

# IBM VisualAge C++ Professional for AIX, Version 4.0

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IBM VisualAge C++ Professional for AIX, Version 4.0

**Memorandum to: Licensees of AIX (\*) Version 4.2 and AIX Version 4.3**

**Subject: IBM VisualAge C++ Professional for AIX, Version 4.0**

**Date: 24 Sep 1998**

**Release Notes Version: 1.0**

Enclosed is information about the IBM VisualAge C++ Professional for AIX, Version 4.0.

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## **IBM VisualAge C++ Professional for AIX, Version 4.0**

VisualAge C++ Professional offers rapid application development with visual construction from parts, solid code generation and cross-platform support.

- Fully incremental compiler and the incremental development environment to increase programmer productivity.
- Powerful, robust RAD visual environment which includes the VisualAge Visual Builder and Data Access Builder.
- Integrated debugger that supports seamless source level debugging, where the debugger source view is actually editable.
- Incremental, standards-compliant C++ programming.
- Rich set of Open Class (\*\*) Libraries. The Open Class Library offers a portable set of more than 500 classes (with over 5,000 methods).
- Enhanced cross-platform portability.
- Online help and a powerful full-text search engine.

Included with VisualAge C++ Professional is the IBM C and C++ batch compilers for AIX. The IBM C and C++ batch compilers offer 64-bit enabled C and C++ batch compilers, memory management and debug memory management routines, a graphical debugger, resource tools for creating and compiling resources, online help, and a powerful full-text search engine.

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### **Overview**

VisualAge (\*\*) C++ Professional for AIX (\*) Version 4 is a powerful rapid application development (RAD) tool for building C and C++ applications. The heterogeneous RAD environment provides:

- Tools including a graphical debugger
- Incremental compiler and linker
- A rich set of class libraries
- Online help and a powerful full-text search engine

VisualAge C++ Professional provides a standards-compliant C++ compiler. Its incremental development environment and visual programming tools improve programmer productivity. In addition, you can develop applications on AIX and easily port them to OS/2 (\*) or Windows NT (\*\*) by leveraging other members of the VisualAge C++ family.

Included with VisualAge C++ Professional is the IBM C and C++ batch compilers for AIX. The IBM C and C++ batch compilers offer 64-bit enabled C and C++ batch compilers, memory management and debug memory management routines, a graphical debugger, resource tools for creating and compiling resources, online help, and a powerful full-text search engine.

## **Intended Customers**

Professional application developers in Independent Software Vendors (ISVs) and enterprises who want improved productivity, standards compliance, high-performance applications and require application portability

## **Key Prerequisites**

- AIX Version 4.1.5, or later, for RS/6000
- Browser to access the HTML-based help

## **Description**

VisualAge C++ Professional for AIX, Version 4.0 provides the new standard for C++ development environments and includes everything you need for rapid application development. VisualAge C++ Professional offers the following features:

- Rapid Application Development for C++
  - Rich set of libraries and components provide data access, user interface, application support, internationalization, collections, I/O streams, data type, exceptions, and more.
  - Visual Builder brings the power of visual programming to C++ developers.
  - Visual data access builder generates C++ classes to access DB2, Oracle, Sybase, or other databases with ODBC support.
  - Fully incremental compiler and incremental development environment increases programmer productivity.
- Incremental Development Environment
  - VisualAge C++ Professional provides a highly configurable development environment, where all tools (editor, debugger, browser) share a single source of information, the CodeStore.
  - VisualAge C++ Professional is based on IBM Research technology which allows orderless
  - programming. It eliminates the need for programmers to worry about forward declarations,

header files, and #includes.

- Using VisualAge C++, you can avoid the drudgery of makefile maintenance.
- Integrated source-level debugger supports seamless source level debugging and in-place editing. Powerful new breakpoint types (for example, class and instance) are provided, and breakpoints can be set on an object (for example, function or class) wherever it can be seen in the IDE.
- Construction from Parts Makes Reuse Real
  - Visual Builder is more than a GUI builder, it also handles all aspects of program logic -- presentation, data, communications, and transactions. Application parts can be dragged, dropped, and connected to visually represent program logic. Once your parts have been laid out and interconnected, a single click of a button generates your C++ code.
  - Provides the look and feel of the platform and allows you to add your own objects as visual and nonvisual parts.
- Superior Cross-Platform Development
  - Develop on AIX and port to OS/2 or Windows NT by using other members of the VisualAge C++ family.
  - The Open Class Library offers a portable set of more than 500 classes (with over 5,000 methods). Reuse rather than build from scratch.
  - ANSI-compliant compilers and class libraries increase application portability while reducing developer training costs.
- Powerful Batch Environment
  - IBM C and C++ batch compilers for AIX offer 64-bit enabled C and C++ batch compilers, memory management and debug memory management routines, a graphical debugger, Interprocedural Analysis tools (C only), resource tools for creating and compiling resources, online help, and a powerful full-text search engine.

## **Year 2000**

This product is Year 2000 ready. When used in accordance with its associated documentation, it is capable of correctly processing, providing, and/or receiving date data within and between the twentieth and twenty-first centuries, provided all other products (for example, software, hardware, and firmware) used with the product properly exchange accurate date data with it.

The maintenance end date for this Year-2000-ready product is January 31, 2001.

## **Ordering Information**

How to order IBM VisualAge C++ Professional for AIX, Version 4.0?

- Internet: [http://www.software.ibm.com/ad/visualage\\_c++/aix](http://www.software.ibm.com/ad/visualage_c++/aix)
- The Fall 1998 issue of "IBM Direct for RS/6000" Catalog.
- Your IBM representative, an IBM Business Partner, or IBM North America Sales Centers at 800-IBM-CALL Reference: RE010

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