

COBOL for AIX



# Installation Guide

*Version 2.0*



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**Note:**

Before using this information and the product that it supports, be sure to read the general information under "Notices" on page Appendix B, "Notices," on page 7.

**Second Edition (June 2004)**

This edition applies to IBM<sup>(R)</sup> COBOL for AIX<sup>(R)</sup>, Version 2.0 (program number 5724-H44), and to all subsequent releases and modifications until otherwise indicated in new editions. Make sure you are using the correct edition for the level of the product.

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## Installing IBM COBOL for AIX

IBM COBOL for AIX, Version 2 is available on CD-ROM and includes the following:

- IBM COBOL for AIX compiler and run time
- IBM Distributed Debugger and its context-sensitive help in HTML format
- SMARTdata UTILITIES support for VSAM and Structured File Server (SFS)

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## Specified operating environment

The following hardware and software requirements apply to COBOL for AIX.

### Hardware requirements

- COBOL for AIX, Version 2 and its generated object programs run on any processors that are supported by IBM AIX, Version 5.1 or later. These processors must be configured with at least one supported display, keyboard, and mouse.
- An SVGA 800 x 600 display (1024 x 764 recommended)
- A CD-ROM drive
- 96 MB of memory (128 MB, or higher, recommended)
- 120 MB of disk space for the COBOL compiler, tools, and documentation

### Software requirements

#### Required programs

COBOL for AIX, Version 2 and its generated object programs run under the following system environment (or subsequent releases):

- IBM AIX, Version 5.1, including X11 and Java<sup>(TM)</sup> support
- A Mozilla or Netscape browser to access the F1 help from the debugger
- Mozilla-based browsers Version 1.x or higher to access the Information Center
- Adobe Acrobat Reader 5.0 to view and print PDF documentation

#### Optional programs

To use COBOL for AIX with optional programs such as DB2<sup>(R)</sup> and CICS<sup>(R)</sup>, additional products are required:

- DB2:
  - With DB2 preprocessor support, DB2 Universal Database, Version 7 or Version 8
  - With DB2 coprocessor support, DB2 Universal Database, Version 7.2 Fixpack 11 or DB2 Universal Database<sup>(TM)</sup>, Version 8.1 Fixpack 4
- CICS: TXSeries<sup>(R)</sup> for Multiplatforms, Version 5.0 or later

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## How COBOL for AIX is packaged

This table summarizes the COBOL for AIX install images.

**Table 1. COBOL for AIX install images**

Install image	Description	Estimated storage required for installed image (MB)
cobol.cmp	IBM COBOL for AIX base	34
cobol.dbg	IBM COBOL for AIX debugger	1.4
cobol.man	IBM COBOL for AIX man page	.01
cobol.msg.en_US	IBM COBOL for AIX U.S. English messages	.2
cobol.msg.Ja_JP	IBM COBOL for AIX Japanese messages	.2
cobol.msg.ja_JP	IBM COBOL for AIX Japanese messages	.2
cobol.rte	IBM COBOL for AIX run time	14
idebug.client.extras	Debugger interpreted engine for OS/390 <sup>(R)</sup>	.6
idebug.client.gui	Debugger graphical user interface	25
idebug.client.olt	Object level trace viewer	.6
idebug.engine.compiled	Debugger engine for compiled language	4
idebug.engine.interpreted	Debugger engine for interpreted language	3
idebug.help.en_US	Debugger U.S. English help	3
idebug.msg.de_DE	Debugger German messages	.08
idebug.msg.en_US	Debugger U.S English messages	.08
idebug.msg.es_ES	Debugger Spanish messages	.08
idebug.msg.fr_FR	Debugger French messages	.08
idebug.msg.it_IT	Debugger Italian messages	.08
idebug.msg.ja_JP	Debugger Japanese messages	.08
idebug.msg.Ja_JP	Debugger Japanese messages	.08
idebug.msg.ko_KR	Debugger Korean messages	.08
idebug.msg.pt_BR	Debugger Brazilian Portuguese messages	.08
idebug.msg.zh_CN	Debugger Chinese (simplified) messages	.06
idebug.msg.Zh_TW	Debugger Chinese (traditional) messages	.02
idebug.msg.zh_TW	Debugger Chinese (traditional) messages	.02
idebug.rte.hpj	High Performance Java run time	27
idebug.rte.jre	Java run-time environment	45
idebug.rte.olt.Java	Object level trace Java run time	2.2
idebug.rte.olt.client	Object level trace client controller	1.6
idebug.server	Object level trace server Java run time	1.0
SdU.sfs	SMARTdata UTILITIES SFS	.18
SdU.vsam	SMARTdata UTILITIES VSAM	.8



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## Installing product images

Notes to users
<ol style="list-style-type: none"><li>1. If you have a version of COBOL for AIX (Version 2 or Version 1, which was called COBOL Set for AIX) currently installed on your system, you must uninstall all files before installing COBOL for AIX.</li><li>2. If you are updating the debugger from an older debugger version on AIX, you might see messages labeled sysck. You can ignore those messages.</li><li>3. Installation implies acceptance of the license agreement.</li></ol>



## Uninstalling COBOL for AIX or COBOL Set for AIX

To uninstall COBOL for AIX or COBOL Set for AIX using installp:

1. Log on as a user with root authority.
2. Enter the following command on the AIX command line:

```
installp -u cobol SdU xldb ipfx sde smartsort idebug
```

This command uninstalls all file sets from your system.

To uninstall COBOL Set for AIX using the System Management Interface Tool (SMIT):

You must have root user access to uninstall this product.

1. At the command line, type `smit install_remove` and press Enter. The Remove Installed Software window opens.
2. On the **SOFTWARE Name** line, press PF4. A list of the available software file sets appears.
3. Select all COBOL, SdU, xldb, ipfx, sde, smartsort, and idebug file sets, and then press Enter.

Some file sets might not uninstall if they are required by other, installed products.

## Installing from CD-ROM

To begin:

1. Insert the CD-ROM into the appropriate drive.
2. Log on as a user with root authority.

You can use INSTALLP from the command line to install or you can use SMIT.

### Using INSTALLP to install COBOL for AIX

If you want to install just COBOL for AIX, log on as a user with root authority, and issue the following command:

```
installp -acgY -d /dev/cd0 cobol
```

If you want to install all shipped components instead of just the COBOL compiler and library, log on as a user with root authority, and issue the following command:

```
installp -ac -d /dev/cd0 all
```

<b>Note to users</b>
The SMIT windows might vary with the level of the AIX operating system. The descriptions that follow use the windows that the most users will see.

## Using SMIT to install COBOL for AIX

You can start the System Management Interface Tool (SMIT) by entering the following command on the AIX command line:

```
smit
```

SMIT presents a menu-driven environment for the installation process.

To verify the amount of space needed for the installation, choose the following settings on the SMIT Install Software Products at Latest Level panel before you install COBOL for AIX:

- **PREVIEW only? (install operation will NOT occur)**
- **VERIFY install and check file sizes**

To preview the license agreement, choose the following setting on the SMIT Install and Update from ALL Available Software panel before you install COBOL for AIX:

- **Preview new LICENSE agreements?**

The system makes additional resource checks during installation. You can also specify the following installation option in SMIT:

### EXTEND file systems if space needed

To install:

1. Select **Software Installation and Maintenance** from the first panel.
2. Select **Install and Update Software** from the next panel.
3. Select **Install and Update from ALL Available Software**.
4. Select the installation CD from the list of available CDs.
5. In the **Software to Install** field, type All.
6. Select Yes as the value for the **Accept New License Agreements?** field.
7. Accept the rest of the default values and proceed with the installation.

When the installation is complete, you can exit from SMIT.

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## Appendix A. COBOL for AIX documentation

This section provides an overview of the documentation offered with the product. Information about the compiler, its debugger and utilities, and the COBOL programming language is provided through a HTML-based information center on the IBM external Web and through publications in Portable Document Format (PDF).

### RELATED TASKS

“Accessing the Installation Guide and License Agreement”

“Accessing the online documentation”

“Accessing PDF files”

“Accessing additional information” on page 6

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### Accessing the Installation Guide and License Agreement

This *Installation Guide* is installed on your workstation as part of the installation process. It is installed into the /usr/lpp/cobol/pdf directory. The License Agreement PDF is also available in the same directory.

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### Accessing the online documentation

HTML versions of the COBOL for AIX documentation are part of the IBM AIX Compiler Information Center at [publib.boulder.ibm.com/infocenter/comphelp/index.jsp](http://publib.boulder.ibm.com/infocenter/comphelp/index.jsp).

Context-sensitive help for the debugger is available in English by pressing F1 while you are using the debugger.

To access the Distributed Debugger online help that is specific to this product, ensure that the product name is selected in the Select product context dialog box. To access this dialog box, select **Help** —> **Change Product Context**. Help for the Distributed Debugger is available in the product only in English.

The context-sensitive help, along with information about debugger tasks and concepts, is also available in the IBM AIX Compiler Information Center.

For the latest information regarding the IBM Distributed Debugger, check the README files for the Distributed Debugger. You can find the README files for the Distributed Debugger installed in /usr/idebug/readme/<locale>/README.txt, where <locale> is the current locale after the file set idebug.client.gui has been installed.

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### Accessing PDF files

PDF versions of the COBOL for AIX documentation are available for download from the Web in the COBOL for AIX library page at [www.ibm.com/software/awdtools/cobol/aix/library/](http://www.ibm.com/software/awdtools/cobol/aix/library/). You can view and print this information by using the Adobe Acrobat Reader. If you do not already have the Adobe Acrobat Reader program installed, you can download it from the Adobe Web site at [www.adobe.com](http://www.adobe.com).

The following PDF documents are available from the COBOL for AIX library page:

- *COBOL for AIX Installation Guide* (this document), SC18-9285, provides information about prerequisite products and the steps for installing COBOL for AIX.
- *COBOL for AIX Programming Guide*, SC18-9256, provides information about how to write, compile, link-edit, and run COBOL for AIX programs.
- *COBOL for AIX Language Reference*, SC18-9257, describes the COBOL language supported by IBM COBOL for AIX.
- *VSAM File System Reply Messages*, SC18-9286, provides information about the causes of reply messages that you might receive while using the Virtual Storage Access Method (VSAM) file system.

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## Accessing additional information

For the latest information about COBOL for AIX, visit the IBM COBOL for AIX Web site at [www.ibm.com/software/awdtools/cobol/aix/about/](http://www.ibm.com/software/awdtools/cobol/aix/about/).

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## Appendix B. Notices

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Printed in USA

SC18-9285-00

