

Reading AIXpert on CD-ROM

Welcome to the Electronic Edition of *AIXpert*. This new format provides many advantages not available with the printed publication. You can still browse through the Tables of Contents, print specific articles, or even print an entire issue. But the best feature of the electronic format is the ability to search for specific subjects that have appeared in *AIXpert* spanning several issues—from May 1994 through the current issue.

CD-ROM Contents

This CD-ROM contains the complete issues of *AIXpert* listed in the table below. Each issue has approximately 72 pages of technical information, development tips, news, market directions, and frequently asked questions for AIX and the RS/6000.

Issue Date	Subject Focus of Issue
September 1998	3-D Graphics
June 1998	Client/Server Programs
March 1998	Internet Technologies
December 1997	Parallel Programming
September 1997	64-bit Architecture
March 1997	Internet Coverage of Olympics
November 1996	Java
April 1996	Double Buffer Extension
November 1995	Client/Server Technology
August 1995	Object Technology
May 1995	Developer Support
February 1995	SMP Applications
November 1994	Symmetric Multiprocessing
August 1994	AIX 4.1
June 1994	Object-Oriented Programming
May 1994	High Availability

* This CD-ROM contains approximately 197 separate articles.

Each article appears in the Adobe Acrobat .PDF format, which allows you to read the articles from a Macintosh, Windows, or UNIX platform.

The Adobe Acrobat Reader + Search installer is also included on the CD-ROM. Using the Reader software, you can browse Tables of Contents or complete articles. As an extension of Acrobat Reader, the Search function allows you to identify articles of interest by searching specific terms or phrases that appear within the articles. With this function you can quickly pinpoint articles on particular topics without the need to browse all the issues.

This brief guide provides some tips and techniques for getting the most out of your *AIXpert* CD-ROM. For more detailed information about using Adobe Acrobat Reader or Adobe Acrobat Searcher, see the README notes and Online Guides associated with Acrobat Reader on this CD-ROM.

How to Get Started

Instructions for installing Acrobat Reader with Search on the Macintosh, Windows, and UNIX platforms are found in the README notes for Acrobat. Follow these instructions for installing Adobe Acrobat Reader with Search on the platform that you will use for viewing *AIXpert*.

Note: If you have previously installed Adobe Acrobat, you may not have the search function available. Simply install Acrobat Reader with Search, which includes plug-ins required for the search function. The README notes included with Acrobat Reader provide a comprehensive tutorial that will help you navigate with greater ease. If you are not familiar with Acrobat Reader, be sure to read the tutorial for a quick tour of reading and searching the files.

If you are running AIX 4.3, see the section entitled “Adobe Acrobat on AIX 4.3.”

After you have installed Acrobat Reader with Search and you are familiar with Acrobat Reader, you are ready to view *AIXpert*.

Browsing Tips for AIXpert

You can browse *AIXpert* by simply choosing an issue, viewing the Table of Contents, identifying an interesting article, and selecting that article. Follow these steps:

- ◆ Open the main menu document entitled AIXTOC.PDF
- ◆ Review the issue dates and subjects. The subject focus of each issue appears on the cover.
- ◆ Select an issue by clicking on its cover. The Table of Contents for that issue appears.
- ◆ Click on the title of an article and the full article appears.

You can also browse *AIXpert* through the index of articles. This list contains all articles available on the CD-ROM. Follow these steps:

- ◆ Open the main menu document entitled AIXTOC.PDF
- ◆ Click on the Show List of All Articles button. Each article is categorized under a major subject, such as AIX, Internet, or Communications.
- ◆ Browse the list of article titles.
- ◆ Click on a title and the full article appears on your screen.
- ◆ Click on the Back to Contents bar at the bottom of the page to return to the Table of Contents for that issue.
- ◆ Click on the Return to Main Menu bar at the bottom of any Table of Contents page to return to the main menu.

Printing Tips for AIXpert

You can print an individual article by following these steps:

- ◆ Select the article that you wish to print.
- ◆ Select File in the Toolbar.
- ◆ Select Print from the menu.
- ◆ Choose the pages that you wish to print: All, the Current Page, or selected multiple pages.
- ◆ Click OK for the pages to print.

You can also print an entire issue of *AIXpert* (generally about 72 pages) by following these steps:

- ◆ Click on the issue that you wish to print from the main menu or go to the Table of Contents page for that issue.
- ◆ Select the button “Click here to go to a complete version of this issue for printing.”
- ◆ Select File in the Toolbar.
- ◆ Select Print from the menu.
- ◆ Choose All.
- ◆ Click OK for the pages to print.

Note: Printing the entire issue (approximately 72 pages) may be very time consuming. You may wish to schedule this printing when your printer is not being heavily used by others.

See the Adobe Acrobat Online Guide for further information about printing.

Searching Tips for AIXpert

The ability to search across multiple *AIXpert* issues is one of the powerful features available with an electronic version of the magazine. The Acrobat searching function allows you to quickly identify a specific article, articles written by a given author, or a series of articles about a given topic.

Indexes

An index is available in order to search the various issues of *AIXpert*. This index includes all single words and multiple word phrases as well as numbers taken from all articles in *AIXpert* issues from May 1994 through the current issue. Single words from every Table of Contents page have also been indexed.

Stopwords are trivial words that have been excluded from the index and are not searchable. They cannot be searched as either single terms or as part of a phrase. Stopwords include the following:

an by from the with
and for of to

Basic Searching



A simple search consists of searching single words or multiple word phrases. To begin the search, click the Search Query button (binoculars with text icon) on the toolbar. Enter the word you wish to search, for example, Java, and click Search. The results yield a list of titles for articles that contain the word Java.

Use the same approach for searching multiple word phrases; for example, high availability, symmetric multiprocessing, or object-oriented programming. You also can search numbers, such as 2 MB, 350, or 8-way processor.

Troubleshooting Tip: For some platforms, the index file may not load properly when you enter the Search Query area. This can be remedied easily. Once you have clicked on the Search Query button and have the Adobe Acrobat Search dialog box on your screen, click on the Indexes... button. If the index (AIXFIND) has not loaded properly, it will be greyed out in the window that appears. Simply click on the Add button and locate the file INDEX.PDX in the *AIXpert* directory on your CD. Click on the Open button and the AIXFIND index file will be added to your directory of searchable indexes, allowing you to begin your search.

Search Options

The Search Options that are supported include the following:

Word stemming—Produces words that share a stem with the search word. For example, searching the word `Manage` will retrieve articles containing the word `Manage`, `Manager`, `Management`, `Managed`, etc.

Sounds like—Finds different spellings of proper names. This option applies to single words only. For example, when you search for the word `Focus`, you also retrieve the words `Faxes` and `Fixes`.

Thesaurus—Finds words that have meanings similar to the meaning of the search word. This options applies to single words only. For example, searching for the word `Begin` also finds the words `Start`, `Enter`, and `Open`.

Match case—Finds text only when it has the same capitalization as the text you type.

Proximity—Limits AND searches so that words must be within three pages of each other. (See Using Boolean Operators below.)

See the Acrobat Online Guide for details about these options.

Searching Fields

Titles and Authors are the only fields that are indexed for specific searching. You can search for a specific title or search for words that are found only in titles. To search the Title or Author fields, follow these steps:

- ◆ Choose File > Preferences > Search and select Show Fields. This adds the field dialog box to the search options when you perform a search.
- ◆ Select the Search key from the toolbar.
- ◆ Enter the title (or subject) of interest in the Title box, for example, `Multimedia`. Enter the author's name in the Author box; for example, `Eddie Ho`. Then click Search.

The search results, in this example, will contain only articles written by Eddie Ho with the term Multimedia in the title.

Using Boolean Operators

Boolean operators—AND, OR, NOT—allow you to limit or expand your search. Examples of each follow:

high availability OR HACMP

This search retrieves all articles containing either high availability, HACMP, or both. This operation expands the search.

POSIX and standards

This search retrieves articles that contain both words, POSIX and standards, anywhere within the article. This operation narrows the search.

OS/2 AND NOT AIX

This search retrieves articles about OS/2 that do not discuss AIX.

Viewing Articles

The search result lists titles of articles containing words that match your search query. These results are displayed in the Search Results window. When you open a document in the list, you only view the pages that contain the matches. All matches on a page are highlighted.

Follow these steps to view your search results:



- ◆ Use the Search button on the toolbar to view all the occurrences of matches for your query.



- ◆ Double click on an article name to open it.
- ◆ To highlight the next occurrence of a match in the article, click the Search Next button.



- ◆ To highlight the previous occurrence of a match in the article, click the Search Previous button.



- ◆ To view another article that resulted from the search query, click the Search Results button to redisplay the list, or choose Tools > Search > Results; then double-click the article name.

Obtaining Code from Articles

Many articles in *AIXpert* contain code examples. With Adobe Acrobat Reader you can cut and paste code into your own program without reentering it manually. Follow these steps to select text and copy it to the clipboard:



- ◆ Identify the code that you wish to copy.
- ◆ Click on the Text Selection button; or choose Tools from the toolbar, then choose Select Text.
- ◆ Highlight the text that you wish to copy. To select text in one column of a multicolumn page, hold down the Control key (Windows and UNIX) or the Option key (Macintosh) as you highlight the text. When you release the mouse button, the selected text is highlighted. To deselect the text and start over, click anywhere outside the selected text.
- ◆ Select Edit from the toolbar, then choose Copy. To preview the copied text while still in Acrobat, choose Window in the toolbar and then Show Clipboard.
- ◆ Go to the document where you wish to insert the code.
- ◆ Use the Paste function for your platform to insert the text into your document. For example, select Edit from the toolbar, then choose Paste for both Windows and Macintosh applications.

Adobe Acrobat on AIX 4.3

Adobe Acrobat runs on AIX versions up to AIX 4.2. If you are running AIX 4.3, follow the steps below for installing Acrobat.

Note: The CD-ROM mount point is /cdrom. If your mount point is different, substitute your mount point in step 3.

1. Login in as root.
2. Make sure X11.compat.lib.X11R5 is installed. This allows you to use the X11R5 libraries needed in step 5 below. This can be done by entering the following:

```
lslpp -l |grep X11.compat
```

It should return the following:

```
X11.compat.lib.X11R5 4.3.0.0 COMMITTED
AIXwindows X11R5 Compatibility
```

3. Install the rdr_srch Acrobat software using the following:

```
cd/cdrom/acrobat/unix/rdr_srch
./install
```

Note: Ignore the AIX 4.3 warning and enter “y” to continue the installation.

4. Assuming that you selected the default /usr/lpp/Acrobat3 as the Acrobat install point, edit the acroread script and add 4.3 as a supported AIX release.

```
vi /usr/lpp/Acrobat3/bin/acroread
```

Change:

```
AIX)
Case "$OS_release" in
4.1|4.2)
```

To:

```
AIX)
Case "$OS_release" in
4.1|4.2|4.3)
```

5. Since Acrobat requires the X11R5 libraries, you must change your LIBPATH to point to the correct libraries. Do this by exporting the LIBPATH to /usr/lpp/X11/lib/R5. (Read the README in /usr/lpp/X11 for more information.)

For example: export LIBPATH=/usr/lpp/X11/lib/R5

6. At this point, /usr/lpp/Acrobat3/bin/acroread will work and you will be able to view *AIXpert*.

Troubleshooting Tips:

Starting acroread returns the following error: “The OS named AIX version 4.3 is currently not installed.”

You must edit your acroread script to allow it to work with AIX 4.3. See step 4.

Starting acroread returns the following error: "Xt Error: widget class XacroView has invalid CompositeClass Extension record."

AIX 4.3 uses X11R6 libraries while Acrobat expects X11R5. See steps 1 and 5 to use the X11R5 libraries.

Happy Searching!

This overview of *AIXpert* on CD-ROM provides basic tips and techniques for using the electronic version of the magazine. For in-depth information about using Adobe Acrobat Reader + Search, see the Online Guides for Adobe Acrobat 3.0 and Adobe Acrobat Search on this CD-ROM.