREF1
newwin subroutine TECHREF1
next command CMDREF2, MANAGE
next event XWREF
NEXT GROUP clause COBREF
NEXT hot key WHIP
NEXT keys PS2IN
Next Pane key USEGDE
next request XWREF
```

```
NEXT WINDOW USING
Next Window key USEGDE
NEXT WINDOW keys PS2IN
next window, moving to PS2IN
nextkey subroutine TECHREF1
NEXTREC= specifier
     description of FORREF
     in INQUIRE statement FORREF
NextRequest XWREF
NFS (Network File System) ADMIN,
 INSTPS2, PS2GIM,
 USING
     access system call with
       TECHREF1
     accessing files MANAGE
     asynchronous data
     processing MANAGE
     asynch_daemon system call
     with TECHREF1
     C language MANAGE
     chdir system call
      with TECHREF1
     chmod system call
     with TECHREF1
     chown system call
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         print mode MANAGE,
         printhead MANAGE, PRGTOOL
          ribbon control MANAGE,
          type style MANAGE,
     data stream PRGTOOL
     device, add INSTPS2
     interfaces ADMIN
     line discipline routines TECHREF2
     setting environment ACCGDE
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     non-printable PLNGDE
     control codes MANAGE
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     AIX/370 PLNGDE
     files ACCADM
     for AIX/370 PLNGDE
     for ASCII characters
      printing PLNGDE
     managing MANAGE
     network ACCADM
     restriction of support (ASCII
      characters) PLNGDE
     setting up ACCADM
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      USING
     a message with the INed editor PS2GDE
     accounting report CMDREF1
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     AIX print spooler DOSMRG
     and local drive ACCGDE
     ASCII codes less than 32
      MANAGE, PRGTOOL
     assigning a printer to DOS DOSMRG
     assigning to DOS DOSMRG
     banner strings CMDREF1
```

block count of a file CMDREF2 calendar CMDREF1 changing default timeout DOSMRG checksum of a file CMDREF2 codes, control ASCII PRGTOOL hexadecimal PRGTOOL Keys to generate PRGTOOL Miscellaneous PRGTOOL Names PRGTOOL contents of the screen DOSMRG control (piobe) MANAGE COPY command **DOSMRG** corresponding group names and IDs **CMDREF1** corresponding user names and IDs **CMDREF1** Ctrl-Print Screen DOSMRG Ctrl-Print Screen function, restrictions on use DOSMRG current directory CMDREF2 date **CMDREF1** default DOS printer, changing DOSMRG default settings ACCGDE default timeout DOSMRG documents formatted with the Memorandum Macros CMDREF2 DOS command ACCGDE DOS MODE command DOSMRG DOS PRINT command DOSMRG DOS print devices DOSMRG files PS2IN, USING, USEREF print flags **USING** floating-point number TECHREF1 formatted files CMDREF2 fromatting for line printer CMDREF2 formatted varargs argument list TECHREF1 FORTRAN source files CMDREF1 from AIX shell DOSMRG from remote drive ACCGDE group membership CMDREF1 in TCF environment ADMIN in terminal emulation ACCGDE I/O support **PRGTOOL** local drive ACCGDE login name CMDREF1 messages from message catalog CMDREF1 multiple printers **USING** news items CMDREF2 NFS statistics CMDREF2 on a file **PS2IN** on a remote system **PS2GDE** on local printer ACCGDE piobe command CMDREF2 Print Screen function, restrictions on use DOSMRG PRINTER command DOSMRG printing from the AIX shell DOSMRG

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process MANAGE
     process accounting
     records CMDREF1
     process status CMDREF2
     process (qdaemon) MANAGE
     profile data CMDREF2
     quotas for file system CMDREF2
     remotely TCPGDE
     SCCS file editing
      activity CMDREF2
     screen contents DOSMRG
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     report CMDREF1
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     using AIX commands DOSMRG
     using DOS commands DOSMRG
     wide characters PRGTOOL
     with DOS commands DOSMRG
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printspath command CMDREF2
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     of a process INTREF
     of a process, changing TECHREF1
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Problem Investigation Tools Group
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     elements of DIAG
     forms (APAR) DIAG
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     avoiding PLNGDE
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      PLNGDE
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     forgotten password ADMIN
     handling, responsibilities
      defined PLNGDE
     hidden files ADMIN
     localization DIAG
     lost critical system
```

files **ADMIN** lost files ADMIN no space for root-file system ADMIN normal operations ACCADM recording forms DIAG recovery from problem, planning for **PLNGDE** reporting **PLNGDE** reporting forms DIAG reporting, planning for PLNGDE resolving, defined PLNGDE resolving, IBM support for **PLNGDE** runaway process ADMIN source identification DIAG, PLNGDE solving (administrator's tasks) **ADMIN** system startup ACCADM using the Access program ACCADM with file systems, circumvent ADMIN problems, common BNU faulty ACUs and modems MANAGE full spooling directories MANAGE login failures MANAGE outdated Systems file MANAGE untransferred files MANAGE proc structure TECHREF2 procedure **FORREF** action **XWREF** for nonfatal errors **XWREF** names COBREF procedure call statements PASREF procedure declarations INTREF calling attributes PASREF definition of PASREF parameter examples PASREF parameters **PASREF** Procedure Division COBGDE abbreviated combined relation conditions COBREF ACCEPT MESSAGE COUNT statement COBREF ACCEPT statement COBREF ADD statement COBREF ALTER statement COBREF arithmetic expressions COBREF arithmetic operators COBREF arithmetic statement rules COBREF body **COBREF** bound checking COBREF CALL statement COBREF CANCEL statement COBREF CHAIN statement COBREF CLOSE statement COBREF combined and negated combined condition COBREF

COMMIT statement COBREF common phrases COBREF COMPUTE statement COBREF condition evaluation rules COBREF conditional expressions COBREF CONTINUE statement COBREF COPY INDEXED statement COBREF corresponding phrase COBREF Date General syntax supplement COBREF declaratives COBREF DELETE statement COBREF DISABLE statement COBREF DISPLAY statement COBREF DIVIDE statement COBREF ENABLE statement COBREF ENTER statement COBREF ENTRY statement COBREF EVALUATE statement COBREF EXAMINE statement COBREF EXECUTE statement COBREF execution COBREF EXHIBIT statement COBREF EXIT PROGRAM statement COBREF EXIT statement COBREF file I-O status codes COBREF file sharing syntax COBREF for file input and output COBREF general format COBREF GENERATE statement COBREF GO TO statement COBREF GOBACK statement COBREF header **COBREF** IF statement COBREF in COBOL debug COBREF in the communication module COBREF in the interprogram communication module COBREF in the nucleus COBREF in the report writer module COBREF in the screen-handling module COBREF in the sort-merge module COBREF in the table-handling module COBREF incompatible data COBREF INITIALIZE statement COBREF INITIATE statement COBREF INSPECT statement COBREF literals as CALL parameters COBREF locked records COBREF MERGE statement COBREF Microsoft syntax supplement differences between Microsoft and AIX VS COBOL COBREF problem determination COBREF MOVE statement COBREF multiple results in arithmetic statements COBREF MULTIPLY statement COBREF negated simple condition COBREF nonstandard operations on alphanumeric

data items COBREF NOT ON SIZE ERROR phrase COBREF ON SIZE ERROR phrase COBREF ON statement COBREF OPEN statement COBREF overlapping operands COBREF PERFORM statement COBREF procedure names COBREF procedures COBREF PURGE statement COBREF READ statement COBREF READY TRACE statement COBREF RECEIVE statement COBREF RECORD CONTAINS clause COBREF RELEASE statement COBREF report writer statements COBREF RESET TRACE statement COBREF RETURN statement COBREF REWRITE on line-sequential files COBREF REWRITE statement COBREF ROUNDED phrase COBREF Ryan-McFarland syntax supplement SEARCH statement COBREF SEND statement COBREF SET statement COBREF signed receiving items COBREF size allocation for index data items COBREF SORT statement COBREF START statement COBREF statements and sentences COBREF STOP RUN statement COBREF STOP statement COBREF STRING statement COBREF SUBTRACT statement COBREF SUPPRESS statement COBREF TERMINATE statement COBREF TRANSFORM statement COBREF UNLOCK statement COBREF UNSTRING statement COBREF USE BEFORE REPORTING statement COBREF USE statement COBREF USING phrase COBREF WRITE statement COBREF procedure parameter PASREF procedure parameter examples PASREF procedure reference statements PASREF procedure statement PASREF procedure(reserved word) PASREF procedures actual parameter PASREF automatic information collection **PLNGDE** built-in, defined PASREF close **PASREF** compress PASREF

const **PASREF**

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datetime PASREF devices to be checked ADMIN dispose **PASREF** for operation, automate PLNGDE formal parameters **PASREF** FORTRAN PASREF function **PASREF** general file handling PASREF get **PASREF** halt **PASREF** index **PASREF** initialize **XWREF** listed **PASREF** listing PASREF lpad **PASREF** ltrim **PASREF** main **PASREF** manual information collection **PLNGDE** mark **PASREF** message-of-the-day ADMIN multi-user environment ADMIN new **PASREF** pack **PASREF** page **PASREF** parms PASREF plan for problem handling **PLNGDE** procedure parameter PASREF put **PASREF** read **PASREF** readln PASREF readstr **PASREF** recording information PLNGDE recursive PASREF reentrant PASREF release **PASREF** reset **PASREF** retcode PASREF return **PASREF** rewrite **PASREF** rpad **PASREF** seek **PASREF** shell **USING** single-user environment ADMIN standard environment for users **ADMIN** statements **PASREF** termin **PASREF** termout **PASREF** text file handling PASREF token **PASREF** trim **PASREF** unpack PASREF update **PASREF** value parameter PASREF

writestr **PASREF**

variable parameter PASREF

write **PASREF** writeln **PASREF**

```
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     child TECHREF1
     code MBCS
     creation TECHREF1
     definition of TCPGDE
     execution TECHREF1
     execution transparency PLNGDE
     get IDs TECHREF1
     get owner TECHREF1
     group PRGTOOL
     ID PRGTOOL
     image, new TECHREF1
     limits INTREF
     lock INTREF,
     TECHREF1
     messages PS2IN
    migration PLNGDE
    parent TECHREF1
    pointers DIAG
    pre-emption TECHREF2
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     priority INTREF
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     states TECHREF1
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     INTREF, TECHREF1,
     TECHREF2
     termination TECHREF1
     trace TECHREF1
     trace execution TECHREF1
     transparency ADMIN,
     USING
     unlock TECHREF1
     user ID TECHREF1
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 TECHREF1
     file TECHREF2
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     report CMDREF1
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     _EXIT system call INTREF
     locking a process INTREF
     of process execution TECHREF1
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         EXECL INTREF
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```
GETHOSTID INTREF
         GETHOSTNAME INTREF
         GETLOCAL INTREF
         GETPGRP INTREF
         GETPID INTREF
         GETPPID INTREF
         GETUID INTREF
         SETGID INTREF
         SETGROUPS INTREF
         SETHOSTID INTREF
         SETHOSTNAME INTREF
         SETLOCAL INTREF
         SETPGID INTREF
         SETPGRP INTREF
         SETUID INTREF
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    child TECHREF1
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    in debugging INTREF
    records of INTREF
    system calls
         ACCT INTREF
         PROFIL INTREF
         PTRACE INTREF
         TIMES INTREF
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 communication TECHREF1
processes XWGDE
    accounting information INTREF
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         ampersand (&) operator USING
         checking status USING
         output redirection USING
         running USING
         starting USING
    canceling USING
         kill command USING
         QUIT WITH DUMP USING
         termination message USING
    changing priority of INTREF
    checking status USING
    child MANAGE
    COMMAND USING
    command for showing status PLNGDE
    communication between INTREF
    controlling execution of child INTREF
    creating INTREF
    definition USING
    delaying INTREF
    elapsed time USING
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    locking INTREF
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```

```
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     number USING
    process status (ps)
     command USING
         -p flag USING
    records of terminated INTREF
     redirecting output USING
     relationship to programs USING
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          information displayed USING
         PID USING
     suspending INTREF
     terminal designation USING
     terminating DOSMRG,
     INTREF
     TIME USING
         in process status USING
     time profile of INTREF
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     a signal INTREF
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     events XWREF
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     events XWREF
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     tion events XWREF
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     grabs XWREF
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     keyboard and pointer
```

```
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      events XWREF
     MapNotify events XWREF
     MappingNotify
      events xwref
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      events xwref
     PropertyNotify
      events XWREF
     ReparentNotify
      events XWREF
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      events xwref
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      events XWREF
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      environment PRGTOOL
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programmable option select (POS)
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     in an AIX/370 system, illus-
      tration of PLNGDE
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      attachment PLNGDE
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     C Language
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          CC CMDREF1
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          cpp CMDREF1
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          lint CMDREF1
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     restrictions COBGDE
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 PS2GIM
     cb PRGTOOL
     CC PRGTOOL
     cflow PRGTOOL
     cxref PRGTOOL
     ed PRGTOOL
     lint PRGTOOL
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     application USEGDE,
      USING
```

BNU

```
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    automatic maintenance MANAGE
    cleanup MANAGE
    copy requests MANAGE
    daemons MANAGE
    debug MANAGE
    file-transfer MANAGE
    installation MANAGE
    list MANAGE
    log files MANAGE
    remote command execution
      MANAGE
    remote communication MANAGE
    scheduler MANAGE
    spooling directory cleanup MANAGE
    TCP/IP connection MANAGE
    uucheck MANAGE
    uucollect MANAGE
    uucpd MANAGE
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commands USING
containing tabs PS2IN
definition of PS2IN,
USING
data types for MBCS
demonstration COBGDE
development cycle COBGDE
dynamically loaded COBGDE
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    type PS2GDE
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monitoring PRGTOOL
on PS/2, migrating PASGDE
optimizing COBOL COBGDE
pi.cbl COBGDE
qstat PS2GDE
readmail PS2GDE
relationship to
processes USING
remind/delrem PS2GDE
rmtcp PS2GDE
running USEREF
sendmail PS2GDE
source conventions COBGDE
spost PS2GDE
stockin.cbl COBGDE
stockioa.cbl COBGDE
stockiom.cbl COBGDE
stockout.cbl COBGDE
```

```
stock1.cbl COBGDE
     tabx COBGDE
     to PS2GDE
     to RT, migrating PASGDE
     under AIX PASGDE
     user MANAGE
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     응
       USING
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         WM_TRANSIENT_FOR
           XWREF
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property
     Appending XWREF
     change xwref
     Changing XWREF
     definition XWREF
     delete XWREF
     Format XWREF
     Get Atom Name xwref
     get font XWREF
     get window xwref
     Prepending XWREF
     Replacing XWREF
     Type xwref
     size hints, get xwref
PropertyChangeMask xwref
PropertyDelete XWREF
PropertyNewValue xwreF
PropertyNotify XWREF
PropertyNotify event xwreF
proprietary markings
     NOTICE (N) PS2TEXT
     PRIVATE (P) PS2TEXT
     PROPRIETARY (BP) PS2TEXT
     RESTRICTED (BR) PS2TEXT
     turn off previous notice
      ("") PS2TEXT
propogation, LPP INSTPS2
proprietary markings
 macro PS2TEXT
protecting files PLNGDE
```

See also backup; file permissions protection bits **INTREF** directories **USEGDE**, USEREF files **USEGDE**, USEREF file systems **USEREF** read **USEGDE** run **USEGDE** search **USEGDE** write **USEGDE** protections See also permissions changing **USING** displaying **USING** from concurrent file changes **USING** setting **USING** proto command CMDREF2 protocol errors **XWREF** events **XWREF** extensions **XWREF** modes **TECHREF2** predefined atoms **XWREF** receiving data xwreF revision **XWREF** syntax XWREF types **XWREF** version **XWREF** protocol formats error **XWREF** errors **XWREF** event **XWREF** reply **xwref** request **XWREF** protocol requests AllocColor **XWREF** AllocColorPlanes xwreF AllocNamedColor xwreF AllowEvents **XWREF** Bell **xwref** ChangeGC **XWREF** ChangeKeyboardControl **XWREF** ChangeWindowAttributes xwreF CreateWindow xwreF FreeColors **XWREF** GetMotionEvents **XWREF** GetWindowAttributes XWREF GrabKey **XWREF** GrabKeyboard xwreF GrabPointer xwreF MapWindow XWREF PolyText16 **xwref** PolyText8 **xwref** SendEvent **XWREF** StoreColors XWREF StoreNamedColor xwreF

```
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      Protocol TCPGDE
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      TECHREF1
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          internet control message protocol
            TCPGDE
          internet router TCPGDE
          remote command execution protocol
          routing information protocol
            TCPGDE
          telnet protocol TCPGDE
          trivial file transfer protocol
            TCPGDE
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     TELNET TCPGDE
     transmission control
     protocol TCPGDE
     UDP, overview TCPGDE
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PseudoColor XWREF
PSF (Printer Support Facility) MBCS
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```

psignal kernel subroutine TECHREF2 pss keyword TECHREF2 pstart command CMDREF2 pstart (start all ports) command MANAGE pstat command CMDREF2, DIAG, PLNGDE PSW (processor status word) **TECHREF2** Wait **DIAG** Wait bit **DIAG** PS1 shell parameter CMDREF2 PS2 shell parameter CMDREF2 PS/2 keyboard keystrokes not available on ASCII terminals **DOSMRG** simulation of on an ASCII terminal **DOSMRG** PS/2 migration FORGDE PS/2 processor MBCS PS/2 workstations AIX Access for DOS Users and **PLNGDE** connecting to AIX/370 PLNGDE fixed-function terminal attachment **PLNGDE** heterogeneous clusters PLNGDE homogeneous clusters **PLNGDE** LAN and **PLNGDE** TCP/IP and PLNGDE X-Windows and PLNGDE PS/55 as 3270 software MBCS PS/55 processor MBCS as operator console MBCS as 3270 **MBCS** pt keyword TECHREF2 Pt (default paragraph style) register **PS2TEXT** ptelus.awk program CMDREF1 PTF (Program Temporary Fixes) **PLNGDE** ptime keyword TECHREF2 ptn command ADMIN, CMDREF2, PLNGDE PTRACE system call INTREF See also process tracking ptrace system call TECHREF1 ptroff command CMDREF2 ptx command CMDREF2 pty customization **XWGDE** pty device add INSTPS2 delete INSTPS2 pty special file TECHREF2 ptys **XWGDE** public directory (BNU) USING public permission USEGDE public shell widget classes default field values xwreF

```
publication style PS2TEXT
     documents PS2TEXT
publications PS2GIM
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PUNCH PLNGDE
PUNCH pseudo-op PRGTOOL
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PUSH pseudo-op PRGTOOL
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     back event xwref
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     line resource xwref
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     procedure PASREF
     resource XWREF
    resources XWREF
     string XWREF
     string into memory XWREF
     string resource XWREF
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put subcommand PS2GDE
put subcommand (TCP/IP) USING
PUT COPY key PS2IN
PUT DOWN key PS2IN
putc kernel subroutine TECHREF2
putc macro TECHREF1
putch kernel subroutine TECHREF2
putcbp kernel subroutine TECHREF2
putcf kernel subroutine TECHREF2
putchar kernel
 subroutine TECHREF2
putchar macro TECHREF1
putenv subroutine TECHREF1
putlong subroutine TECHREF1
putp subroutine TECHREF1
putpwent subroutine TECHREF1
puts kernel subroutine TECHREF2
puts subroutine TECHREF1
putshort subroutine TECHREF1
puttext command CMDREF2
putting
     down a copy PS2IN
     down text PS2IN
     images XWREF
     pixel values xwreF
pututline subroutine TECHREF1
putw subroutine TECHREF1
putwc subroutine MBCS
putws subroutine MBCS
PVM (Pass-Through Virtual
 Machine) PLNGDE
```

service machine ADMIN PWWHIP pwck command CMDREF2 pwd command CMDREF2 pwd subcommand (TCP/IP) USING pwd (print working directory) command **USING** pwgmap command CMDREF2 pwgmerge command CMDREF2 PZERO TECHREF2 P1 WHIP P3270DEV WHIP +---+ | Q | Q edit-descriptor (VX mode) FORREF q macro MANAGE q subcommand PS2GDE qapp command CMDREF1 qconfig file TECHREF2 with TCF TECHREF2 qdaemon **MANAGE** function MANAGE part of queueing system MANAGE to backend interaction TECHREF2 qdaemon, lp CMDREF2 qdisable command PS2GDE qenable command PS2GDE qftp command PS2GDE qftp file PS2GDE qhold command PS2GDE qinvoke command CMDREF1 QLength **xwref** qproc command CMDREF1, CMDREF2 qsort subroutine TECHREF1 qstart command PS2GDE qstat command PS2GDE qualification COBREF quark list convert string XWREF string to **XWREF** string to binding XWREF quark to string XWREF quark, allocate new xwref query best cursor **XWREF** best size of display **XWREF** best stipple xwref best tile xwreF color **XWREF** colors XWREF font **XWREF** font, load xwref hft device TECHREF1, TECHREF2 keymap **XWREF**

physical device TECHREF2 identifiers TECHREF2 pointer **XWREF** textextents **XWREF** textextents16 **XWREF** tree **xwref** querying best size **XWREF** best stipple xwref best tile **XWREF** color **XWREF** colors **XWREF** current line number PS2TEXT cursor XWREF event sources xwreF extension **XWREF** file name PS2TEXT fonts **XWREF** geometry **XWREF** keymap **XWREF** next event XWREF options, vi PS2TEXT pending events XWREF pointer **XWREF** presentation space TECHREF2 terminal characteristics CMDREF2, TECHREF1 queue WHIP definition MANAGE element inserting TECHREF1 removing **TECHREF1** events in the XWREF identifier TECHREF1 names **MANAGE** message TECHREF1 reading TECHREF1 storing TECHREF1 printer **USING** requests in TCF clusters ADMIN send message to TECHREF1 queued message, issue TECHREF1 QueuedAfterFlush xwreF queueName, keyword **xwgDE** queuing system PLNGDE, TECHREF2 accounting information MANAGE backends MANAGE friendly MANAGE unfriendly MANAGE burst pages MANAGE configuration MANAGE /etc/qconfig MANAGE devices MANAGE job order, discipline MANAGE parts of MANAGE backend program MANAGE configuration file MANAGE print program MANAGE qdaemon program MANAGE qdaemon

```
keeping it running MANAGE
     queues MANAGE
queuing daemon ADMIN
queuing directory PS2GDE
quick reference boxes MANAGE,
 USING
quick sort TECHREF1
quit character TECHREF2
quit command (ATE) USING
QUIT hot key WHIP
Quit key USEGDE
QUIT keys PS2IN
quit subcommand (TCP/IP) USING
QUIT WITH DUMP
     to cancel processes USING
     using USING
quit (q) command USING
quitting
     an edit session PS2IN
     DOS DOSMRG
     vi PS2TEXT
quiz game CMDREF2
quot command CMDREF2
quota command CMDREF2
quota system call TECHREF1
quotacheck command CMDREF2
quotaoff command CMDREF2
quotaon command CMDREF2
quotas
     checking consistency (quotacheck
      command) CMDREF2
     displaying (repquota command)
       CMDREF2
QUOTE keys PS2IN
quoting
quoting USING
     differences between AIX and
     DOS DOSMRG
     ' ' (single quotes) USING
     backslash using
     double quotes USING
     single quotes USING
     " " (double quotes) USING
     \ USING
   +---+
   R
r command PS2TEXT
r (read) permission USING
raccept system call TECHREF1
raise subroutine TECHREF1
raise window xwref
raised, keyword xwgDE
raise, definition XWGDE
RaiseLowest XWREF
raise, map window xwref
```

```
raising windows XWREF
RAM disk
     installing Access program ACCGDE
     making backups ACCGDE
rand subroutine TECHREF1
random access to typed files PASREF
random function PASREF
random number generator PRGTOOL,
 TECHREF1
random numbers TECHREF1
random subroutine TECHREF1
range checking
     off PASGDE
     on PASGDE
range(reserved word) PASREF
ranlib command CMDREF2
rasconf file TECHREF2
rate command (ate) MANAGE,
 USING
     fields
          echo using
          length using
          linefeed using
         parity USING
          stop USING
Ratfor programs CMDREF2
raw data listing FORGDE,
 PASGDE
raw I/O MANAGE
raw subroutine TECHREF1
rboot command CMDREF2
rc command CMDREF2
rcmd subroutine TECHREF1
rcp command TCPGDE
RCTE (Remote Control Terminal
 Echoing) PLNGDE
rcvdist command CMDREF2, MANAGE
rcvpack command CMDREF2, MANAGE
rcvstore command CMDREF2,
MANAGE
rcvtty command CMDREF2, MANAGE
rc.sendmail file MANAGE
rc.tcpip file TCPGDE
rdevcvt command CMDREF2
rdf command ADMIN, CMDREF2
rdist command TCPGDE
rdrdaemon command CMDREF2
rdrdaemon process ADMIN
rdump command CMDREF2
reactivate screen saver xwref
read attribute file
 stanza TECHREF1
read bitmap file xwreF
read command CMDREF2
read lock TECHREF1
READ message WHIP
read message interface WHIP
read operations CMDREF1
read permission DOSMRG,
 USING
```

```
read procedures
     char data PASREF
     from a file or any type PASREF
     integer data PASREF
     packed array of char PASREF
     real data PASREF
     shortreal data PASREF
     string data PASREF
     variables with a length PASREF
read protection USEGDE
READ statement COBREF
     description of FORREF
     format-specified FORREF
     list-directed
         R1 specifics FORREF
         VX specifics FORREF
         with internal files FORREF
     namelist-directed
         R1 specifics FORREF
         VX specifics FORREF
     unformatted FORREF
READ system call INTREF
    See also input/output
read system call TECHREF1
    with TCF TECHREF1
read (r) command USING
read (r) subcommand USING
read value of property XWREF
read-only mode PS2TEXT
readability, reformatting source files for
 USEREF
readdir subroutine TECHREF1
reader special file TECHREF2
readers for VM File
 Transfer ADMIN
readfile command PS2IN
readiness and system connection WHIP
reading
     a file tree TECHREF1
     a password TECHREF1
     a message INTREF
     a symbolic link INTREF
     files USING
     from a file INTREF,
      TECHREF1
     from a file, extended TECHREF1
    mail PS2GDE
    message from a queue TECHREF1
     next directory entry TECHREF1
     one line CMDREF1
     open a file to TECHREF1
reading bitmap files
     BitmapFileInvalid xwreF
     BitmapNoMemory XWREF
     BitmapOpenFailed XWREF
     BitmapSuccess XWREF
READLINK system call INTREF
     See also file maintenance
readlink system call TECHREF1
     with TCF TECHREF1
```

```
readln procedure PASREF
readmail command PS2GDE
readmail session PS2GDE
READONLY
     description of FORREF
     in OPEN statement FORREF
readonly command CMDREF2
readonly option PS2TEXT
reads or sets name of a
 window xwref
reads value of window manager hints
 atom XWREF
readstr PASREF
READV system call INTREF
     See also input/output
readv system call TECHREF1
READX system call INTREF
    See also input/output
readx system call TECHREF1
     with TCF TECHREF1
read/write file pointer
    move TECHREF1
READY TRACE statement COBREF
real
     constant FORREF
     data type FORREF
     editing
         R1 specifics FORREF
         VX specifics FORREF
     exponent FORREF
     part FORGDE,
     FORREF
     storage required PLNGDE
REAL FORGDE,
 FORREF
real data representation FORGDE,
PASGDE
real data
     reading PASREF
     writing PASREF
real group ID
     getting INTREF
     setting INTREF
real type
    notes PASREF
real user ID TECHREF1
    getting INTREF
     setting INTREF
REAL*4 FORREF
REAL*4 FORGDE
REAL*8 FORREF
REAL*8 FORGDE
realize procedures xwref
realizing widgets xwreF
realloc subroutine TECHREF1
rebind code XWREF
rebind keysym xwref
rebinding keysyms xwref
reboot INSTPS2
REBOOT system call INTREF
```

See also system utilities reboot system call **TECHREF1** rebuild AIX kernel TECHREF1 REC= specifier description of FORREF in PRINT statement FORREF in READ statement FORREF in WRITE statement FORREF VX specifics FORREF receive command (ATE) USING RECEIVE statement COBREF, WHIP receiving a message INTREF extended message from queue **TECHREF1** files ACCGDE from AIX/370 ADMIN from remote system (ATE) USING xmodem command MANAGE mail **USING** mail with the INed editor PS2GDE receiving files (BNU) from a remote system (uucp) **USING** local transfers (uucp) **USING** overview USING remote transfers (uucp) USING using uupick USING RECL= specifier description of FORREF in INQUIRE statement FORREF in OPEN statement FORREF recmstr command ADMIN, CMDREF2 recolor cursor **XWREF** reconstruct structured file PS2IN record constants **PASREF** description of FORREF description structure COBREF endfile FORREF fields, referencing PASREF format, file FORREF formatted FORREF locking **ACCADM** naming COBGDE number parameters COBGDE number specifier VX specifics FORREF sequential files COBGDE starting new FORREF unformatted **FORREF** RECORD clause COBREF RECORD CONTAINS clause COBREF record locking and record backups ACCGDE description ACCGDE multiple COBREF

```
single COBREF
     selection of network types ACCGDE
     support PLNGDE
record types
     defined PASREF
     field offset qualifications PASREF
     fixed records PASREF
     tag field PASREF
     variant records PASREF
record(reserved word) PASREF
record-level files USEREF
recorded times INTREF
recording information PLNGDE
RECORDING MODE clause COBREF
records of a process INTREF
recovering
     directories PS2IN
     deleted lines PS2TEXT
     files PS2IN
     from a system crash CMDREF1
     from unexpected failures MANAGE
     lost files PS2TEXT
RECOVERY WHIP
recovery procedures WHIP
recovery time WHIP
rectangle in a region
     RectangleIn xwreF
     RectangleOut XWREF
     RectanglePart xwreF
rectangles
     within region xwref
     drawing XWREF
     fill xwref
     set clip XWREF
recto, definition PS2TEXT
recto page PS2TEXT
recursive functions PASREF
recursive procedures PASREF
RECV system call INTREF
    See also messages
recv system call TECHREF1
RECVAT statement WHIP
RECVFROM system call INTREF
     See also messages
recvfrom system call TECHREF1
RECVMSG system call INTREF
     See also messages
recvmsg system call TECHREF1
red command CMDREF1
redefining the keyboard CMDREF1
REDEFINES clause COBGDE,
 COBREF
redirecting
     detached processes ACCGDE
     input ACCGDE,
     USING
     output ACCGDE,
     USING
     redirecting output
          background processes USING
```

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notation **USING** > USING >> USING redraw option PS2TEXT redraw screen function DOSMRG redrawing the screen PS2IN reduce region xwreF Reduced Instruction Set Computer (RISC) **PLNGDE** reducing regions XWREF reentrant attribute PASREF reexecuting last change command **PS2TEXT** reexecuting search command PS2TEXT ref declarations PASREF ref(reserved word) PASREF refer command CMDREF2 reference diskette INSTPS2 reference finish macro PS2TEXT reference format COBREF reference list macro PS2TEXT reference modification COBREF referenced variable PASREF references creating **PS2TEXT** lists **PS2TEXT** numbering PS2TEXT page **PS2TEXT** start macro PS2TEXT diskette INSTPS2 function CREF member CREF refile command CMDREF2, MANAGE reflecting errors to user TECHREF2 reflow text PS2IN REFORMAT command **USEREF** reformatting a DG source file COBGDE reform5 **COBGDE** REFRESH hot key WHIP refresh keyboard mapping **XWREF** REFRESH keys PS2IN refresh release AIX/370 PLNGDE refresh subroutine TECHREF1 refresh, definition XWGDE refreshing keyboard mapping xwref refreshing the screen PS2IN, PS2TEXT refusing messages CMDREF1 regcmp command CMDREF2 regcmp subroutine TECHREF1 regex subroutine TECHREF1 regexp facility TECHREF1 regions computing union with intersection **XWREF** empty, determine **XWREF** equal, two **XWREF** create new empty XWREF

```
destroy XWREF
     equal xwreF
     intersect XWREF
     move XWREF
     offset XWREF
     offsetting XWREF
     point in XWREF
     polygon xwref
     rectangle within xwreF
     reduce xwref
     set GC to XWREF
     subtract XWREF
     union XWREF
     union rect with XWREF
register action table xwref
register case converter xwref
register save area CGDE,
 FORGDE, PASGDE
register usage CGDE,
 FORGDE, PASGDE
register variables CREF
register window PRGTOOL
register work procedure xwref
registering new resource
 converter XWREF
registers CGDE,
 FORGDE, PASGDE
     assembler PRGTOOL
     special purpose PRGTOOL
     dumping DIAG
     number PS2TEXT
     POS (programmable option
      select) TECHREF2
regular expression MANAGE,
 PS2TEXT, TECHREF1
     advance TECHREF1
     compile TECHREF1
     definition PRGTOOL
     match TECHREF1
     step TECHREF1
     used with awk PRGTOOL
regular inode type MANAGE
reinstating users MANAGE
rejecting updates ADMIN,
 MANAGE
related licensed programs PS2GIM
relational
     database operator CMDREF1
     expressions FORREF,
      PRGTOOL
     operator CREF,
      FORREF
relational data base
 support PS2GIM
relational operators
     comparison PASREF
     of scalars PASREF
     set PASREF
     string PASREF
relative files COBGDE
```

```
relative I-O COBREF
relative path TECHREF1
relative path names USEGDE
     to current working
      directory USING
     to level below current working
      directory (.) USING
     to parent directory (...)
        USING
release GC xwreF
release procedure PASREF
RELEASE statement COBREF
release, SID PRGTOOL
release, vendor xwref
releasing a signal INTREF
releasing blocked signals TECHREF1
remainder function TECHREF1
remap events XWREF
remap option PS2TEXT
remapping control keys
 (ate) MANAGE
REMARKS paragraph COBREF
remind command PS2GDE
reminder service CMDREF1
remind/delrem PS2GDE
remote
     BNU commands, running
     USING
     BNU communications, setting
     up MANAGE
     BNU file transfers USING
     boot INSTPS2, INST370
     command execution
     protocol TCPGDE
     definition of TCPGDE
     file access PS2GIM
     files USING
     files, daemons MANAGE
     files, NFS MANAGE
     hft TECHREF2
     host command execution TECHREF1
     login TECHREF2
     printing ADMIN
     session XWGDE
     usage of X-Windows XWGDE
     VM printing ADMIN
Remote Control Terminal Echoing
 (RCTE) PLNGDE
remote mail
     configuring
          automatic mail delivery
            PS2GDE
          call out PS2GDE
          calling out PS2GDE
         defining a remote system
            PS2GDE
          general prerequisites
           PS2GDE
          local login name PS2GDE
          local password PS2GDE
```

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```
prerequisite information
            PS2GDE
          starting remote facilities
            PS2GDE
          testing PS2GDE
          worksheet PS2GDE
     overview PS2GDE
Remote Procedure Call (RPC)
     See RPC
Remote Procedure Call Language (RPCL)
     See RPCL
remote requests
     authentication TECHREF1
Remote Spooling Communications Sub-
 system (RSCS)
     See RSCS
remote system
     connection CMDREF1, PS2GDE
     connecting to PS2GDE
     copying files to
          Connect PS2GDE
     exchanging files with PS2GDE
     finding files and directories
      with INftp PS2GDE
     mail CMDREF2
     printing on PS2GDE
     using the INed editor
      on PS2GDE
remote system (BNU)
     breaking a cu connection USING
     connecting to (cu) USING
     connecting via a modem
      (ct) USING
     identifying compatible
      (uuname) USING
     local to remote file copy
      (cu) USING
     names USING
     remote to local file copy
      (cu) USING
     returning to local system
      (cu) USING
     specifying telephone
     number USING
     specifying transmission
     rate USING
     using a modem (cu) USING
remotely-settable hardware
 tabs CMDREF2
remote.unknown file (BNU) MANAGE
remove command CMDREF1
remove
     host xwref
     hosts XWREF
     next event XWREF
     next window event xwref
     saveset XWREF
     window from client
      saveset XWREF
     work procedure xwreF
```

```
next event XWREF
    next event, flushes buffer,
     copies it XWREF
remove system call TECHREF1
    with TCF TECHREF1
removing
    a directory INTREF
    a file system INTREF
    a lock INTREF
    a process identifier INTREF
    a message queue CMDREF1
    a semaphore set CMDREF1
    a shared memory ID CMDREF1
    absolute permissions USING
    callback xwref
    callback procedures xwref
    callbacks XWREF
    characters USING
    children from a managed
     set XWREF
    directories USING
    directory entry TECHREF1
    delta from SCCS file CMDREF2
    devices CMDREF1
    directories
         delete CMDREF2
         rm CMDREF2
         rmdir CMDREF2
    DOS files CMDREF1
    ENTER box PS2IN
    event handler xwreF
    file history PS2IN
    file links USING
    files USING
         del CMDREF1
         rm CMDREF2
         skulker CMDREF2
    from saveset XWREF
    groups CMDREF1
    help pop-ups USEREF
    hidden files ADMIN
    host XWREF
    hosts XWREF
    input XWREF
    input sources XWREF
    menu box PS2IN
    message box PS2IN
    message queues CMDREF1
    MH folders MANAGE
    MH messages MANAGE
    pop-ups USEGDE
    queue element TECHREF1
    repeated words CMDREF2
    timeouts XWREF
    users CMDREF1
    users, SCCS CMDREF1
     ... (dots files) PS2IN
remque subroutine TECHREF1
REN command DOSMRG
RENAME command USEREF
```

```
rename subcommand PS2GDE
rename subcommand (TCP/IP) USING
RENAME system call INTREF
    See also file maintenance
rename system call TECHREF1
    with NFS TECHREF1
RENAMES clause COBREF
renaming
    directories CMDREF2,
     INTREF, PS2IN,
     USING, USEREF
     files ACCGDE,
     CMDREF2, DOSMRG,
     PS2IN, USING,
     USEREF
renice command CMDREF2
repairing
    damaged files CMDREF1
     wtmp records CMDREF1
reparent window XWREF
reparenting window XWREF
ReparentNotify xwref
ReparentNotify event xwref
repeat block
    assembler PRGTOOL
repeat factor FORREF
repeat(reserved word) PASREF
REPEAT-UNTIL statement WHIP
repeatable edit-descriptor
     See edit-descriptor
repeated words, deleting CMDREF2
repeating
     AIX commands USEGDE
    DOS commands USEGDE
     last change command PS2TEXT
     the last argument PS2IN
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 operation TECHREF2
repl command CMDREF2, MANAGE
replace buffer PS2IN
REPLACE key PS2IN
replace mode TECHREF2
replace (rpl) command PS2IN
REPLACE statement COBREF
replaces component to a file PASREF
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     character strings USING
     characters PS2TEXT
     text PS2IN
     words PS2TEXT
ReplayKeyboard xwreF
ReplayPointer xwreF
replcomps file (MH) MANAGE
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 INST370
     checking DIAG
replicated root INST370,
 INSTPS2
replicated root file system
```

```
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     definition of PLNGDE
     primary and secondary copies
     of PLNGDE
     TCF USING
replicating files ADMIN
replies XWREF
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replying to mail with the INed
 editor PS2GDE
REPORT clause COBREF
REPORT description entry COBREF
report description entry in the interprogram
 communication module COBREF
report footing presentation rules COBREF
report group description entry COBREF
report heading group presentation rules
  COBREF
report option PS2TEXT
report writer module
     Data Division
         CODE clause COBREF
         COLUMN NUMBER clause COBREF
         CONTROL clause COBREF
         Data-name clause COBREF
         GROUP INDICATE clause COBREF
         level-number COBREF
         LINE NUMBER clause COBREF
         NEXT GROUP clause COBREF
         PAGE clause COBREF
         REPORT clause COBREF
         report description entry COBREF
         report group description entry COBREF
         REPORT SECTION COBREF
         SIGN clause COBREF
         SOURCE clause COBREF
         SUM clause COBREF
         TYPE clause COBREF
         USAGE clause COBREF
         VALUE clause COBREF
     Environment Division
         FILE-CONTROL paragraph COBREF
          I-O-CONTROL paragraph COBREF
     file description entry COBREF
     INPUT-OUTPUT SECTION COBREF
     language concepts COBREF
     Procedure Division
         CLOSE statement COBREF
         GENERATE statement COBREF
         INITIATE statement COBREF
         OPEN statement COBREF
         SUPPRESS statement COBREF
         TERMINATE statement COBREF
         USE BEFORE REPORTING
          statement COBREF
     section COBREF
     structure COBREF
     subdivisions COBREF
report writer statements COBREF
reporting
```

```
CPU time used TECHREF1
     problems to IBM
          APARs, submitting DIAG
          example of DIAG
          failure-type keywords DIAG
          forms DIAG
         problem symptom strings DIAG
reports
     accounting CMDREF1
     SCCS CMDREF1
     system accounting MANAGE
repositioning the file pointer of a
 stream TECHREF1
repquota command CMDREF2
representation dependence PASGDE
representing real numbers CGDE,
 FORGDE, PASGDE
REPRO PLNGDE
REPRO pseudo-op PRGTOOL
request maximum size XWREF
request processed, last known xwref
request width PS2TEXT
request number-handling,
 formatter PS2TEXT
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     information about users USING
     remote system status USING
requesting devices
 command INST370, INSTPS2
     listing INST370
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     definition PS2TEXT
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     next XWREF
     special local motion PS2TEXT
     tbl program
          T# PS2TEXT
          .ne (need) PS2TEXT
          .TE (table end) PS2TEXT
          .TH (table header) PS2TEXT
          .TS (table start) PS2TEXT
          .T& (table continue) PS2TEXT
     that can cause breaks PS2TEXT
     troff and viewgraph
      synonyms PS2TEXT
     viewgraph macro package
          ~ (constant space) PS2TEXT
          requests that cause breaks PS2TEXT
          .A (A level) PS2TEXT
          .B (B level) PS2TEXT
          .C (C level) PS2TEXT
          .D (D level) PS2TEXT
          .DF (default font) PS2TEXT
          .DV (default vertical space PS2TEXT
          .I (indent) PS2TEXT
          .S (size) PS2TEXT
          .SH (square big) PS2TEXT
          .Sh (square small) PS2TEXT
          .SW (square big) PS2TEXT
          .Sw (square small) PS2TEXT
```

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```
.T (title) PS2TEXT
          .U (underline) PS2TEXT
          .VH (big high) PS2TEXT
          .Vh (small high) PS2TEXT
          .VS (square) PS2TEXT
          .VW (big wide) PS2TEXT
          .Vw (small wide) PS2TEXT
REQUIRED clause COBREF
required list, definition
     XInstallColormap xwref
     XListInstalledColormaps XWREF
     XUninstallColormap XWREF
requirements PS2GDE
     DASD space for AIX/370 PLNGDE
     emulation ACCADM
     Ethernet environment ACCADM
     for installation INST370,
      INSTPS2
     hardware and software ACCADM
     host ACCADM
     in VM for AIX/370 PLNGDE
     minimum hardware configuration
      for AIX/370 PLNGDE
     network ACCADM
     personal computer ACCADM
     processor storage for
     AIX/370 PLNGDE
     PS/2 WHIP
     RS-232 ACCADM
     RT
         hardware PS/2 WHIP
         hardware RT WHIP
          software WHIP
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     terminal emulation ACCADM
     to run AIX/370 PLNGDE
     Token-Ring-based communications ACCADM
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reread locked record switch COBGDE
reserved TECHREF1
     identifiers, list of CREF
     keywords CREF
reserved characters USING
     shell USING
          < USING
          & USING
           USING
          > USING
          ? USING
reserved word list COBREF
reserved words COBGDE,
 COBREF, WHIP
reserved words(table) PASREF
reserving block space PS2TEXT
reset procedure PASGDE,
 PASREF
reset screen saver XWREF
RESET TRACE statement COBREF
resetterm subroutine TECHREF1
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```

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shift, single TECHREF2
shift-in (SI) character MBCS
Shift-JIS code MBCS
```

ShiftMask XWREF shift-out (SO) character MBCS shiftwidth option PS2TEXT shlibrpt command CMDREF2 shlib2 command CMDREF2 SHMAT system call INTREF See also shared memory shmat system call TECHREF1 with TCF TECHREF1 SHMCTL system call INTREF See also shared memory shmctl system call **TECHREF1** with TCF TECHREF1 SHMDT system call INTREF See also shared-memory shmdt system call TECHREF1 SHMGET system call INTREF See also shared memory shmget system call **TECHREF1** with TCF TECHREF1 shmop system calls **TECHREF1** with TCF TECHREF1 short CREF short-haul modem MANAGE shorten a file TECHREF1 shortreal data representation PASGDE reading **PASREF** writing **PASREF** shortreal type notes **PASREF** SHOW command USEGDE, USEREF show command CMDREF2, MANAGE show minidisk command INSTPS2 showall command INST370, INSTPS2 showdev command INST370, INSTPS2 showdir subcommand PS2GDE showing a window **XWGDE** accounting report CMDREF1 available space CMDREF1 banner strings CMDREF1 block count of a file CMDREF2 calendars **CMDREF1** checksum of a file CMDREF2 commands **USEREF** compressed files CMDREF2 corresponding group names and IDs **CMDREF1** corresponding user names and IDs **CMDREF1** current directory CMDREF2 date **CMDREF1** device descriptions USEREF documents formatted with the Memorandum Macros CMDREF2 files **USEGDE**,

```
USEREF
```

formatted files CMDREF2 FORTRAN source files CMDREF1 group membership CMDREF1 home directory **PS2IN** login name CMDREF1 login records CMDREF1 messages from message catalog CMDREF1 minidisks INSTPS2 news items CMDREF2 NFS statisitics CMDREF2 packed files CMDREF2 process accounting records **CMDREF1** process status CMDREF2 profile data CMDREF2 quotas for file system CMDREF2 SCCS file editing activity CMDREF2 session record CMDREF1 site path of current process CMDREF2 time of version PS2IN tools groups **USEREF** total accounting report **CMDREF1** users **USEREF** showmatch option PS2TEXT showmode option PS2TEXT showmount command CMDREF2 shrink region xwref shut down socket connection TECHREF1 shutacct command CMDREF1 shutdown command ADMIN, CMDREF2, USING shutdown problems DIAG recovery procedure without system console support **DIAG** shutdown socket system call **TECHREF1** SHUTDOWN system call INTREF See also sockets shutting down **USEGDE** a socket **INTREF** the system CMDREF2 SID PRGTOOL SIGACTION system call INTREF See also signals sigaction system call TECHREF1 sigaddset subroutine TECHREF1 SIGALRM signal TECHREF1 sigblock subroutine TECHREF1 SIGBLOCK system call INTREF See also signals sigblock system call TECHREF1 SIGBUS signal TECHREF1 SIGCHLD signal TECHREF1 SIGCLD signal TECHREF1 SIGCONT signal TECHREF1

SIGDANGER signal TECHREF1 sigdelset subroutine TECHREF1 sigemptyset subroutine TECHREF1 SIGEMT signal TECHREF1 sigfillset subroutine TECHREF1 SIGFPE signal TECHREF1 SIGGRANT signal TECHREF1 SIGHUP signal TECHREF1 SIGILL signal TECHREF1 SIGINT signal TECHREF1 SIGIO signal TECHREF1 sigismember subroutine TECHREF1 SIGKILL signal TECHREF1 SIGMIGRATE signal TECHREF1 SIGMSG signal TECHREF1 SIGN clause COBREF sign condition COBREF sign control FORREF sign extension PLNGDE sign operators identity (+) PASREF negation (-) PASREF SIGN parameter COBGDE signal **PRGTOOL** action TECHREF1 handling **PRGTOOL** handling, selecting INTREF handler **TECHREF1** mask **INTREF**, TECHREF1 setting TECHREF1 overview TECHREF1 sample program PRGTOOL selection INTREF stack **TECHREF1** stack context TECHREF1 trapping PRGTOOL signal subroutine TECHREF1 SIGNAL system call INTREF See also signals signal system call TECHREF1 signal-catching function TECHREF1 signal-handling facilities INTREF signals TECHREF1, TECHREF2 blocking INTREF catching **INTREF** handling within device drivers TECHREF2 ignoring **INTREF** library functions PRGTOOL list **INTREF** processing INTREF release blocked TECHREF1 releasing **INTREF** resetting a mask INTREF responding to INTREF restoring a mask INTREF setting **INTREF** signal-handling facilities INTREF software **TECHREF1**

```
software generated PRGTOOL
    specifying INTREF
    specifying a response INTREF
    stack, alternate INTREF
    system calls
         ALARM INTREF
         KILL INTREF
         KILLPG INTREF
         PAUSE INTREF
         SIGACTION INTREF
         SIGBLOCK INTREF
         SIGNAL INTREF
         SIGPAUSE INTREF
         SIGPROCMASK INTREF
         SIGSETMASK INTREF
         SIGSTACK INTREF
         SIGSUSPEND INTREF
         SIGVEC INTREF
    terminating a process INTREF
    terminating a process group INTREF
    unblocking INTREF wating for INTREF
signature macro PS2TEXT
signed CREF
signed constant FORREF
signed integer multiply instructions
    assembler PRGTOOL
signed receiving items COBREF
signause subroutine TECHREF1
SIGPAUSE system call INTREF
    See also signals
sigpending system call TECHREF1
SIGPIPE signal TECHREF1
SIGPRE signal TECHREF1
SIGPROCMASK system call INTREF
    See also signals
sigprocmask system call TECHREF1
SIGPROF signal TECHREF1
SIGPWR signal TECHREF1
SIGQUIT signal TECHREF1
SIGRETRACT signal TECHREF1
SIGSEGV signal TECHREF1
sigsetmask subroutine TECHREF1
SIGSETMASK system call INTREF
    See also signals
sigsetmask system call TECHREF1
SIGSOUND signal TECHREF1
SIGSTACK system call INTREF
    See also signals
sigstack system call TECHREF1
SIGSTOP signal TECHREF1
SIGSUSPEND system call INTREF
    See also signals
sigsuspend system call TECHREF1
SIGSYS signal TECHREF1
SIGTERM signal TECHREF1
SIGTRAP signal TECHREF1
SIGTSTP signal TECHREF1
SIGTTIN signal TECHREF1
SIGTTOU signal TECHREF1
```

```
SIGURG signal TECHREF1
SIGUSR1 signal TECHREF1
SIGUSR2 signal TECHREF1
sigvec subroutine TECHREF1
SIGVEC system call INTREF
    See also signals
sigvec system call TECHREF1
SIGVTALRM signal TECHREF1
SIGWINCH signal TECHREF1
SIGXCPU signal TECHREF1
SIGXFSZ signal TECHREF1
simple insertion editing COBREF
simple types
    alfa type PASREF
    alpha type PASREF
    scalar PASREF
    subrange types PASREF
simple window, create XWREF
simple-expr PASREF
sin function PASREF
sin subroutine TECHREF1
sine PASREF
sine function TECHREF1
single record lock COBREF
single resource, add xwref
single stepping TECHREF1
single system image PS2GIM
single-byte code MBCS
single-byte controls TECHREF2
single-indirect block MANAGE
single-indirection block ADMIN
single-shift byte MANAGE
single-shift control TECHREF2
single-user environment,
create ADMIN
single-width characters MBCS
singlebyte characters ADMIN
sinh subroutine TECHREF1
site
    configuration ADMIN
    dependent, AIX PS/2 installation
      INST370
    in /etc/filesystems
     stanza MANAGE
    secondary INST370
site command ADMIN, CMDREF2,
DIAG, PLNGDE
site command (TCF) USING
site file routines
    endsf TECHREF1
    setsf TECHREF1
    sfctype TECHREF1
    sfent TECHREF1
    sfname TECHREF1
    sfnum TECHREF1
    sfxcode TECHREF1
    with TCF TECHREF1
site file-format TECHREF2
    with TCF TECHREF2
site name INST370
```

```
site name field, site TECHREF2
site number, changing CMDREF2
site number field, site TECHREF2
site path, managing TECHREF1
site permission mask TECHREF1
site permissions PLNGDE
site system call TECHREF1
site table, displaying DIAG
sitechar command CMDREF2
sitelocal command CMDREF2
sitename command CMDREF2
sitenum command CMDREF2
site-specific parameters TECHREF2
sites file PS2GDE
    descriptions PS2GDE
sites.delta file PS2GDE
site_exec_perm MANAGE
site_info MANAGE
size
    DASD INST370
    hints, get XWREF
    hints, set XWREF
    hints, sets XWREF
    in bits, bitmap unit XWREF
    in /etc/filesystems
     stanza MANAGE
    of display, query best xwref
    query best cursor XWREF
    root-file system space
     problem ADMIN
SIZE clause COBREF
size command CMDREF2
size macro PS2TEXT
sizeFont, keyword xwGDE
sizeof function PASREF
sizeof operator CREF
size, type PS2TEXT
skip FORREF
    in /etc/filesystems
     stanza MANAGE
    lines PASGDE
    locked record switch COBGDE
    to new page PASREF
skipping pages PS2TEXT
SKIP1, SKIP2, SKIP3 statements COBREF
skulker command ADMIN, CMDREF2
slap keyword TECHREF2
slash FORREF
slash edit-descriptor FORREF
Slash key DOSMRG
sleep command CMDREF2
sleep kernel subroutine TECHREF2
sleep subroutine TECHREF1
SLIH (second-level interrupt
handler) TECHREF2
slocal command CMDREF2, MANAGE
slocal program TECHREF2
slow sleep TECHREF2
slowopen option PS2TEXT
smaller string macro PS2TEXT
```

smdemon.cleanu file MANAGE smdemon.cleanup program MANAGE SNA (System Network Architecture) PLNGDE, PRGTOOL snftortx command XWREF snoop debugger **DIAG** sockaddr structure TECHREF1, TECHREF2 sockaddr_in structure TECHREF2 socket bind to privileged address TECHREF1 create **TECHREF1** definition TECHREF1 initiate a connection TECHREF1 options TECHREF1 peer name TECHREF1 socket connection accept TECHREF1 listen TECHREF1 shut down TECHREF1 socket message receive TECHREF1 send TECHREF1 socket name TECHREF1 bind **TECHREF1** socket pair, creating INTREF SOCKET system call INTREF See also sockets socket system call TECHREF1 SOCKETPAIR system call INTREF See also sockets socketpair system call TECHREF1 sockets **TECHREF1** connecting **INTREF** creating **INTREF** definition of TCPGDE disabling INTREF endpoint, creating INTREF getting a name INTREF getting options INTREF in TCP addressing TCPGDE listening for INTREF naming **INTREF** overview **TECHREF1** pending connections INTREF routines **TECHREF1** setting options INTREF shutting down INTREF system calls ACCEPT INTREF BIND INTREF CONNECT INTREF GETPEERNAME INTREF GETSOCKNAME INTREF GETSOCKOPT INTREF LISTEN INTREF SETSOCKOPT INTREF SHUTDOWN INTREF SOCKET INTREF

SOCKETPAIR INTREF sockets subroutine library TECHREF1 soelim command CMDREF2 soft wait **DIAG** software **MBCS** AIX PS/2 MBCS AIX/370 MBCS compatibility ACCADM definition of **DIAG** errors, information on PLNGDE for Japanese locales MBCS identifying the problem source **DIAG** overview of BNU MANAGE packages, in a TCF cluster, typical diagram of PLNGDE prerequisites TCPGDE PSF MBCS PS/55 as 3270 MBCS record **DIAG** format of **DIAG** software error record DIAG requirements DOSMRG, PLNGDE for PS/2 WHIP for RT WHIP RSCS MBCS signals TECHREF1 structure **ACCADM** terminal emulation MBCS VM MBCS VM/XA SP MBCS X-Windows MBCS software library establishing ACCADM tailoring ACCADM Sort command AIX vs. DOS DOSMRG specifying DOS, not AIX DOSMRG SORT command **USEREF** sort command CMDREF2, PS2IN SORT statement COBREF sort switch COBGDE SORT-CONTROL Special Register COBREF SORT-CORE-SIZE Special Register COBREF SORT-FILE-SIZE Special Register COBREF sort-merge Data Division DATA RECORDS clause COBREF file description COBREF Environment Division file-control entry COBREF FILE-CONTROL paragraph COBREF I-O-CONTROL paragraph COBREF Procedure Division MERGE statement COBREF RECORD CONTAINS clause COBREF RELEASE statement COBREF

RETURN statement COBREF

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SORT statement COBREF relationship with file input and output COBREF SORT-MERGE file description COBREF SORT-MESSAGE Special Register COBREF SORT-MODE-SIZE Special Register COBREF SORT-RETURN Special Register COBREF sortbib command CMDREF2 sorting directory contents USEREF file contents **USEREF** files CMDREF2 text **PS2IN** sortm command CMDREF2, MANAGE sort, array TECHREF1 sort, quick TECHREF1 SORTMERGE command USEREF sound command CMDREF2 sound command, hft TECHREF2 sound data TECHREF2 SOURCE clause COBREF source code external references flow graph CMDREF1 Source Code Control System (SCCS) See SCCS source file (BNU) USING source files checking for syntax errors USEREF compiling **USEREF** interpreting **USEREF** link editing **USEREF** making a cross-reference list of USEREF reformatting for readability USEREF source format COBREF source printed off **PASGDE** on **PASGDE** source statements assembler PRGTOOL SOURCE-COMPUTER paragraph COBREF SOURCEFILE parameter COBGDE SP edit-descriptor FORREF space FORREF, PLNGDE allocation change for data segment TECHREF1 character CREF declarations referencing PASREF forced **PS2TEXT** inserting vertical PS2TEXT requirements, minidisk INSTPS2 reserving block PS2TEXT to end-of-field WHIP used by files or directories USEREF SPACE pseudo-op PRGTOOL space subroutine TECHREF1 space(reserved word) PASREF spaces CREF spaces (blanks) PASREF spaces, naming CREF

```
spacing
    line PS2TEXT
Spanish
    keyboard layouts PS2KEY
    keyboard overview PS2KEY
    keyboard tables PS2KEY
special characters PS2TEXT
    definitions for
     eqn and neqn TECHREF2
    mathematical PS2TEXT
    R1 specifics FORREF
    substitute (s)
     subcommand USING
    VX specifics FORREF
special delimiters PS2TEXT
special files MANAGE, TECHREF1,
TECHREF2
    create TECHREF1
    creating INTREF
    FIFO TECHREF1
    multiplexed device TECHREF2
    path name extension TECHREF2
    pipe TECHREF1
special functions
    END OF FILE USING
    INTERRUPT USING
    NEXT WINDOW USING
    RESUME OUTPUT USING
    STOP OUTPUT USING
special insertion editing COBREF
special mathematical
characters PS2TEXT
special names,
mathematical PS2TEXT
special processing INSTPS2
    devices INST370, INSTPS2
    minidisks INSTPS2
special register (report writer module)
    LINE-COUNTER COBREF
    PAGE-COUNTER COBREF
    PRINT-SWITCH COBREF
special registers (language concepts)
    ADDRESS COBREF
    CURRENT-DATE COBREF
    RETURN-CODE COBREF
    SORT-CONTROL COBREF
    SORT-CORE-SIZE COBREF
    SORT-FILE-SIZE COBREF
    SORT-MESSAGE COBREF
    SORT-MODE-SIZE COBREF
    SORT-RETURN COBREF
    TALLY COBREF
    TIME-OF-DAY COBREF
    WHEN-COMPILED COBREF
special requirement file PRGTOOL
special shell characters USING
special shell variables USING
special symbols CREF
special user ID
    adm CMDREF2
```

```
root CMDREF1, CMDREF2
special (device) files
    adding CMDREF1
    changing CMDREF1
    creating CMDREF2
    deleting CMDREF1
    standard devices, table of CMDREF2
     /dev/null
         acctcom CMDREF1
         standard input assigned to CMDREF1
SPECIAL-NAMES paragraph COBREF
specific line, going to PS2IN
specific options CGDE
specification of text file
format TECHREF2
specification statement
    description of FORREF
specifies name XWREF
specifying
    a signal INTREF
    global defaults XWGDE
    search paths PS2IN
    the printer command line
      PS2TEXT
    version date cutoff CMDREF1
speed setting TECHREF2
spell command CMDREF2
spellin command CMDREF2
spellout command CMDREF2
spellprog program CMDREF2
splblkio kernel
subroutine TECHREF2
splhigh kernel
subroutine TECHREF2
splimp kernel subroutine TECHREF2
spline command CMDREF2
split command CMDREF2
split-key name COBREF
splitting
    a file into pieces CMDREF2
    files by context CMDREF1
    lines PS2IN
    text PS2IN
    windows PS2IN
splnet kernel subroutine TECHREF2
splp command CMDREF2
splx kernel subroutine TECHREF2
spool directory ADMIN
spool queue handling PLNGDE
spool subcommand PS2GDE
spost command CMDREF2, MANAGE,
PS2GDE
spray CMDREF2
sprintf subroutine TECHREF1
spropin system call TECHREF1
sptab command (crash) DIAG
sputl subroutine TECHREF1
spzero option COBGDE
SQL support PS2GIM
sgr functions PASREF
```

sgrt function PASREF sgrt subroutine TECHREF1 square of a number PASREF square root PASREF PS2TEXT, PRGTOOL, TECHREF1 srand subroutine TECHREF1 srandom subroutine TECHREF1 srand48 subroutine TECHREF1 srbt parameter WHIP SS edit-descriptor FORREF sscanf subroutine TECHREF1 ssignal subroutine TECHREF1 sss keyword TECHREF2 SS1-SS4 TECHREF2 stack buffer PS2IN definition PS2IN stack data structure CGDE, FORGDE, PASGDE Stack frame CGDE FORTRAN conventions CGDE frame pointer **CGDE**, FORGDE, PASGDE input parameter words CGDE, FORGDE, PASGDE layout **CGDE** linkage area CGDE, FORGDE, PASGDE local area **CGDE**, FORGDE, PASGDE output parameter words CGDE, FORGDE, PASGDE register save area CGDE, FORGDE, PASGDE temporary area CGDE, FORGDE, PASGDE total frame CGDE, FORGDE, PASGDE stack pop instructions assembler PRGTOOL stack segment TECHREF1 stack signal TECHREF1 stack, alternate signal INTREF StackCheck routine CGDE stacking order, definition xwref STACKS command DOSMRG staggering lines PS2TEXT stand-alone backup MANAGE restoring MANAGE standalone shell commands available MANAGE ending **MANAGE** system management MANAGE standalone site INSTPS2 standard alignment rules COBREF environment for users, create ADMIN error ACCGDE, USING

input ACCGDE cmp CMDREF1 definition of PS2IN redirecting **USING** interprocess communication package **TECHREF1** I/O TECHREF1 subroutine library TECHREF1 output **ACCGDE** definition of PS2IN device list PASGDE redirecting **USING** properties, set XWREF signal processing INTREF standard BNU entries Devices file MANAGE Dialers file MANAGE Permissions file (BNU) MANAGE Systems file MANAGE standard colormap properties and atoms RGB_BEST_MAP atom xwref RGB_BLUE_MAP atom XStandardColormaps **XWREF** RGB DEFAULT MAP atom XStandardColormap xwref RGB_GRAY_MAP atom XStandardColormap **XWREF** RGB_GREEN_MAP atom XStandardColormaps **XWREF** RGB_RED_MAP atom XStandardColormaps xwref XSetStandardColormap XWREF standard colormaps **XWREF** get **XWREF** set **XWREF** standard files input PASREF output **PASREF** stderr **PASREF** standard routines hbound **PASREF** highest **PASREF** lbound **PASREF** lowest **PASREF** max **PASREF** min **PASREF** picture **PASREF** pred **PASREF** succ **PASREF** standard types boolean **PASREF** char **PASREF** integer **PASREF** real **PASREF** shortreal **PASREF** text **PASREF** standend subroutine TECHREF1 standout subroutine TECHREF1

```
stanza
    adding TECHREF1
    deleting TECHREF1
    reading TECHREF1
    replacing TECHREF1
    writing TECHREF1
    /etc/filesystems
     definition MANAGE
START PLNGDE
    character TECHREF2
start AIX session WHIP
START pseudo-op PRGTOOL
START statements ADMIN,
COBREF, WHIP
starting
    a DOS session DOSMRG
    a new AIX shell DOSMRG
    AIX Access for DOS Users ACCADM
    AIX/370 PLNGDE
    application programs USEGDE
    ATE USING
    AUTOLOG PLNGDE
    ed USING
    procedures, planning
     for PLNGDE
    the system CMDREF1,
     MANAGE
    trace activity USEREF
    vi PS2TEXT
    X.25 LPP MANAGE
starting X-Windows
    aixterm XWGDE
    aixwm xwgde
    X XWGDE
    xinit XWGDE
starts session WHIP
STARTTRACE command USEREF
startup command CMDREF1, DIAG
startup files INSTPS2,
INST370
startup initialization CMDREF2
startup shell
    actmngr CMDREF1
startup.zzz file PS2GDE
STAT system call INTREF
    See also file maintenance
stat system call PLNGDE,
TECHREF1
state 2 ADMIN
state 3 ADMIN
statement
    ACCEPT (VX mode) FORREF
    arithmetic assignment
         R1 specifics FORREF
         VX specifics FORREF
    arithmetic IF FORREF
    arithmetic type
         R1 specifics FORREF
         VX specifics FORREF
    ASSIGN FORREF
```

assigned GOTO FORREF assignment FORREF BACKSPACE FORREF BLOCK DATA FORREF block IF FORREF CALL R1 specifics FORREF character assignment FORREF character type R1 specifics FORREF VX specifics FORREF CLOSE FORREF COMMON R1 specifics FORREF VX specifics FORREF computed GOTO VX specifics FORREF CONTINUE FORREF control **FORREF** control transfer R1 specifics FORREF VX specifics FORREF DATA R1 specifics FORREF VX specifics FORREF description of FORREF DIMENSION R1 specifics FORREF VX specifics FORREF DO VX specifics FORREF DO WHILE FORREF ELSE FORREF ELSEIF FORREF END FORREF END DO FORREF ENDFILE FORREF ENDIF FORREF ENTRY VX specifics FORREF **EQUIVALENCE** R1 specifics FORREF VX specifics FORREF executable FORREF execution sequence R1 specifics FORREF VX specifics FORREF EXTERNAL FORREF fixed-form FORREF FORMAT R1 specifics FORREF free-form FORREF FUNCTION FORREF GOTO VX specifics FORREF IF-THEN-ELSE FORREF IMPLICIT R1 specifics FORREF VX specifics FORREF input/output

VX specifics FORREF INQUIRE FORREF INTRINSIC FORREF label FORREF logical assignment VX specifics FORREF logical IF FORREF logical type R1 specifics FORREF VX specifics FORREF NAMELIST PRINT specified FORREF READ specified FORREF R1 specifics FORREF VX specifics FORREF WRITE specified FORREF nonexecutable FORREF OPEN R1 specifics FORREF VX specifics FORREF order R1 specifics FORREF VX specifics FORREF overview of **FORREF** PARAMETER R1 specifics FORREF VX specifics FORREF PAUSE FORREF PRINT FORREF PROGRAM FORREF READ FORREF RETURN R1 specifics FORREF VX specifics FORREF REWIND FORREF R1 specifics FORREF SAVE FORREF specification FORREF statement label assignment FORREF STOP FORREF SUBROUTINE FORREF type **FORREF** TYPE (VX mode) FORREF unconditional GOT FORREF VIRTUAL (VX mode) FORREF VX specifics FORREF WRITE FORREF statement function FORREF statement label assignment statement **FORREF** statement labels scope of PASREF statement processing assembler **PRGTOOL** statements ACCEPT COBREF ACCEPT MESSAGE COUNT COBREF ADD COBREF ALTER COBREF arithmetic COBREF

asm CREF assignment **PASREF**, **PRGTOOL** break **CREF** CALL COBREF CANCEL COBREF case CREF CHAIN COBREF CLOSE COBREF COMMIT COBREF compound CREF COMPUTE COBREF conditional CREF, COBREF continue CREF CONTINUE COBREF COPY COBREF COPY INDEXED COBREF DELETE COBREF delimited scope statements COBREF DISABLE COBREF DISPLAY COBREF DIVIDE COBREF do **CREF** do-while CREF EJECT COBREF ENABLE COBREF ENTER COBREF ENTRY COBREF EVALUATE COBREF EXAMINE COBREF EXECUTE COBREF EXHIBIT COBREF EXIT COBREF EXIT PROGRAM COBREF expression CREF for **CREF** GENERATE COBREF GO TO COBREF GOBACK COBREF goto CREF if CREF ΙF COBREF imperative COBREF INITIALIZE COBREF INITIATE COBREF INSPECT COBREF labels **PASREF** MERGE COBREF MOVE COBREF MULTIPLY COBREF null CREF ON COBREF OPEN COBREF OPTIONS FORGDE PERFORM COBREF procedure reference PASREF @PROCESS FORGDE

PURGE COBREF
READ COBREF

```
READY TRACE COBREF
    RECEIVE COBREF
    RELEASE COBREF
    REPLACE COBREF
    RESET TRACE COBREF
    RETURN COBREF
    return CREF
    REWRITE COBREF
    SEARCH COBREF
    SEND COBREF
    SET COBREF
    SKIP1, SKIP2, SKIP3 COBREF
    SORT COBREF
    START COBREF
    STOP COBREF
    STOP RUN COBREF
    STRING COBREF
    SUBTRACT COBREF
    summary of CREF
    SUPPRESS COBREF
    switch CREF
    TERMINATE COBREF
    TITLE COBREF
    TRANSFORM COBREF
    UNLOCK COBREF
    UNSTRING COBREF
    USE COBREF
    USE BEFORE REPORTING COBREF
    while CREF
    WRITE COBREF
states, keyboard PS2KEY
STATIC (R1 mode) FORREF
static declarations PASREF
static display PS2TEXT
static display macro PS2TEXT
STATIC implementation FORGDE
static initialization FORREF
static link CGDE,
FORGDE, PASGDE
    C conventions CGDE
static linking and dynamic loading COBGDE
static variables CREF,
PASREF
static(reserved word) PASREF
statically linkable native code COBGDE
statically linked code COBGDE
StaticGray XWREF
statistics
    file system TECHREF1
    process TECHREF1
status
    check I/O TECHREF1
    definition XWREF
    file transfer WHIP
    flags INTREF
    information on resources,
     obtaining PLNGDE
    information (BNU) USING
    messages WHIP
    of a file INTREF
```

```
of a path INTREF
    of a symbolic link
                       INTREF
    of inter-process communi-
     cation CMDREF1
    querying PS2TEXT
    stream TECHREF1
    window PRGTOOL
status line
    keyboard status ACCGDE
    LED ACCGDE
    session status ACCGDE
status logical terminal interface WHIP
Status Tools Group USEGDE
STATUS= specifier
    description of FORREF
     in CLOSE statement FORREF
    in OPEN statement FORREF
statusfile parameter TECHREF2
status.zzz file PS2GDE
statusLine, keyword XWGDE
statusNormal, keyword xwGDE
STATX system call INTREF
    See also file maintenance
statx system call TECHREF1
    with TCF TECHREF1
stat.h header file TECHREF2
    with TCF TECHREF2
stdhosts command CMDREF2
stdio PRGTOOL
stdio subroutine library TECHREF1
stdipc subroutine TECHREF1
steam-oriented programs
    characteristics of DOSMRG
    definition of DOSMRG
    determining DOSMRG
    piping and redirecting and DOSMRG
    schematic depiction of piping and
     redirecting DOSMRG
    specifying DOSMRG
step command COBGDE
steps, remote usage XWGDE
STIME system call INTREF
     See also system utilities
stime system call TECHREF1
stipple
    origin, set tile or XWREF
    query best XWREF
    set XWREF
StippleShape xwreF
STOCK1 COBGDE
stock.cbl COBGDE
STOCK.IT COBGDE
STOCK.IT.idx COBGDE
stop character TECHREF2
stop command (ate) MANAGE,
USING
stop filter command PS2IN
STOP OUTPUT USING
STOP RUN statement COBREF
stop search command PS2IN
```

```
STOP statement COBREF
STOP statement FORREF
stopping
    a process CMDREF1
    an AIX process DOSMRG
    commands USING
    DOS utilities DOSMRG
    runaway process ADMIN
    the system MANAGE
         shutdown authority USING
    the server XWGDE
    trace activity USEREF
STOPTRACE command USEREF
storage USEREF
    deallocate xwref
    AIX/370 PLNGDE
    class type statement FORREF
    freeing PASREF
    getting PRGTOOL
    guest system, initial, real
     storage required for PLNGDE
      guest system, secondary site on
     the same processor, real storage
     required for PLNGDE
    main MBCS
    mapping PASGDE
    of arrays CGDE,
     FORGDE, FORREF
     PASGDE
    of matrices CGDE
     FORGDE, PASGDE
    sharing FORREF
    virtual, address space for proc-
     esses PLNGDE
    virtual, estimating PLNGDE
    virtual, requirements for proc-
     esses PLNGDE
storage allocation PASREF
    on RT FORGDE,
     PASGDE
storage allocation procedures
    dispose PASREF
    mark PASREF
    new PASREF
    release PASREF
storage class specifiers CREF
storage classes
    auto CREF
    extern CREF
    register CREF
    static CREF
    typedef CREF
storage definition
    assembler PRGTOOL
storage image file TECHREF2
store
    buffer xwref
    bytes XWREF
    color xwref
    colors XWREF
```

command CMDREF2 copy of database xwref data in buffer xwreF name **XWREF** named color xwref resource into database xwreF resources into database xwref subroutine **TECHREF1** store command ADMIN StoreColors protocol request xwreF StoreNamedColor xwreF storing a group access list INTREF a message **INTREF** bytes **xwref** changes PS2IN, PS2TEXT colors **XWREF** data **xwref** data in buffer xwreF data retrieval XWREF database **XWREF** file-system information INTREF files PS2IN message from a queue TECHREF1 named color **XWREF** resource to database XWREF resources **XWREF** window names **xwref** str function **PASREF** strcat subroutine TECHREF1 strchr subroutine TECHREF1 strcmp subroutine TECHREF1 strcoll subroutine MBCS strcpy subroutine TECHREF1 strcspn subroutine TECHREF1 stream assigning buffering to TECHREF1 closing and flushing TECHREF1 data TECHREF2 editor CMDREF2 getting character or word from TECHREF1 implementation of new XDR TECHREF1 I/O TECHREF1 open TECHREF1 status TECHREF1 streaming tape CMDREF2 string PRGTOOL, PS2IN, TECHREF1 See also character, string character search PRGTOOL compare PRGTOOL compiled regular expression PRGTOOL concatenate PRGTOOL conversion PRGTOOL convert PRGTOOL converting to other forms **PRGTOOL**

```
copy PRGTOOL
    date and time PRGTOOL
    data, reading PASREF
    data type PRGTOOL
    data, writing PASREF
    database, create xwref
    database, get xwref
    definition PRGTOOL
    display XWREF
    draw xwref
    draw image xwref
    format from PRGTOOL
    format to PRGTOOL
    from stdin PRGTOOL
    from stream PRGTOOL
    functions PRGTOOL
         dnl (delete to new-line) PRGTOOL
         dumpdef PRGTOOL
         errprint PRGTOOL
         index PRGTOOL
         substr PRGTOOL
         translit PRGTOOL
    get xwref
    get address XWREF
    get at address XWREF
    header file PRGTOOL
    into memory, put XWREF
    keysym to XWREF
    {\tt length} \quad {\tt PRGTOOL}
    library PRGTOOL
    library functions PRGTOOL
    literal PRGTOOL
    lookup xwref
    manipulation functions PRGTOOL
    printing PRGTOOL
    put XWREF
    regular expression PRGTOOL
    regular expression to PRGTOOL
    representation PASGDE
    resource, add xwref
    resource, put XWREF
    routines
          library functions PRGTOOL
    search PRGTOOL
    single quotes with PRGTOOL
    strings PRGTOOL
    to binding quark list XWREF
    to keysym, convert xwref
    to quark xwreF
    to quark list xwreF
    to quark, convert xwref
    to stdout PRGTOOL
    to stream PRGTOOL
    using format PRGTOOL
    with m4 PRGTOOL
string constants
    assembler PRGTOOL
string instructions
    assembler PRGTOOL
string manipulation routines
```

compress PASREF delete **PASREF** index **PASREF** length **PASREF** lpad **PASREF** ltrim **PASREF** maxlength PASREF readstr **PASREF** rpad **PASREF** substr **PASREF** token **PASREF** trim **PASREF** writestr **PASREF** string operations TECHREF1 international character support TECHREF1 string register, definition PS2TEXT STRING statement COBREF string types defined **PASREF** stringptr PASREF strings CREF, MBCS changing PRGTOOL comparison PASREF concatenating, in awk PRGTOOL constants **PASREF** converting to PASREF converts type PASREF defined WHIP defining PS2TEXT defining with eqn preprocessor PS2TEXT drawing xwref finding **PRGTOOL** formats according to picture value PASREF from a stream, obtaining TECHREF1 handling TECHREF1 initializing CREF inputting MBCS length **PASREF** manipulating MBCS pad or truncate on the left PASREF pad or truncate on the right PASREF problem symptom DIAG outputting MBCS referencing PASREF representing MBCS search PS2TEXT to integer conversion TECHREF1 translating MBCS writing to a stream TECHREF1 strings command CMDREF2 string16, draw xwref string16, draw image XWREF strip command CMDREF2, PRGTOOL strlen subroutine TECHREF1 strncat subroutine TECHREF1 strncmp subroutine TECHREF1 strncoll subroutine MBCS

strncpy subroutine TECHREF1 strpbrk subroutine TECHREF1 strrchr subroutine TECHREF1 strspn subroutine TECHREF1 strstr subroutine TECHREF1 strtod subroutine TECHREF1 strtok subroutine TECHREF1 strtol subroutine TECHREF1 struct command CMDREF2 structured constants array constants PASREF record constants PASREF structured files **PS2IN** convert text files PS2IN definition of PS2IN Editor Profile PS2IN history **PS2IN** print modification dates PS2IN printing text PS2IN reconstruct PS2IN remove history PS2IN structured statements begin-end PASREF case **PASREF** empty **PASREF** for-do **PASREF** of-then-else PASREF repeat-until PASREF while-do **PASREF** with **PASREF** structured types array types PASREF defined **PASREF** record types PASREF set types PASREF string types PASREF structuring methods PASREF StructureNotifyMask xwreF structures CREF, PRGTOOL See also file formats accounting file TECHREF2 archive file member TECHREF2 backup TECHREF2 cpio TECHREF2 devinfo TECHREF2 fd devinfo TECHREF2 fstore TECHREF2 gettydefs TECHREF2 HD devinfo TECHREF2 inode TECHREF2 ipc_perm TECHREF1 lprio.h TECHREF2 lprmode TECHREF2 LPRUDE TECHREF2 msghdr TECHREF1 netent TECHREF1 of documents PS2TEXT of file system ADMIN oprmode TECHREF2 process data TECHREF1

```
process table TECHREF1
    protoent TECHREF1
    servent TECHREF1
    site TECHREF2
    sockaddr TECHREF1
    system MANAGE
    tacct.h TECHREF2
    tape archive header TECHREF2
    termio TECHREF2
strxfrm subroutine MBCS
stty command ADMIN, CMDREF2
     flags USING
         -a USING
         echo using
         length USING
         page USING
    modifying display station set-
     tings USING
stty system call TECHREF1
stty (set display) command USING
stubs, definition xwref
stubs, writing XWREF
style command CMDREF2
style macro sequence PS2TEXT
style macros list PS2TEXT
su command CMDREF2
    checking user name MANAGE
    using MANAGE
sub networks TCPGDE
subchannel information block
 (SCHIB) TECHREF2
subchannel status word
 (SCSW) TECHREF2
subclassing in public .h
files XWREF
subdirectories USING
Subdirectory
    Access program ACCGDE
subimage, create XWREF
subimage, get XWREF
subnets TCPGDE
subprogram
    block data FORREF
    description of FORREF
    function
         R1 specifics FORREF
         VX specifics FORREF
    subroutine FORREF
subrange elements PASGDE
subrange types PASREF
subroutine libraries
    See libraries
subroutine linkage convention
 CGDE, FORGDE,
 PASGDE
subroutine linkage convention on RT
    entry code FORGDE,
     PASGDE
    exit code FORGDE,
     PASGDE
```

```
function values FORGDE,
     PASGDE
    load module format FORGDE,
     PASGDE
    parameter addressing FORGDE,
     PASGDE
    parameter passing FORGDE,
     PASGDE
    register usage FORGDE,
     PASGDE
    routine calling FORGDE,
     PASGDE
    stack frame FORGDE,
     PASGDE
    traceback FORGDE,
     PASGDE
subroutine linkage convention on RT PC
 CGDE
    entry code CGDE
    exit code CGDE
    function values CGDE
    load module format CGDE
    parameter addressing CGDE
    parameter passing CGDE
    register usage CGDE
    routine calling CGDE
    stack frame CGDE
    traceback CGDE
SUBROUTINE parameter COBGDE
SUBROUTINE statement FORREF
subroutine subprogram
    sample FORREF
subroutines PRGTOOL, TECHREF1
    getopt PRGTOOL
    library MBCS
    printf PRGTOOL
    scanf PRGTOOL
subscript expression FORREF
subscripting COBREF
subscripts PS2TEXT
    eqn PS2TEXT
    levels of PS2TEXT
    printing MANAGE,
     PRGTOOL
substitute (s) subcommand USING
    with context search USING
substituting lines PS2TEXT
substitutions on multiple
lines USING
substr function PASREF
substring FORREF
substring expression
    VX specifics FORREF
SubstructureNotifyMask xwreF
SubstructureRedirectMask XWREF
subsystem
    buffer TECHREF1
    file I/O TECHREF1
    I/O, components of TECHREF2
subtract region XWREF
```

SUBTRACT statement COBREF subtracting regions XWREF subtraction FORREF subwin subroutine TECHREF1 subwindow mode, set **xwref** subwindowmode ClipByChildren xwreF IncludeInferiors xwref subwindows circulate **XWREF** circulate down xwreF circulate up xwreF destroy **XWREF** map **XWREF** unmap **XWREF** subyte kernel subroutine TECHREF2 succ function PASREF suffix, file name USEGDE suffixes, file name PRGTOOL suffixes PRGTOOL suibyte kernel subroutine TECHREF2 suiword kernel subroutine TECHREF2 sum clause COBREF sum command CMDREF2 summary of command usage CMDREF1 of vi commands PS2TEXT summation symbol **PS2TEXT** summations **PS2TEXT** super block TECHREF1 update **TECHREF1** superblock MANAGE blocks MANAGE contents of ADMIN free block count MANAGE free block list MANAGE free inode count MANAGE inode inconsistencies MANAGE information contained in **MANAGE** update **CMDREF2** superblock (file system) ADMIN superbox subroutine TECHREF1 superscripts PS2TEXT eqn PS2TEXT levels of **PS2TEXT** printing MANAGE, PRGTOOL superuser **USING** superuser account MANAGE superuser authority CMDREF2 account with MANAGE commands adduser CMDREF1 at **CMDREF1** chmod CMDREF1 chroot CMDREF1 ckprereq CMDREF1

```
cpio CMDREF1
         crontab CMDREF1
         date CMDREF1
         devices CMDREF1
         errdemon CMDREF1
         errstop CMDREF1
         fsck CMDREF1
         installp CMDREF1
         killall CMDREF1
         mesg CMDREF1
         minidisks CMDREF2
         mount CMDREF2
         nice CMDREF2
         print CMDREF2
         removing scheduled
         shown in report CMDREF1
         shutdown CMDREF2
         tar CMDREF2
         tloq CMDREF2
         updatep CMDREF2
         users CMDREF1
         uustat CMDREF2
    definition MANAGE
    for maintenance system MANAGE
    obtaining MANAGE
         root login MANAGE
         su command MANAGE
         su login MANAGE
         with the maintenance system
           MANAGE
    precautions MANAGE
    removing files CMDREF2
    superuser account MANAGE
supervisor area, reading PLNGDE
supervisor calls, AIX
    See system calls;
     system subroutines
supported
    hardware PS2GIM
    language elements of IBM OS/VS
     COBOL 85 high-level COBREF
    terminal emulation functions ACCGDE
SUPPRESS statement COBREF
suser kernel subroutine TECHREF2
suspended nonspacing character
sequences PS2KEY
suspending
    a process CMDREF1,
     INTREF, TECHREF1
    applications,
     preventing DOSMRG
    execution TECHREF1
    vi PS2TEXT
suspension, processes TECHREF2
suword kernel subroutine TECHREF2
SVC trace DIAG
SVCs, AIX
    See system calls;
     system subroutines
svc_getargs macro TECHREF1
```

swab subroutine TECHREF1 swap bytes **TECHREF1** swapctl system call TECHREF1 swapon command CMDREF2 Swedish keyboard layouts PS2KEY keyboard overview PS2KEY keyboard tables PS2KEY Swiss keyboard layouts PS2KEY keyboard tables PS2KEY Swiss/French keyboard overview PS2KEY Swiss/German keyboard overview PS2KEY switch character translation of DOSMRG SWITCH command USEREF SWITCH command USEGDE switch names COBREF switch parameters ANIMATOR (A) COBGDE ANSI COBOL debug COBGDE compatibility check (F) COBGDE description COBGDE error (E) COBGDE examples COBGDE ISAM files sequence check (K) COBGDE keyboard interrupt (i) COBGDE memory (1) **COBGDE** null (N) COBGDE reread locked record (R) COBGDE RM file status error (Q) COBGDE run-time COBGDE skip locked record (B) COBGDE sort (S) COBGDE tab (T) COBGDE switch statement CREF switch table, device TECHREF2 switch the displays WHIP switch-status condition COBREF switching directories **USEGDE**, USEREF switching files PS2IN symbol definition file WHIP symbol-table entry **FORREF** symbolic association FORREF Symbolic Debugger CGDE, DIAG, FORGDE, PASGDE, PS2GIM symbolic disassembler PS2GIM symbolic link system call **TECHREF1** with NFS TECHREF1 with TCF TECHREF1 symbolic links ADMIN, MANAGE, PLNGDE, TECHREF1 accessing directories **USING** creating **INTREF** creation **USING**

definition **USING** directories **USING** inode type MANAGE linking files and directories **USING** operation **USING** reading **INTREF** removing **USING** status **INTREF** <LOCAL> alias USING symbols CREF, PRGTOOL AIX/370 Assembler support for PRGTOOL creating at link time PRGTOOL display TECHREF2 global in link editor command language PRGTOOL mathematical PS2TEXT reserved words PASREF special symbols PASREF SYMLINK system call INTREF See also file maintenance symlink system call TECHREF1 symbolic link TECHREF1 with NFS TECHREF1 with TCF TECHREF1 symorder command CMDREF2 symptom strings, problem **DIAG** sync **XWREF** sync command CMDREF2 SYNC system call INTREF See also file maintenance sync system call ADMIN, TECHREF1 SyncBoth XWREF syncfsmap command CMDREF2 SyncHandle macro XWREF synchronization COBREF synchronize **xwref** SYNCHRONIZED clause COBREF synchronizing the system clock INTREF synchronous calling xwref Synchronous Data Link Control (SDLC) **PLNGDE** synchronous file transfer WHIP synchronous mode xwref SyncKeyboard xwref SyncPointer xwreF synonym, login name MANAGE synonymous file descriptors INTREF syntactic differences Environment Division COBREF Procedure Division COBREF special registers LIN and COL COBREF syntax TECHREF1 checking, C programs CMDREF1 disassembler PRGTOOL of messages PRGTOOL input directives PRGTOOL

make command PRGTOOL syntax diagrams CGDE, CREF, XWGDE abstract declarator CREF additive expression CREF asm statement CREF assignment expression CREF binary operators CREF bitwise AND expression CREF bitwise exclusive OR operator CREF bitwise inclusive OR operator CREF block statement CREF break statement CREF case clause CREF case label CREF character CREF character constant CREF character specifier CREF comma expression CREF comment CREF constant CREF constant expression CREF continue statement CREF decimal constant CREF declaration CREF declaration specifier CREF declarator CREF default clause CREF default label CREF definition **XWGDE** described WHIP diagrams, how to read CMDREF1 digit **CREF** do statement CREF DOS vs. AIX DOSMRG enum constant CREF enum specifier CREF equality expression CREF errors, checking for USEREF escape sequence CREF expression CREF expression statement CREF extern declaration CREF external data definition CREF float specifier CREF for statement CREF function declarator CREF function header CREF goto statement CREF hexadecimal constant CREF identifier CREF identifier list CREF if statement CREF init-declarator CREF init-declarator-list CREF initial expression CREF initializer CREF

int specifier CREF

internal data device CREF labeled statement CREF letter CREF logical AND operator CREF logical OR operator CREF lvalue CREF main function CREF member CREF multiplication operators CREF new-line CREF null statement CREF octal constant CREF parameter declaration CREF parameter list CREF pragma CREF preprocessor conditional CREF preprocessor define CREF preprocessor elif CREF preprocessor else CREF preprocessor endif CREF preprocessor include statement CREF preprocessor line control CREF preprocessor null CREF preprocessor statement CREF preprocessor undef statement CREF primary expression CREF relational expression CREF return statement CREF rules COBREF shift expression CREF statement CREF storage class specifier CREF string constant CREF structure or union specifier CREF subscript declarator CREF switch body CREF switch statement CREF type definition CREF type name CREF type qualifier CREF type specifier CREF typedef name CREF unary expression CREF void specifier CREF while statement CREF syntax problem determination documentation differences COBREF Environment Division COBREF extension subroutines COBREF file input and output COBREF general COBREF Procedure Division COBREF screen-handling COBREF sysconf system call TECHREF1 with NFS **TECHREF1** with TCF TECHREF1 sysdump command CMDREF2, DIAG

sysdump(370) command PLNGDE SYSIN function name COBREF sysinfo.h MANAGE SYSIPT function name COBREF sysline command CMDREF2 SYSLIST function name COBREF SYSLOG DIAG syslog subroutine TECHREF1 syslogd command CMDREF2 SYSLST function name COBREF SYSOUT function name COBREF SYSPNCH function name COBREF SYSPUNCH function name COBREF system accounting **PLNGDE** activity graph CMDREF2 activity information PLNGDE activity reporter CMDREF2 administration TECHREF1 backing up considerations ADMIN backup, plan for PLNGDE backup procedures ACCADM base, definition of PLNGDE buffers TECHREF2 commands **PRGTOOL** components INST370 core, examining, command for **PLNGDE** crash, backup for ADMIN crash, preparing for ADMIN crash, recovering from ADMIN customization **USEGDE** data types TECHREF2 date and time, displaying USEREF defaults changing from AIX shell DOSMRG error messages TECHREF1 failure **PLNGDE** files lost **ADMIN** fixes, service package for **PLNGDE** header file **PLNGDE** history information PLNGDE image examination CMDREF1 initialization MANAGE Installation/Maintenance, definition of **PLNGDE** interaction MBCS kernel, generating MANAGE level problem **DIAG** loq make entry **TECHREF1** maintenance system MANAGE message catalogs MBCS minimum hardware configuration for AIX/370 **PLNGDE** parameters, customizing **PLNGDE** problems, solving ADMIN profiler TECHREF2

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```
prompt ($) USING
    residence disk, preventing loss of
      ADMIN
    rules for mixing ADMIN
    security, ensuring ADMIN
    shutdown ADMIN
    stack, dumping DIAG
    startup ADMIN,
     INST370, INSTPS2,
     CMDREF1, MANAGE
    startup problems ACCADM
    stopping MANAGE
    structure
         kernel MANAGE
         shell MANAGE
    system dump file,
     maintaining PLNGDE
    tables, command for
     showing PLNGDE
    timer TECHREF1
    updating MANAGE
    use ADMIN
    volume format TECHREF2
system activity package
    commands MANAGE
    counters MANAGE
    daily reports MANAGE
    data structures MANAGE
    file formats MANAGE
    sar data file structure MANAGE
    sysinfo.h MANAGE
system calls PRGTOOL, TECHREF1
    See also messages
    See also semaphores
    See also shared memory
    See also signals
    See also process control
    See also process identification
    See also process tracking
    and subroutines TECHREF1
    difference from
     subroutines TECHREF1
    errno values TECHREF2
    file maintenance INTREF
    forktst4, example PRGTOOL
    functional summary TECHREF1
    input-output INTREF
    interprocess communication
    parent process PRGTOOL
    process
         process ID, example PRGTOOL
         special PRGTOOL
    return values INTREF
    shared memory INTREF
    sockets INTREF
    system utilities INTREF
system checker
    See fsck utility
system console
    administering devices DOSMRG
```

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```
definition of DOSMRG
    setting up DOSMRG
system description
     /etc/master MANAGE
     /etc/system MANAGE
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system group MANAGE
    login names
         different MANAGE
system group commands
    adduser CMDREF1
    backup CMDREF1
    ckprereq CMDREF1
    date CMDREF1
    devices CMDREF1
    installp CMDREF1
    minidisks CMDREF2
    mount CMDREF2
    print CMDREF2
    users CMDREF1
system management
    accounting
         file formats MANAGE
         files MANAGE
         reports MANAGE
         runacct MANAGE
         running daily MANAGE
         setting up MANAGE
    accounts
         changing MANAGE
         creating MANAGE
         different login
         removing MANAGE
         root MANAGE
         superuser MANAGE
         types MANAGE
         user MANAGE
         user account files MANAGE
    backup policies MANAGE
    blocks
         data MANAGE
    commands
         adduser MANAGE
         find MANAGE
         fsck MANAGE
         running at pre-set times MANAGE
         system activity package MANAGE
    communicating
         mail MANAGE
         message of the day MANAGE
         news MANAGE
         wall MANAGE
         who MANAGE
         with users MANAGE
    date, setting MANAGE
    definition MANAGE
    deleting old kernels MANAGE
    dfsck command MANAGE
    diskette file systems MANAGE
    display station
```

```
features MANAGE
environment
    login MANAGE
    tailoring MANAGE
    user MANAGE
    /etc/environment MANAGE
    /etc/profile MANAGE
errors
    analysis MANAGE
    dumps MANAGE, PRGTOOL
    handling MANAGE
    logging MANAGE
    memory dumps MANAGE,
     PRGTOOL
    recovering, unexpected failures
      MANAGE
    reporting MANAGE
    trace services MANAGE
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    base MANAGE
    bootstrap block MANAGE
    data blocks MANAGE
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    finding files MANAGE
    hard link MANAGE
    inodes MANAGE
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    major files MANAGE
    superblock MANAGE
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    user file system MANAGE
    viewing files MANAGE
     <LOCAL> alias MANAGE
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    backing up MANAGE
    backup MANAGE
    backup media MANAGE
    backup policy MANAGE
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    creating MANAGE
    damage, causes MANAGE
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    restoring MANAGE
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    unmounting MANAGE
    volume backup MANAGE
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    finding MANAGE
    monitoring size MANAGE
    /etc/filesystems MANAGE
    /etc/profile MANAGE
function MANAGE
general system
```

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structure MANAGE generating new kernel MANAGE input/output system introduction MANAGE introduction MANAGE I/O system block **MANAGE** character MANAGE device drivers MANAGE special files MANAGE kernel, generating MANAGE loading kernel MANAGE login, automatic MANAGE making kernel MANAGE minidisks, rearranging MANAGE performance maintaining MANAGE printers managing MANAGE queueing system backends **MANAGE** configuration file MANAGE parts of MANAGE qdaemon MANAGE using **MANAGE** /etc/qconfig MANAGE security file protections MANAGE invalid login MANAGE passwords MANAGE understanding MANAGE starting the system MANAGE initialization MANAGE maintenance system MANAGE stopping the system MANAGE system activity package commands MANAGE counters MANAGE daily reports MANAGE data structures MANAGE file formats MANAGE sar data file sysinfo.h MANAGE system update MANAGE tasks **MANAGE** testing kernel MANAGE types **MANAGE** updating the system MANAGE user accounts managing MANAGE /etc/filesystems MANAGE system name PS2GDE extended TECHREF1 get **TECHREF1** remote system **PS2GDE** your system **PS2GDE** System Network Architecture (SNA) **PLNGDE**, **PRGTOOL** system parameters **PRGTOOL**, TECHREF2

```
keywords TECHREF2
     stanzas TECHREF2
system procedures
    restarting the terminal-logging
     daemon CMDREF2
    starting the error-logging
     daemon CMDREF1
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     daemon CMDREF2
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    disclaiming memory INTREF
    system calls
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         DISCLAIM INTREF
         GETITIMER INTREF
         GETTIMEOFDAY INTREF
         GETXVERS INTREF
         REBOOT INTREF
         SETITIMER INTREF
         SETTIMEOFDAY INTREF
         SETXVERS INTREF
         STIME INTREF
         TIME INTREF
         UNAME INTREF
         UNAMEX INTREF
    used in local area network INTREF
system-replicated file system ADMIN
system-wide default options COBGDE
System/370 printers MBCS
System/370 processor MBCS
    XA mode MBCS
Systems Application Architecture (SAA)
    C Language PS2GIM
    Fortran PS2GIM
Systems file (BNU)
    caller field MANAGE
    class field MANAGE
    configuring call-in
     port MANAGE
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     port MANAGE
    customizing MANAGE
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    login field MANAGE
    login IDs MANAGE
    passwords MANAGE
    phone field MANAGE
    sample entry MANAGE
```

standard entries MANAGE system_name field MANAGE time field MANAGE System.Netid link MANAGE System. Netid file TECHREF2 with TCF TECHREF2 system_name field (BNU Systems file) **MANAGE** sys_errlist TECHREF1 sys_nerr **TECHREF1** S01, S02 function names COBREF +---+ | T | T edit-descriptor FORREF T flag COBGDE t, T commands PS2TEXT t (transcript) subcommand PS2GDE T' attribute **PLNGDE** tab **FORREF** tab command CMDREF2 TAB function name COBREF Tab key **ACCGDE** PS2IN, USEGDE tab switch **COBGDE** TABDLY TECHREF2 table call switch TECHREF1 device switch TECHREF1 message **PRGTOOL** table command lines PS2TEXT table of contents macro PS2TEXT table of contents register **PS2TEXT** table title macro PS2TEXT table-handling Data Division OCCURS clause COBREF USAGE IS INDEX clause COBREF introduction COBREF Procedure Division overlapping operands COBREF SEARCH statement COBREF SET statement COBREF tables See also requests, tbl program field-level **USEREF** formatting with tbl command CMDREF2 managing from a program PRGTOOL tables macros PS2TEXT tablet puck buttons **XWGDE** tabs **PS2TEXT** cursor movement using tabs **PS2IN**

```
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     non-standard TECHREF2
     setting ACCGDE,
     PS2IN
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     when saving a file PS2IN
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TAB1 TECHREF2
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     environment ADMIN
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     transfer PLNGDE
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      PLNGDE
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     AIX/370 PLNGDE
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     ATE, overview USING
```

```
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     of DOSMRG
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    piping and redirecting and DOSMRG
    reattaching to detached jobs DOSMRG
    stopping detached jobs DOSMRG
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+---+ | U | +---+

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```

user_mh_directory MANAGE ushort data type TECHREF2 using Asynchronous Terminal Emulation starting the program **USING** ed **USING** event masks **xwref** events and event-handling xwreF events types xwref formatter requests PS2TEXT keyboard event functions **XWREF** macros **PS2TEXT** macros with parameters PS2TEXT make **PRGTOOL** pop-up widgets XWREF symbolic definitions PRGTOOL X-Windows on a remote system **XWGDE** using ATE dialing directory file **USING** directory menu **USING** fields name **USING** number **using** rate **USING** menus **USING** USING phrase COBREF usr directory ADMIN, PS2IN usr/adm/uucp/Spools file with uucollect command CMDREF2 USRINFO system call INTREF See also process identification usrinfo system call TECHREF1 USTAT system call INTREF See also file maintenance ustat system call **PLNGDE**, TECHREF1 with TCF TECHREF1 utilities **XWREF** configuration WHIP LAF WHIP utility files, modifying PS2GDE utility programs **ACCADM** UTIME system call INTREF See also file maintenance utime system call TECHREF1 with TCF TECHREF1 UTIMES system call INTREF See also file maintenance utimes system call TECHREF1 utmp file TECHREF2 entry access TECHREF1 find user's slot TECHREF1 with TCF TECHREF2 utmpname subroutine TECHREF1 uts directory **ADMIN** uucheck command CMDREF2 uucheck command (BNU) MANAGE

```
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uucico command CMDREF2
uucico daemon (BNU) MANAGE
uuclean PRGTOOL
uucleanup command CMDREF2
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     tion USING
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Uutry command (BNU) MANAGE
uux PRGTOOL
uux command CMDREF2
uux command (BNU) MANAGE
     flags USING
```

path names **USING** used to run remote commands **USING** uuxqt **PRGTOOL** uuxqt command CMDREF2 uuxqt daemon (BNU) MANAGE installing BNU software MANAGE uvcp command ADMIN, CMDREF2 uwait **ACCGDE** u370 command CMDREF2 u370 (AIX/370 preprocessor symbol) **PLNGDE** U.S. English keyboard TECHREF2 u.u_base **TECHREF2** u.u_count TECHREF2 u.u_dirp TECHREF2 u.u_error TECHREF2 u.u_fmode **TECHREF2** u.u mpxchan TECHREF2 u.u_offset TECHREF2 u.u_procp TECHREF2 u.u_qsav **TECHREF2** u.u_seg **TECHREF2** u370 command CMDREF2 +---+ | v | +---+ v flag COBGDE v+ command-line option FORGDE, PASGDE vacation command CMDREF2 val command CMDREF2 valid ATE command initials USING nonspacing character sequences PS2KEY valloc subroutine TECHREF1 valuator **XWREF** value get **xwref** of environment variable TECHREF1 of user information name, find TECHREF1 put **XWREF** set **XWREF** /etc/filesystems MANAGE VALUE clause COBREF value conversion routines chr **PASREF** float **PASREF** itohs **PASREF** ord **PASREF** pack **PASREF** round **PASREF** scalar conversion PASREF

str **PASREF** trunc **PASREF** unpack **PASREF** value declarations PASREF VALUE OF clause COBREF value of icon size atom, set XWREF icon sizes, get xwref property, read **xwref** zoom hints, set xwref value parameters CGDE, FORGDE, PASGDE, PASREF value separator FORREF value(reserved word) PASREF values.h header file TECHREF2 var(reserved word) PASREF vararg macro CGDE VARARGS PRGTOOL varargs argument list, print TECHREF1 varargs macro TECHREF1 variable data display screens COBGDE data fields COBGDE declarations PASREF length arguments xwreF length records WHIP list macro **PS2TEXT** location listing FORGDE, PASGDE parameters PASREF parameters, Pascal FORGDE, **PASGDE** type listing FORGDE, PASGDE typing FORGDE variables CREF, PRGTOOL See also environment, variables accessing PASREF assignments PASREF automatic CREF command substitution USING declaring **PASREF** definition **USING** dummy **PASREF** dynamic **PASREF** environment MBCS establishing PASREF explicitly declared PASREF exporting **USING** external CREF fields in messages PRGTOOL file buffer PASREF formal arguments CREF global **PASREF** how the shell uses USING indexed **PASREF** initializing CREF integer **PRGTOOL**

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vedit command CMDREF2
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VendorShell xwreF
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widget **XWREF** verifying widget subclass XWREF version control PS2GIM version date cutoff, specifying CMDREF1 version numbers TCPGDE version, protocol **XWREF** Versin Release Level (VRL) versions command PS2IN verso page **PS2TEXT** verso, definition PS2TEXT vertical assembly PS2TEXT vertical space, inserting PS2TEXT vertical spacing COBREF, PS2TEXT changing PS2TEXT paragraphs PS2TEXT vertical spanning PS2TEXT vertical windows PS2IN vfork system call TECHREF1 with TCF TECHREF1 vfprint subroutine TECHREF1 VGA adapter, possible graphic renditions **TECHREF2** vgrind command CMDREF2 vhost **ACCGDE** vhs keyword TECHREF2 vi adding text PS2TEXT command mode PS2TEXT commands See commands, vi commands, summary PS2TEXT copying text PS2TEXT correcting mistakes PS2TEXT cursor movement See cursor commands definition PS2TEXT editing multiple files PS2TEXT ending **PS2TEXT** exiting **PS2TEXT** filtering a file PS2TEXT finding characters PS2TEXT functions, common DEL PS2TEXT Enter **PS2TEXT** ESC PS2TEXT input mode PS2TEXT inserting text PS2TEXT locating text **PS2TEXT** marking text PS2TEXT modes, changing PS2TEXT moving text PS2TEXT moving through a file See cursor commands option descriptions PS2TEXT options querying **PS2TEXT** setting **PS2TEXT** options file, EXINIT PS2TEXT

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```

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recommended size DOSMRG virtual drive ACCADM Access program ACCGDE changing maximum number of virtual drive ACCGDE D DOSMRG definition of ACCGDE, DOS applications ACCGDE DOS command limitations of ACCGDE files ACCGDE J DOSMRG specifying with the dosopt command **DOSMRG** storing Access program files on ACCGDE virtual diskette and how to create diskettes DOSMRG virtual floppies specifying with the dosopt command **DOSMRG** virtual machine DIAG booting **DOSMRG** connecting **PLNGDE** virtual memory image TECHREF2 virtual memory support PS2GIM virtual space per process PLNGDE VIRTUAL statement (VX mode) FORREF virtual storage, AIX/370 requirements **PLNGDE** Virtual Telecommunication Access Method (VTAM) PLNGDE virtual terminal data (VTD) **TECHREF2** control sequence TECHREF2 header **TECHREF2** virtual terminal device driver **TECHREF2** virtual terminal manager CMDREF1 virtual terminals commands **TECHREF2** configuration TECHREF2 definition **USING** managing MANAGE maximum number open **using** NEXT WINDOW USING opening **USING** opening, switching, and closing **DOSMRG** running a DOS application DOSMRG switching between DOSMRG using **USING** virtual 86 mode **DOSMRG** VisibilityChangeMask xwreF VisibilityNotify xwreF VisibilityNotify event **xwref** Visual **XWREF** Visual Classes GrayScale xwreF PseudoColor xwreF StaticColor XWREF

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.dbg file FORGDE,
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.double PRGTOOL
.dsect PRGTOOL
.else PRGTOOL
.elseif PRGTOOL
.end PRGTOOL
.endif PRGTOOL
.endm PRGTOOL
.endr PRGTOOL
.enum PRGTOOL
.even PRGTOOL
.extern PRGTOOL
.float PRGTOOL
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.set PRGTOOL
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.tr (translation request) PS2TEXT
.value PRGTOOL
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.AE (abstract end) macro PS2TEXT
.AF (alternate first page)
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.AL (alphabetical list)
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.AS (abstract start)
macro PS2TEXT
.AU (author) macro PS2TEXT
.AV (approver) macro PS2TEXT
.B (bold font) macro PS2TEXT
.BE (bottom-block end)
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.BL (bulleted list) macro PS2TEXT
.BS (bottom-block start)
macro PS2TEXT
.BX (boxed text) macro PS2TEXT
.CD (change delimiters)
macro PS2TEXT
.CN (constant width end)
macro PS2TEXT
.CP (constant width)
macro PS2TEXT
.CS (cover sheet) macro PS2TEXT
.CW (constant width)
macro PS2TEXT
.DE (display end) macro PS2TEXT
.DEFAULT PRGTOOL
.DF (floating display)
macro PS2TEXT
.DL (dashed list) macro PS2TEXT
.DS (static display)
macro PS2TEXT
.EC (equation caption)
macro PS2TEXT
.EF (even page footer)
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.EH (even page header)

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.EN (equation end) macro PS2TEXT

.EQ. FORREF

.EQ (equation start)

macro PS2TEXT

.EQV. FORREF

.EX (exhibit caption)

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.FALSE. FORREF

.FC (formal closing)

macro **PS2TEXT**

.FD (footnote default)

macro PS2TEXT

.FE (footnote end) macro PS2TEXT

.FG (figure title) macro PS2TEXT

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.FS (footnote start)

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.GE. FORREF

.GT. FORREF

.H (header) macro PS2TEXT

.HM (heading mark) macro PS2TEXT

.Ht (heading-mark type)

register **PS2TEXT**

.HU (unnumbered heading)

macro **PS2TEXT**

.HX (user-defined header)

macro **PS2TEXT**

.HY (user-defined header)

macro **PS2TEXT**

.HZ (user-defined header)

macro **PS2TEXT**

.I (italic font) macro PS2TEXT

.LB (list-begin) macro PS2TEXT

.LE. FORREF

.LE (list end) macro PS2TEXT

.LI (list item) macro PS2TEXT

.LT. FORREF

.ML (marked list) macro PS2TEXT

.MT 4 (publication style) PS2TEXT

.MT 5 (letter style) PS2TEXT

.MT (memorandum type)

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.ND (new date) macro PS2TEXT

.NE. FORREF

.NE (notations end) macro PS2TEXT

.NEQV. FORREF

.NOT. FORREF

.NS (notations start)

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.OF (odd page footer)

macro **PS2TEXT**

.OH (odd page header)

macro **PS2TEXT**

.OK (other keys) macro PS2TEXT

.OP (odd page) macro PS2TEXT

.OR. FORREF

.PC (reversed constant width parame-

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ters) macro PS2TEXT
.PF (page footer) macro PS2TEXT
.PH (page header) macro PS2TEXT
.PM (proprietary markings)
macro PS2TEXT
.PX (user exit) macro PS2TEXT
.R (Roman font) macro PS2TEXT
.RF (reference finish)
macro PS2TEXT
.RL (reference list)
macro PS2TEXT
.RS (reference start)
macro PS2TEXT
.S (size) macro PS2TEXT
.SA (set adjustment)
macro PS2TEXT
.SG (typist data) macro PS2TEXT
.SK (page skip) macro PS2TEXT
.SM (smaller string)
macro PS2TEXT
.SP (vertical spacing)
macro PS2TEXT
.SUFFIXES PRGTOOL
.TB (table title) macro PS2TEXT
.TC (table of contents)
macro PS2TEXT
.TE (table end) macro PS2TEXT
.TL (title) macro PS2TEXT
.Tm (trademark) string PS2TEXT
.TP (top of page processing)
macro PS2TEXT
.TRUE. FORREF
.TS (table start) macro PS2TEXT
.T& (table continue)
request PS2TEXT
.VL (variable-item list)
macro PS2TEXT
.VM (vertical margin)
macro PS2TEXT
.WC (width control) macro PS2TEXT
    FB, float break PS2TEXT
    FF, first footnote PS2TEXT
    N, normal PS2TEXT
    WD, wide displays PS2TEXT
    WF, wide footnote PS2TEXT
    -FB, no float break PS2TEXT
    -FF, no first footnote PS2TEXT
    -WD, no wide displays PS2TEXT
    -WF, no wide footnote PS2TEXT
.XOR. (VX mode) FORREF
.1C (one column) macro PS2TEXT
.2C (two column) macro PS2TEXT
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<LOCAL> alias ADMIN,
MANAGE, USING
<LOCAL> file system DIAG,
MANAGE
<LOCAL> file system (TCF) USING
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<X11/Xproto.h> XWREF
<X11/Xresource.h>
                 XWREF
<X11/X.h> XWREF
<< CREF
<< (left shift operator) PLNGDE
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+ CREF
++ CREF
+ command PS2TEXT
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+d Disassembler option PASGDE
+i Disassembler option FORGDE,
PASGDE
+m Disassembler option FORGDE,
PASGDE
+o Disassembler option FORGDE,
PASGDE
+p Disassembler option FORGDE,
PASGDE
+r Disassembler option FORGDE,
PASGDE
+t Disassembler option FORGDE,
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+v Disassembler option FORGDE,
PASGDE
+F flag COBGDE
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command PS2TEXT
 CREF
||operator USING
  CREF
~ CREF
& CREF
    plus CREF
& operator USING
&& CREF
&&operator USING
    delimiters
         braces USING
         \{ \} USING
&SYSECT PLNGDE
&SYSLIST PLNGDE
&SYSNDX PLNGDE
! subcommand (TCP/IP) USING
!ls subcommand PS2GDE
!pwd subcommand PS2GDE
!= CREF
$ (AIX prompt) DOSMRG
$ command PS2TEXT
$ prompt USING
$- shell parameter CMDREF2
$%+ compiler directive PASGDE
$C+compiler directive PASGDE
$HOME directory MANAGE
$HOME variable CMDREF1
$HOME/.profile file CMDREF2
```

```
$0 shell variable ADMIN
$< macro PRGTOOL</pre>
$! shell parameter CMDREF2
$$ shell parameter CMDREF2
$$@ macro PRGTOOL
$* macro PRGTOOL
$% macro PRGTOOL
$? shell parameter CMDREF2
$? macro PRGTOOL
$@ macro PRGTOOL
$S segment PASGDE
$D+ compiler directive PASGDE
$D- compiler directive PASGDE
$E filename compiler directive PASGDE
$F+ compiler directive PASGDE
$G+ compiler directive PASGDE
$G- compiler directive PASGDE
$I- compiler directive PASGDE
$L+ compiler directive PASGDE
$L- compiler directive PASGDE
$L filename compiler directive PASGDE
$N+ compiler directive PASGDE
$Q- compiler directive PASGDE
$R+ compiler directive PASGDE
$TERM shell variable
    used by mm command CMDREF1
  CREF
* (global file name character) DOSMRG
-a fxfer command option WHIP
-a option CGDE
-c option CGDE
-c terminal emulator option WHIP
-d fxfer command option WHIP
-d symb flag COBGDE
-e epsym flag COBGDE
-f fxfer command option WHIP
-f fxfer function WHIP
-f option CGDE
-f2 option CGDE
-g flag COBGDE
-g option CGDE
-h fxfer command option WHIP
-h option CGDE
-h terminal emulator option WHIP
-infinity PASGDE
-i flag COBGDE
-k ext flag COBGDE
-k ktbl terminal emulation option WHIP
-1 flag COBGDE
-1 fxfer command option WHIP
-1 e789paex command option WHIP
-l[key] option CGDE
-1 terminal emulation option WHIP
-m symb = newsymb flag COBGDE
-m terminal emulation option WHIP
-mm flag PS2TEXT
-n terminal emulation option WHIP
-o filename flag COBGDE
-o[oname] option CGDE
-option flag COBGDE
```

- -p flag COBGDE
- -p fxfer command option WHIP
- -p option CGDE
- -p terminal emulation option WHIP
- -pg option **CGDE**
- -q fxfer command option WHIP
- -r fxfer command option WHIP
- -r terminal emulation option WHIP
- -rsh restricted shell
- -s Disassembler option PASGDE
- -s terminal emulation option WHIP
- -sh normal shell invocation ADMIN
- -su command invocation ADMIN
- -t fxfer command option WHIP
- -t[pcgfal]extended function CGDE
- -u flag COBGDE
- -u fxfer command option WHIP
- -v debugging option CGDE
- -v flag COBGDE
- -v fxfer command option WHIP
- -w option **CGDE**
- -x e789paex command option WHIP
- -x flag **COBGDE**
- -x fxfer command option WHIP
- -y[dmpz] option **CGDE**
- -z option **CGDE**
- (AIX switch character) **DOSMRG**
- -A flag **COBGDE**
- -B fxfer command option WHIP
- -B prefix extended function CGDE
- -C option flag COBGDE
- -CC option flag COBGDE
- -Dname option CGDE
- -E option CGDE
- -F flag COBGDE
- -F fxfer command option WHIP
- -H fxfer command option WHIP
- -Hanno command-line option CGDE
- -Hansi command-line option CGDE
- -Hasm command-line option CGDE
- -Hfsingle command-line
- option **CGDE**
- -Hlines command-line option CGDE
- -Hlist command-line option CGDE
- -Hnocpp command-line option CGDE
- -Hoff=toggle command-line
- option CGDE
- -Hon=toggle command-line
- option **CGDE**
- -Hpcc command-line option CGDE
- -Hxa command-line option CGDE
- -H+w command-line option CGDE
- -Idir option **CGDE**
- -L dir flag COBGDE
- -L fxfer command option WHIP
- -L[dir] option CGDE
- -M command-line option CGDE
- -N[ndpt] option CGDE
- -N option flag **COBGDE**
- -O flag COBGDE

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```
-O option CGDE
-Q! option CGDE
-R fxfer command option WHIP
-S Disassembler option FORGDE
-S fxfer command option WHIP
-S option CGDE
-T flag COBGDE
-T fxfer command option WHIP
-U fxfer command option WHIP
-V fxfer command option WHIP
-w option CGDE
-W err-lever flag COBGDE
-Wc extended function CGDE
-X option CGDE
-X symb flag COBGDE
-y[dmpz] option CGDE
-# debugging option CGDE
- CREF
-- CREF
invocation ADMIN
/ CREF, MANAGE
/ (AIX path separator) DOSMRG
/ (DOS character to turn on
options) DOSMRG
/ command PS2TEXT
/ minidisk INSTPS2
/ (root) minidisk PLNGDE
// (concatenation) FORREF
/aixps2 (machine name)
minidisk INSTPS2
/aixps2/tmp minidisk INSTPS2
/aix370 PLNGDE
/aix370 minidisk PLNGDE
/aix370/tmp minidisk PLNGDE
/bin
    directory PLNGDE
    mail system files MANAGE
/bin/awk program PLNGDE
/C option DOSMRG
/dev PLNGDE
/dev/dump PLNGDE
    copying to a file DIAG
    displaying DIAG
    facility PLNGDE
/dev/dump file PLNGDE
/dev/kmem file CMDREF2
/dev/null file CMDREF1
/dev/root DIAG
/dev/swap facility PLNGDE
/dev/swap file PLNGDE
    mail system files MANAGE
/etc/budate file CMDREF1
/etc/dosapp.def file DOSMRG
/etc/dosenv.def file DOSMRG
/etc/environment MANAGE
/etc/environment file CMDREF1
/etc/filesystems
    mdrc command uses CMDREF1
    mkfs command CMDREF1
```

Numeric and Special Character Entries /etc/hosts ADMIN /etc/inittab file ADMIN, CMDREF2, MANAGE /etc/locks directory (BNU) MANAGE /etc/master file with mknod command CMDREF1 /etc/mkfs **DIAG** /etc/mnttab file CMDREF2 /etc/mtab **CMDREF1** /etc/motd file ADMIN /etc/netparams file with nccheck command CMDREF2 /etc/passwd file CMDREF1 /etc/ports file ADMIN /etc/profile and .profile, command execution **ADMIN** /etc/profile file ADMIN, CMDREF2 /etc/ptmp with pkmasswd command CMDREF1 /etc/qconfig MANAGE /etc/qconfig file ADMIN with piobe command CMDREF2 /etc/qconfig, changing MANAGE /etc/qdaemon ADMIN /etc/rc MANAGE /etc/recmstr **DIAG** /etc/servers file with rpc.rexd command CMDREF2 /etc/sitegroup **PLNGDE** /etc/sites/ file, description PS2GDE /etc/system **CMDREF1** /etc/system file ADMIN /etc/System.Netid (VM File Transfer) **ADMIN** /etc/.ilog file CMDREF1 /generic/dev/'sitename' DIAG /lib/xlate (VM File Transfer) **ADMIN** /machinename MANAGE /P option DOSMRG /t option **DOSMRG** /tmp **PLNGDE** /u **MANAGE**, **PLNGDE** /u minidisk INSTPS2, PLNGDE /unix file **PLNGDE** /usr/adm/acct/fiscal file CMDREF1 /usr/adm/acct/sum file CMDREF1 /usr/adm/acct/sum/loginlog file CMDREF1 /usr/adm/cron/at.allow file CMDREF1 /usr/adm/cron/at.deny file CMDREF1 /usr/adm/fee file chargefee command writes to CMDREF1 /usr/adm/pacct file checking size of CMDREF1 with acctcom command CMDREF1 /usr/adm/sendmail mail system files MANAGE /usr/adm/sulog file CMDREF2

```
/usr/adm/uucp directory
 (BNU)
       MANAGE
/usr/adm/uucp/System file USING
/usr/adm/uucp/System file
 (BNU) USING
/usr/adm/wtmp file CMDREF1, CMDREF2
     with ac command CMDREF1
     with shutdown command CMDREF1
/usr/bin
     directory MANAGE
     mail system files MANAGE
/usr/lib
    mail system files MANAGE
/usr/lib/dir using
/usr/lib/eign file CMDREF2
/usr/lib/mh directory (MH) MANAGE
/usr/lib/RSCS ADMIN
/usr/lib/terminfo file CMDREF2
/usr/lib/tmac directory
     supressing processing of macros in
      CMDREF1
/usr/lib/XerrorDB XWREF
/usr/lpp/<component>/lpp.hist
 file PLNGDE
/usr/lpp/msg directory MBCS
/usr/spool
     mail system files MANAGE
     /mqueue directory MANAGE
/usr/spool/cron/crontabs
 directory MANAGE
/usr/spool/uucp directory
 (BNU) MANAGE
/usr/spool/uucppublic directory
 (BNU) MANAGE
/usr/spool/uucppublic file
 (BNU) USING
_C_ prefix2 TECHREF1
_C_func2 TECHREF1
_EXIT system call INTREF
    See also process control
_exit system call2 TECHREF1
     with TCF TECHREF1
longimp subroutine TECHREF1
_mbxcoll subroutine MBCS
_wcxcol subroutine MBCS
_NCtolower macro2 TECHREF1
_NCtoupper macro2 TECHREF1
_NCxcol macro TECHREF1
_NLxcol macro TECHREF1
_setjmp subroutine TECHREF1
_tolower subroutine2 TECHREF1
_toupper subroutine2 TECHREF1
_XAllocScratch structure xwreF
_XExtCodes data structure xwref
_XReply extension routine XWREF
_XSend xwref
% CREF
% prompt USING
%check off compiler directive PASGDE
%check on compiler directive PASGDE
```

```
%cpage compiler directive PASGDE
%include compiler directive PASGDE
%margins compiler directive PASGDE
%page compiler directive PASGDE
%print off compiler directive PASGDE
%skip compiler directive PASGDE
%space compiler directive PASGDE
%title compiler directive PASGDE
%write compiler directive PASGDE
> USING
> (DOS redirection symbol) DOSMRG
>> CREF, USING
>> (right shift operator) PLNGDE
^Ctrl-D command PS2TEXT
? command PS2TEXT
? (global file name character) DOSMRG
?: CREF
?: CREF
:e command PS2TEXT
:map command PS2TEXT
in command PS2TEXT
:q command PS2TEXT
:r command PS2TEXT
:set command PS2TEXT
    querying
         options PS2TEXT
:sh command PS2TEXT
:ta command PS2TEXT
:w command PS2TEXT
:! command PS2TEXT
# PRGTOOL
#pragma CREF
&diamond. (VX mode) FORREF
&DIAMOND. (R1 mode) FORREF
@PROCESS statement FORGDE
! = CREF
== CREF
'' command PS2TEXT
- command PS2TEXT
- (hyphen) PS2TEXT
{ } commands PS2TEXT
[ ] commands PS2TEXT
  CREF
; command separator USING
```

Abbreviation	Book Title	Order Number
ACCADM	AIX Access for DOS Users Administrator's Guide	SC23-2042
ACCGDE	AIX Access for DOS Users User's Guide	SC23-2041
CREF	AIX C Language Reference	SC23-2058
CGDE	AIX C Language User's Guide	SC23-2057
CMDREF1	AIX Operating System Commands	SC23-2292

AIX Operating System Library Guide, Glossary, and Master Index Numeric and Special Character Entries

 +	Reference, Volume 1	 +
CMDREF2	AIX Operating System Commands Reference, Volume 2	SC23-2184
MBCS -	AIX Operating System Guide to Multibyte Character Set (MBCS) Support	GC23-2333
sysmsg 	AIX Operating System Messages Reference	SC23-2294
TECHREF1	AIX Operating System Technical Reference, Volume 1	SC23-2300
TECHREF2	AIX Operating System Technical Reference, Volume 2	SC23-2301
PRGTOOL	AIX Programming Tools and Interfaces	SC23-2304
DOSMRG	AIX PS/2 DOS Merge User's and Administrator's Guide	SC23-2045
PS2GIM	AIX PS/2 General Information	GC23-2055
PS2IN	AIX PS/2 INed	SC23-2001
PS2GDE	AIX PS/2 INmail/INnet/INftp User's Guide	SC23-2076
INTREF	AIX PS/2 Interface Library Reference	SC23-2051
PS2KEY	AIX PS/2 Keyboard Description and Character Reference	SC23-2037
PS2TEXT	AIX PS/2 Text Formatting Guide	SC23-2044
USEREF	AIX PS/2 Usability Services Reference	SC23-2039
USEGDE	AIX PS/2 Usability Services User's Guide	SC23-2038
COBREF	AIX PS/2 VS COBOL Language Reference	SC23-2003
COBRUN	AIX PS/2 VS COBOL Run-Time Guide	+ SC23-2034
COBGDE	AIX PS/2 VS COBOL User's Guide	+ SC23-2004
TCPGDE	AIX TCP/IP User's Guide	SC23-2309
FORREF	AIX VS FORTRAN Reference	SC23-2050
FORGDE	AIX VS FORTRAN User's Guide	SC23-2049
PASREF	AIX VS Pascal Reference	SC23-2054

AIX Operating System Library Guide, Glossary, and Master Index Numeric and Special Character Entries

PASGDE	AIX VS Pascal User's Guide	SC23-2053
WHIP	AIX Workstation Host Interface Program User's Guide and Reference	SC23-2060
XWREF	AIX X-Windows Programmer's Reference	SC23-2118
XWGDE	AIX X-Windows User's Guide	SC23-2017
ADMIN	AIX/370 Adminstration Guide	SC23-2088
DIAG	AIX/370 Diagnosis Guide	SC23-2090
PLNGDE	AIX/370 Planning Guide	GC23-2065
INSTPS2	Installing and Customizing the AIX PS/2 Operating System	SC23-2290
INST370	Installing and Customizing the AIX/370 Operating System	SC23-2066
MANAGE	Managing the AIX Operating System	SC23-2293
USING	Using the AIX Operating System	SC23-2291