

## Release Notes

This CD-ROM contains programs provided by IBM and other program suppliers. Each program is licensed under the terms and conditions of that specific program. These terms and conditions may vary depending on the specific program or the program supplier. Specific information on the content of this media or the terms and conditions under which these programs are licensed are contained in a readme file on Volume 1 of the media.

To obtain the Content and Terms and Conditions Information, do the following:

- 1. Log in as the root user.
- Insert the Volume 1 CD-ROM into the CD-ROM drive. If your CD-ROM drive is not /dev/cd0, substitute the correct device name and type the following mount command:

```
mount -v cdrfs -o ro /dev/cd0 /mnt
cp /mnt/README* /tmp
unmount /mnt
```

The /tmp/README and /tmp/README.html files contain the content of this media or the terms and conditions under which these programs are licensed. View this information using your Web browser or the more or pg commands as in the following examples:

```
more /tmp/README

or
   netscape /tmp/README.html
```

# AIX 5L for POWER Version 5.1 Bonus Pack and Expansion Pack



## Release Notes

Before using this information and the product it supports, read the information in "Notices", on page 17.					

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# **Chapter 1. AIX 5L for POWER Version 5.1 Bonus Pack and Expansion Pack**

**Note:** To view the most current version of these Release Notes, go to the following Web site: http://www.ibm.com/servers/aix/library/

## Where to find AIX 5L for POWER Version 5.1 Bonus Pack and Expansion Pack Documentation

The AIX 5L for POWER Bonus Pack and Expansion Pack is shipped with AIX 5L for POWER Version 5.1 as a vehicle for delivering new IBM and non-IBM products. Most Bonus Pack and Expansion Pack products are installed using normal installation methods. Because some Bonus Pack and Expansion Pack products cannot be installed using normal installation methods, their installation procedures are provided under their product descriptions.

The AIX 5L for POWER Version 5.1 Bonus Pack and Expansion Pack may include products that contain a cryptographic function that is subject to special export-licensing requirements by the U.S. Department of Commerce. Import restrictions may also apply to certain countries. Different packages of the AIX 5L for POWER Version 5.1 Bonus Pack and Expansion Pack accommodate varying country export or import restrictions. Refer to Ordering Information located in the Bonus Pack announcement to determine the appropriate package. Contact your IBM representative or IBM Business Partner to determine what encryption you are entitled to receive.

The contents of the Bonus Pack and Expansion Pack vary over time. New software products may be added, changes to existing software products may occur, or products may be removed. Changes to the content of the AIX 5L for POWER Version 5.1 Bonus Pack and Expansion Pack will be announced either as part of an AIX 5L for POWER announcement or independently.

Softcopy documentation for each product is included with the product. This Release Notes document supplements the product documentation by outlining the steps for getting started and pointing you to additional product information.

Unless otherwise indicated, products can be installed from the CD using the Web-based System Manager or SMIT. For detailed instructions, see the *AIX 5L Version 5.1 Installation Guide*. The *AIX 5L Version 5.1 Installation Guide* is available through the Information Center.

#### Information Center

The pSeries Information Center is an information portal for AIX and pSeries customers. From this site, you can access:

- AIX 4.3, AIX 5.1, and AIX 5.2 documentation
- · Hardware documentation
- · Message database for 7-digit error codes, LEDS, and error identifiers
- · 5.2 How-to's and FAQs
- · Links to Redbooks, White Papers, and related products

To access the Information Center, go to the following Web site:

http://publib16.boulder.ibm.com/pseries/en US/infocenter/base

#### AIX 5L for POWER Version 5.1 Documentation

AIX documentation is also contained on the AIX documentation CD. The documentation is made accessible by loading the documentation CD onto the hard disk or by mounting the CD in the CD-ROM drive.

**Note:** The documentation contained on the CD may not be as current as the documentation on the Information Center Web site.

The following publications describe AIX 5L Version 5.1 installation:

- AIX 5L Version 5.1 Installation Guide, available online and in printed hardcopy
- · AIX 5L Version 5.1 Network Installation Management Guide and Reference, available only online

The AIX 5L Version 5.1 Installation Guide is available both online and in printed hardcopy.

To order the *AIX Version 5.1 Installation Guide*, contact your point of sale, or, in the U.S., call IBM Customer Publication Support at 1-800-879-2755. Specify order number SC23-4374.

#### To List and Preview Installation Software

You can list the available software products, packages, and filesets on AIX media. This media can be a CD-ROM, tape, diskette, or directory. The output lists the available packages and filesets on the media. Descriptions are provided at the fileset level.

You can choose to do a preview installation before doing the actual installation. A preview installation provides the preinstallation information that occurs during a regular installation, except that no software will actually be installed.

When you select a package or fileset to be installed with the preview installation process, you will see a list that contains all the requisite packages and filesets required by the selected package or fileset to be successfully installed.

The other information generated during the preinstallation process concerns file system-size checking. The file systems are checked to make sure there is enough free space available to install the selected package or fileset.

You can run the list software and previewing software functions from the command line, the SMIT interface, or the Web-based System Manager interface.

#### To List and Preview Software from the Command Line

- 1. Log in as the root user.
- 2. List the available software on the media using the **installp -ld** device command. For example, to list the software on the first CD of the base media, insert the Volume 1 CD in the first CD drive. Then type:

```
installp -ld/dev/cd0 | pg
```

#### The following displays:

```
Fileset Name Level

------

IMNSearch.bld.DBCS 2.3.1.0

# NetQuestion DBCS Buildtime Modules

IMNSearch.bld.SBCS 2.3.1.0

# NetQuestion SBCS Buildtime Modules
```

3. To do a preview installation at the command line, use the **-p** flag with the **installp** command. For example, to preview the installation of the **IMNSearch.bld.DBCS** fileset, enter:

```
installp -aXgq -p -d/dev/cd0 IMNSearch.bld.DBCS
```

The preview option shows the filesets selected to be installed, the filesets that are pulled in by requisites, and the system resources that are used by this **installp** operation.

#### To List and Preview Software from the ASCII SMIT Interface

- 1. Log in as the root user.
- 2. List available software on media using the **smitty install update** fastpath.
- Select Install Software.
- 4. Press the F4 key to list the available input devices and select the appropriate one, or type the input device name in the blank field. Press Enter to continue.
- 5. To list all available software on the selected media, press the F4 key at the SOFTWARE to Install field.
- 6. Scroll through the list of software by using the arrow keys or the Page Up or Page Down keys.

**Note:** The software shown in this listing are the available packages and filesets for that software product. For example, in the following output example, the software product is IMNSearch.

```
IMNSearch.bld
        + 2.3.1.0 NetQuestion DBCS Buildtime Modules
        + 2.3.1.0 NetQuestion SBCS Buildtime Modules
```

IMNSearch.rte.httpdlite @ 2.0.0.2 Lite NetQuestion Local Web Server

The two packages are IMNSearch.bld and IMNSearch.rte.httpdlite. The filesets in the IMNSearch.bld package are the NetQuestion DBCS Buildtime Modules fileset and the NetQuestion SBCS Buildtime Modules fileset. Both filesets are at the 2.3.1.0 level. Notice that the descriptions for the software product are described at the fileset level.

If the fileset is preceded by a plus sign (+), then it is available to be installed. If the fileset is preceded by an at sign (@), then the fileset is already installed.

- 7. Select the package or fileset you want to install by scrolling to that package or fileset and press the F7 key to make the selection. Press enter to continue.
- 8. To preview the installation of the package or fileset that you selected, press the Tab key to select yes in the **PREVIEW only?** field. Press enter.

Note: To obtain detailed information about the installation, select yes in the DETAILED output? field. The filesets being installed are displayed in parentheses.

### To List and Preview Software Using the Web-based System Manager Interface

- 1. Log in as the root user.
- 2. To initialize the environment, type wsm & at the command prompt.
- 3. In the Navigation Area, click on the plus sign (+) to the left of the client you want to manage.
- 4. Select the **Software** icon by clicking once on the plus sign (+) to the left of the **Software** icon. This action expands the Software tree.
- 5. Highlight the **Installed Software** icon.
- 6. At the top of the Web-based System Manager window in the menu bar, select **Software** to display the **Software** menu.
- 7. Select New Software (Install/Update).
- Select Install Additional Software.
- 9. Select Advanced Method.
- 10. Specify or select a software source.
- 11. To list available software, click **Browse** to display a tree view of all the software on the media. The tree can be expanded by clicking the plus sign (+) to the left of the icon.

Note: If the software is already installed, you will see a small checkmark to the left of the fileset description.

12. Select the package or fileset you want to install by highlighting the package or fileset.

Note: You can select multiple consecutive packages or filesets by holding down the left mouse button while on one selection and dragging the mouse pointer up or down.

You can also use the Ctrl key or the Shift key to select multiple items. To choose nonconsecutive selections, hold the Ctrl key while making your selections with the left mouse button. To choose consecutive selections, hold the Shift key while making your selections with the left mouse button.

13. To preview the installation of the selected package or fileset, press the Preview button.

Additional information about AIX-supported products is available from the following Web site: http://www.ibm.com/servers/aix/products/ibmsw/list/

## Chapter 2. AIX 5L for POWER Version 5.1 Bonus Pack

## AIX Developer Kit, Java <sup>™</sup> 2 Technology Edition, Version 1.3.1, 32-bit Version for POWER

AIX Developer Kit, Java <sup>™</sup> 2 Technology Edition, Version 1.3.1, 32-bit Version for POWER, is released in **Java131** \* filesets. The code on the Bonus Pack corresponds to the service refresh that was released in January, 2003. To see if a more recent service refresh is available, select the **How and where to get fixes** link from the Java 1.3.1 download page (click on the **Download** link on http://www.ibm.com/developerworks/java/jdk/aix Then select the **1.3.1** link).

# AIX Developer Kit, Java <sup>™</sup> 2 Technology Edition, Version 1.3.1, 64-bit Version for POWER

AIX Developer Kit, Java <sup>™</sup> 2 Technology Edition, Version 1.3.1, 64-bit Version for POWER, is released in **Java13\_64** \* filesets. The code on the Bonus Pack corresponds to the service refresh that was released in January, 2003. To see if a more recent service refresh is available, select the **How and where to get fixes** link from the Java 1.3.1 download page (click on the **Download** link on http://www.ibm.com/developerworks/java/jdk/aix. Then select the **1.3.1 64-bit** link).

#### Adobe Acrobat Reader 5.0.6 and Asian Font Packs

Adobe Acrobat Reader 5.0.6 is part of the Adobe Acrobat family of software, which lets you view, navigate, browse, and print documents in Portable Document Format (PDF).

Using the fonts installed with the Asian Font Packs, Adobe Acrobat Reader 5.0.6 can be used to display PDF files that contain text in Chinese Simplified, Chinese Traditional, and Korean.

To install Adobe Acrobat Reader 5.0.6 or any of the Asian Font Packs, you must first create a CD-ROM file system and mount the Bonus Pack CD-ROM using the following steps:

- 1. Log in as root user.
- 2. Insert the Bonus Pack CD-ROM into the CD-ROM drive, and type the following command:

**Note:** If your CD-ROM drive is not **/dev/cd0**, substitute the correct device name in the command. mount -v cdrfs -o ro /dev/cd0 /mnt

When the **mount** command completes, go to the **/mnt/other/Adobe/AIX\_ReadMe\_for\_Acrobat\_Reader** file for the Adobe Acrobat Reader 5.0.6 installation instructions.

Before you can install any of the Asian Font Packs, you must install Adobe Acrobat Reader 5.0.6 from this CD-ROM or from some other media (for example, download the reader from the Adobe Web site). After Adobe Acrobat Reader 5.0.6 is installed, go to the

/mnt/other/Adobe/AIX\_ReadMe\_for\_Asian\_Font\_Packs file for the Asian Font Packs installation instructions.

You can copy the following readme files from the CD-ROM to your system if you want easier access to them. To copy these files to the Adobe Acrobat Reader default installation directory, type the following commands:

cp /mnt/other/Adobe/AIX\_ReadMe\_for\_Acrobat\_Reader /usr/lpp/Acrobat5
cp /mnt/other/Adobe/AIX\_ReadMe\_for\_Asian\_Font\_Packs /usr/lpp/Acrobat5

Japanese fonts can be downloaded from the following Web site:

http://www.adobe.com/products/acrobat/acrrasianfontpack.html

#### Additional Information

For information about the Asian Font Packs, see the following Web site:

http://www.adobe.com/products/acrobat/acrrasianfontpack.html

For support information, see the following Web site:

http://www.adobe.com/support/main.html

For newer versions of the products that may be available for downloading, see the following Web site: http://www.adobe.com/products/acrobat/readstep.html

### **Geodesic Systems Great Circle 6.0.1.5**

Geodesic Systems Great Circle 6.0.1.5 is an advanced testing and diagnostic tool that allows software engineers to identify and resolve performance and reliability problems in C and C++ application software.

Additional product information can be found at:

http://www.geodesic.com/products/greatcircle.html

To install Geodesic Systems Great Circle 6.0.1.5 for AIX 5.1, you must first create a CD-ROM file system and mount the Bonus Pack CD-ROM using the following steps:

- 1. Log in as the root user.
- 2. Insert the Bonus Pack CD-ROM into the CD-ROM drive, and type the following command:

Note: If your CD-ROM drive is not /dev/cd0, substitute the correct device name in the above command.

mount -v cdrfs -o ro /dev/cd0 /mnt

When the mount command completes, go to the /mnt/other/greatcircle/readme.txt file for installation instructions.

Copy the following files from the CD-ROM to your system. To copy these files to the default installation directory, type the following commands:

```
cp/mnt/other/greatcircle/readme.txt /usr/greatcircle/readme.txt
cp/mnt/other/greatcircle/greatcircle.tar.Z \
/usr/greatcircle/greatcircle.tar.Z
```

The following files on the CD will give you more information about Great Circle before you extract the product. These files are all contained in the greatcircle.tar.z file:

- license.txt: Great Circle license information
- greatcircle.pdf: Great Circle documentation

## IBM Directory (LDAP)

To access the latest IBM Directory Version 5.1.0.0 product information, go to the following Web site: http://www.software.ibm.com/network/directory

## **Installation and Configuration**

For information specific to IBM Directory installation and configuration, go to the following Web site: http://www.software.ibm.com/network/directory/library

From this Web site, read the following documents:

IBM Directory Version 5.1.0.0 for AIX Installation and Configuration Guide

- IBM Directory Version 5.1.0.0 Server Readme
- IBM Directory Version 5.1.0.0 Client Readme
- IBM Directory Version 5.1.0.0 Readme Addendum

If using DB2 7.2, before starting Idapxcfg, verify that the following links exist, with the following commands:

```
/usr/ldap/db2 \rightarrow /usr/lpp/db2 07 01
/usr/ldap/lib/libdb2.a -> /usr/lpp/db2 07 01/lib/libdb2.a
```

If you are using DB2 8.1, you must enable asynchronous IO before you begin the configuration. To enable asynchronous IO, type the following at the command prompt:

```
smitty aio
```

There is a size underestimation with **Idap.server.com**. This underestimation is less than 1MB, but it can cause the installation to fail if enough space is not allocated.

If these links are not present, create the links as follows:

```
ln -s -f /usr/lpp/db2 07 01/lib/libdb2.a /usr/ldap/lib/libdb2.a
ln -s -f /usr/lpp/db2 07 01 /usr/ldap/db2
```

#### Installing DB2 UDB7.2

If reinstalling, force installing, or installing an update to the DB2 UDB 7.2 db2\_07\_01.msg.ja\_JP fileset, you should first remove the db2\_07\_01.msg.Ja\_JP and db2\_07\_01.msg.ja\_JP filesets.

#### Administration

After installation of the **Idap.client** package, create the following link:

```
ln -s -f /usr/ldap/lib/aix5/libldapiconv64.a /usr/lib/libldapiconv64.a
```

## **IBM Directory with Ja JP Locale**

In the Japanese environment, it is strongly recommended that you use IBM Directory in the Ja\_JP locale. In other Japanese locales, the Server Administration GUI doesn't work properly.

## Open Secure Shell (OpenSSH) 3.4.0

OpenSSH 3.4.0 is a set of commands (ssh, scp, and sftp) that provide authentication and secure tunneling capabilities. OpenSSH can be installed using SMIT. The fileset name is openssh\*. There is a fileset that contains man pages for documentation.

OpenSSH requires Open Secure Sockets Layer (OpenSSL) Version 0.9.6e for encryption. The OpenSSL package, named openssI-0.9.6e-2.aix4.3.ppc.rpm, is available on the AIX Toolbox for Linux Applications CD and can be installed using SMIT.

After installation, the OpenSSH readme can be found in the /usr/openssh/README file.

Note: OpenSSH installation uses the AIX electronic license feature. When installing through SMIT, you will need to view and accept the license text provided with OpenSSH.

## IBM Tivoli Storage Manager, Version 5.1, Evaluation Software

If you are installing Tivoli Storage Manager, Version 5.1, Evaluation Software on an AIX system where security is installed, run the following commands as the root user to ensure no improper use of these files:

```
chmod 555 /usr/lpp/tivoli.tsm.server.com/inst root/usr/tivoli/tsm/server/bin/adsmserv.mib
chmod 555 /usr/lpp/tivoli.tsm.server.com/inst root/usr/tivoli/tsm/server/bin/aix.adsm.defs
chmod 555 /usr/tivoli/tsm/server/bin/adsmserv.mib
chmod 555 /usr/tivoli/tsm/server/bin/aix.adsm.defs
```

Please visit the following Web site to select a participating and authorized IBM Tivoli Storage Manager business partner for assistance with installation and configuration:

http://info.tivoli.com/storage/try+buy

Tivoli Storage Manager server for AIX supports both 32-bit and 64-bit environments for AIX 5.1 and later.

If your system is using the 32-bit kernel, you must install the 32-bit version of the TSM server, tivoli.tsm.server.rte. If your system is using the 64-bit kernel, you must install the 64-bit version of the TSM server, tivoli.tsm.server.aix5.rte64.

Note: In either case, you must install the "common" functions, samples, etc. These are delivered in the tivoli.tsm.server.com fileset.

Should you decide to switch environments, you must uninstall Tivoli Storage Manager and reinstall to the correct version for your new environment.

## **VERITAS Foundation Suite and VERITAS Foundation Suite High Availability**

Foundation Suite includes the following:

- VERITAS Volume Manager
- VERITAS File System

Foundation Suite High Availability (HA) option includes the following:

- VERITAS Volume Manager
- VERITAS File System
- · VERITAS Cluster Server

## AIX Operating System Levels Required

If the operating system is at base level AIX 5.1, you must upgrade your system to AIX 5L for POWER Version 5.1 with the 5100-01 Recommended Maintenance package and the appropriate APARs, or AIX 5L for POWER Version 5.1 with the 5100-02 Recommended Maintenance package and appropriate APARs.

At AIX 5L for POWER Version 5.1 with the 5100-01 Recommended Maintenance package, the APARs to install are as follows:

- IY24856
- IY28392
- IY28484
- IY29731
- IY29813

At AIX 5L for POWER Version 5.1 with the 5100-02 Recommended Maintenance package, the APARs to install are as follows:

- IY29731
- IY29813

At AIX 5L for POWER Version 5.1 with the 5100-03 Recommended Maintenance package, the APAR to install is as follows:

IY32749

For additional installation information on Foundation Suite and Foundation Suite High Availability component products, and instructions on obtaining the latest AIX APARs, review the following TechNote on the VERITAS Technical Support Web site:

http://seer.support.veritas.com/docs/245873.htm

### Installation Instructions for Foundation Suite 3.4 and Foundation Suite **HA 3.4**

To install Foundation Suite 3.4 and Foundation Suite HA 3.4, do the following:

- 1. Log in as root user.
- 2. Insert the Bonus Pack software CD into a CD-ROM drive connected to your system.
- 3. Create a directory to use as a mount point, as follows:
  - # mkdir -d /cdrom
- 4. Mount the CD on the mount point, as follows:

Note: If your CD-ROM drive is not /dev/cd0, substitute the correct device name in the preceding command.

# mount -V cdrfs -o ro /dev/cd0 /cdrom

5. To install Foundation Suite, run the /cdrom/other/VRTSFST/pkgs/VRTSinstall script. The installation script for the HA component is /cdrom/other/VRTSVCS/installvcs.

The release notes for the Foundation Suite and the Foundation Suite HA are in the /cdrom/other/VRTSFST/release\_notes/ and /cdrom/other/VRTSVCS/release\_notes/ directories.

The VERITAS Foundation Suite and HA documentation is on the CD-ROM in the /cdrom/other/VRTSFST/docs and /cdrom/other/VRTSVCS/docs directories, respectively.

## WebSphere Application Server, Advanced Single Server Edition **Version 4.0, Evaluation Software**

## Installation of IBM WebSphere Server on AIX 5L

After the installation of IBM WebSphere 4.01 or later WebSphere service releases on AIX 5L there are several errors returned when the Ippchk command is run against an AIX system. These errors are inconsequential to the system and can be easily cleaned up by copying the

./other/IBMWebAS/clean up was script to the system and then executing it when you are logged in as the root user. This will clean up the majority of the error messages from the Ippchk command when run.

Fixpacks may be downloaded from the following Web site:

http://www.ibm.com/support/all download drivers.html

From this Web site, select Purchase and download software and then Web Application Servers. Then select WebSphere Application Server.

## Chapter 3. AIX 5L for POWER Version 5.1 Expansion Pack

### IBM HTTP Server for AIX, Version 1.3.19.4

This section provides a brief product overview and information about installing the IBM HTTP Server (IHS) and its documentation.

#### **Product Overview**

IBM HTTP Server is a Web server. It is based on the Apache Web server developed by the Apache Group. IBM HTTP Server Version 1.3.19.4 is similar to the Apache version, but the IBM version contains additional patches from the Apache development tree.

IBM HTTP Server includes support for SSL secure connections, which is not available in the Apache Web server developed by the Apache Group. The addition of this feature required modifications to several of the base Apache source code files. Therefore, it is not possible to rebuild the entire IBM binary distribution with the given source due to legal restrictions on the SSL technology. However, the Apache source (from which the IBM HTTP Server is based) is included, and an Apache module can be written to run with the IBM HTTP Server.

#### Limitations

The license restriction for IBM HTTP Server Version 1.3.19.4 states that when used outside of Websphere Application Server (WAS), IHS can only be used in conjunction with AIX Web-based System Manager and Documentation Library (DocSearch) in order to receive support.

IBM HTTP Server Version 1.3.19.4 does not support the Fast Response Cache Accelerator function on AIX 5L for POWER Version 5.1. However, there may be other Web servers that support the Fast Response Cache Accelerator function on AIX 5L for POWER Version 5.1.

### **Documentation**

The IBM HTTP Server product Web site contains the latest version of the documentation and installation instructions. Visit the following Web site frequently to get the most up-to-date information:

http://www.ibm.com/software/webservers/httpservers/library.html

From this Web site, click on **User Assistance** for the IBM HTTP Server documentation and other information.

Documentation is also available in the /usr/HTTPServer/htdocs/locale /manual/ibm/ directory (substitute your country locale for locale).

#### Installation Instructions

Due to the license restrictions for IHS 1.3.19.4 when used outside a WAS environment, the following installation instructions pertain only to the use of IHS with Web-based System Manager and DocSearch.

- 1. Back up your Web server configuration files in the **conf** directories, and back up the Web site created under the **htdocs** directory.
- 2. Uninstall any previous versions of the server by doing the following:
  - a. Log in as the root user.
  - b. Stop the server by changing the directory to /usr/HTTPServer/bin, and then type the following: ./apachectl stop
  - c. Type smitty.
  - d. Select Software Installation and Maintenance.
  - e. Select Software Maintenance and Utilities.

- Select Remove Installed Software.
- g. Click List under Software Name.
- h. Select the following filesets from the list:
  - http\_server.admin
  - http server.base.rte
  - http\_server.base.source
  - http\_server.frca
  - http\_server.html.en\_US
  - http\_server.modules.fcgi
  - http\_server.modules.ldap
  - http\_server.modules.ldap.128
  - http\_server.modules.mt
  - http\_server.modules.snmp
  - http\_server.msg.xx\_XX.admin
  - http server.html.xx
  - http\_server.msg.xx.ssl.core
  - http server.base.source
  - · server.en US.SSL.core
  - server.ssl.128.source

**Note:** The variable xx\_XX is the country that was installed.

- i. Click OK.
- j. Change the **Preview only** option to No.
- k. Click OK.
- 3. Web-based System Manager and DocSearch only require two filesets from IHS Version 1.3.19.4 in order to provide remote document or file service. They are:
  - http\_server.base.rte (HTTP Server Base Run-Time)
  - http\_server.base.source (HTTPServer Source Code)
- 4. Log in as root user.
- 5. Type smitty.
- Select Software Installation and Maintenance.
- 7. Select Install and Update Software.
- Select Install Software Bundle.
- At the INPUT device/directory for software field, click List and select the CD-ROM or DVD-RAM drive (per the system configuration).
- 10. In the Select a Fileset Bundle list, choose the wsm\_remote bundle and press Enter.
- 11. Press Enter and Enter again to complete the installation and the remote configuration for Web-based System Manager and the Documentation and Search Server.

Note: Additional message filesets for the supported country codes are available on the media.

The /usr/HTTPServer path is used as the base directory. Documents and files are served from /usr/HTTPServer/htdocs.

- 12.
- 13. Click **OK**.
- 14. Answer yes to the confirmation messages. The **/usr/HTTPServer** path is used as the base directory.

15. To start the IBM HTTP Server, either reboot the system so that the HTTP Server will be automatically started through the system's /etc/inittab file, or type the following from the AIX command line: /usr/HTTPServer/bin/httpd > /dev/console 2>&1

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## **Netscape Communicator Version 4.8.0.0**

The Expansion Pack includes the Netscape Web browser product, Communicator, Version 4.8.0.0. Netscape Communicator, Version 4.8.0.0, includes the following features:

- Navigator, Messenger, Composer, and Newsgroups
- Message and help filesets for Brazilian Portuguese, Catalan, Czech, English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Russian, Slovakian, Spanish, Simplified Chinese, and Traditional Chinese languages
- Initial unicode (UTF-8) implementation for all languages listed above for AIX Version 4.3.3 and later
- Bidirectional support for Hebrew and Arabic locales
- Java support, JVM 1.1.5 and AWT 1.1

#### **Installation Information**

The Expansion Pack CD contains the 128-bit encrypted version of Netscape Communicator (the U.S. package).

The Netscape Communicator files are installed in the /usr/netscape/communicator directory and the /usr/netscape/communicator/us directory.

Installation of messages and helps for Netscape Communicator creates several subdirectories. The files are contained in the /usr/lpp/X11/lib/X11/\$LANG/communicator directory.

Note: The locale fileset should be installed prior to installing the corresponding Netscape message fileset.

## **Migration Information**

If you are planning to migrate your AIX system to AIX 5.1, you must install Netscape Communicator, Version 4.8.0.0, prior to migrating AIX. Previous versions of Netscape Communicator will not run on AIX 5.1.

#### **AIX Web Browsers Site**

For information about Web browsers on AIX including the latest Netscape Communicator installp images, see the following Web Browsers for AIX site:

http://www.ibm.com/servers/aix/browsers/

For the latest Netscape Communicator fixes, see the following Web site:

http://aix.software.ibm.com/aix/efixes/netscape

Due to the 128-bit encryption in Netscape Communicator, there is no site available that can be reached through the command line ftp. If you have an earlier version of the AIX Expansion Pack and you do not have Web access, you may request a current Expansion Pack by contacting your IBM Representative, IBM Business Partner, by calling 1-800-879-2755 (then, take option 2, and again option 2), or by shopping the IBM online store. An additional media charge for Expansion Pack updates may be required in some countries.

#### More Information

For more information, refer to the /usr/netscape/communicator/README.html file.

For information on how to receive a browser update if a Web download is not possible, refer to the /usr/netscape/communicator/README file.

#### IBM Network Authentication Service Version 1.3 for AIX

IBM Network Authentication Service Version 1.3 for AIX is a network authentication protocol based on the IETF RFC 1510 standards protocol for the Kerberos V5 IBM Network Authentication Service. It includes the Generic Security Service Application Programming Interface (GSS-API), the key distribution center server (KDC), and the server. IBM Network Authentication Service allows AIX middleware and external application writers to use authenticated and optionally encrypted message flow between their respective components.

#### **Documentation**

Read the **README**. lang file for IBM Network Authentication Service Version 1.3 before configuring or using the program, where lang specifies one of the following language locales:

- Chinese (Simplified)
- · Chinese (Traditional)
- English
- French
- Korean
- Portuguese (Brazilian)
- Spanish

The README.lang file for AIX is in the /usr/lpp/krb5 directory after the krb5.client.rte fileset is installed from the krb5.client client installation package. The README.lang file can also be viewed using the SMIT list media info command to list supplemental fileset information on the installation media for the krb5.client.rte fileset.

Documentation for IBM Network Authentication Service is available in the krb5.doc.lang installation packages, where lang specifies one of the following language locales:

- en\_US (U.S. English)
- Ja\_JP (Japanese)
- es\_ES (Spanish)
- fr\_FR (French)
- ko\_KR (Korean)
- zh CN (Simplified Chinese)

The documentation is in both HTML and PDF formats. Install the krb5.doc.lang.html fileset for HTML and the krb5.doc.lang.pdf fileset for PDF.

The IBM Network Authentication Service Version 1.3 Administrator's and User's Guide is installed in the following directories:

HTML

/usr/lpp/krb5/doc/html/lang/ADMINGD

PDF

/usr/lpp/krb5/doc/pdf/lang/ADMINGD

The IBM Network Authentication Service Version 1.3 Application Development Reference is installed in the following directories:

HTML

/usr/lpp/krb5/doc/html/lang/APDEVREF

PDF

/usr/lpp/krb5/doc/pdf/lang/APDEVREF

## **Installation and Configuration**

The IBM Network Authentication Service Version 1.3 Administrator's and User's Guide explains how to install and configure the product.

## **DES Encryption Kernel Extension 64-bit Support**

The DES encryption kernel extension (nfs\_kdes\_full.ext) now includes support for 64-bit kernels. This extension is used to enable Secure NFS by encrypting timestamps sent between client and server that allow each RPC message to be authenticated. For more details see the Network File Systems (NFS) Security article in the AIX 5L Version 5.2 Security Guide.

The DES encryption kernel extension is available from the **des** fileset on the AIX Expansion Pack.

## **Appendix. Notices**

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