



Sun Java™ System

Application Server Enterprise Edition

8.1

Installation Guide

2005Q1

Sun Microsystems, Inc.
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U.S.A.

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Preface

This guide provides instructions for installing the Sun Java™ System Application Server Enterprise Edition 8.1 2005Q1 software.

This preface contains information about the following topics:

- [Who Should Use This Book](#)
- [How This Book Is Organized](#)
- [Conventions Used in This Book](#)
- [Related Documentation](#)
- [Who Should Use This Book](#)
- [Contacting Sun Technical Support](#)
- [Related Third-Party Web Site References](#)
- [Sun Welcomes Your Comments](#)

Who Should Use This Book

This guide is intended for system administrators, network administrators, evaluators, application server administrators, web developers, and software developers who want to install the Application Server software.

This guide assumes you are familiar with the following topics:

- Installation of software products
- UNIX, Linux, or Microsoft Windows, depending on your operating system

- Client/server programming model
- Internet and World Wide Web

How This Book Is Organized

Table 1 How This Book Is Organized

Chapter	Description
Chapter 1, “Installing Application Server 8.1 Software”	Provides instructions for installing Application Server software.
Chapter 2, “Uninstalling Application Server 8.1 Software”	Provides instructions for uninstalling Application Server software.

Conventions Used in This Book

The tables in this section describe the conventions used in this book.

Typographic Conventions

The following table describes the typographic changes used in this book.

Table 2 Typographic Conventions

Typeface	Meaning	Examples
AaBbCc123 (Monospace)	API and language elements, HTML tags, web site URLs, command names, file names, directory path names, onscreen computer output, sample code.	Edit <code>your.login</code> file. Use <code>ls -a</code> to list all files. <code>% You have mail.</code>
AaBbCc123 (Monospace bold)	What you type, when contrasted with onscreen computer output.	<code>% su</code> Password:

Table 2 Typographic Conventions (*Continued*)

Typeface	Meaning	Examples
<i>AaBbCc123</i> (Italic)	Book titles, new terms, words to be emphasized. A placeholder in a command or path name to be replaced with a real name or value.	Read Chapter 6 in the <i>User's Guide</i> . These are called <i>class</i> options. Do <i>not</i> save the file. The file is located in the <i>install-dir/bin</i> directory.

Symbols

The following table describes the symbol conventions used in this book.

Table 3 Symbol Conventions

Symbol	Description	Example	Meaning
[]	Contains optional command options.	ls [-l]	The -l option is not required.
{ }	Contains a set of choices for a required command option.	-d {y n}	The -d option requires that you use either the y argument or the n argument.
-	Joins simultaneous multiple keystrokes.	Control-A	Press the Control key while you press the A key.
+	Joins consecutive multiple keystrokes.	Ctrl+A+N	Press the Control key, release it, and then press the subsequent keys.
>	Indicates menu item selection in a graphical user interface.	File > New > Templates	From the File menu, choose New. From the New submenu, choose Templates.

Default Paths and File Names

The following table describes the default paths and file names used in this book.

Table 4 Default Paths and File Names

Term	Description
<i>install_dir</i>	By default, the Application Server installation directory is located here: <ul style="list-style-type: none">• Sun Java Enterprise System installations on the Solaris™ platform: /opt/SUNWappserver/appserver• Sun Java Enterprise System installations on the Linux platform: /opt/sun/appserver/• Other Solaris and Linux installations, non-root user: user's home directory/SUNWappserver• Other Solaris and Linux installations, root user: /opt/SUNWappserver• Windows, all installations: SystemDrive:\Sun\AppServer
<i>domain_root_dir</i>	By default, the directory containing all domains is located here: <ul style="list-style-type: none">• Sun Java Enterprise System installations on the Solaris platform: /var/opt/SUNWappserver/domains/• Sun Java Enterprise System installations on the Linux platform: /var/opt/sun/appserver/domains/• All other installations: install_dir/domains/
<i>domain_dir</i>	By default, each domain directory is located here: domain_root_dir/domain_dir In configuration files, you might see <i>domain_dir</i> represented as follows: {com.sun.aas.instanceRoot}
<i>instance_dir</i>	By default, each instance directory is located here: domain_dir/instance_dir

Shell Prompts

The following table describes the shell prompts used in this book.

Table 5 Shell Prompts

Shell	Prompt
C shell on UNIX or Linux	<i>machine-name%</i>
C shell superuser on UNIX or Linux	<i>machine-name#</i>
Bourne shell and Korn shell on UNIX or Linux	\$
Bourne shell and Korn shell superuser on UNIX or Linux	#
Windows command line	C:\

Related Documentation

The <http://docs.sun.com>SM web site enables you to access Sun technical documentation online. You can browse the archive or search for a specific book title or subject.

Books in This Documentation Set

The Sun Java System Application Server manuals are available as online files in Portable Document Format (PDF) and Hypertext Markup Language (HTML).

The following table summarizes the books included in the Application Server core documentation set.

Table 6 Books in This Documentation Set

Book Title	Description
<i>Release Notes</i>	Late-breaking information about the software and the documentation. Includes a comprehensive, table-based summary of the supported hardware, operating system, JDK, and JDBC/RDBMS.
<i>Quick Start Guide</i>	How to get started with the Sun Java System Application Server product.
<i>Installation Guide</i>	Installing the Sun Java System Application Server software and its components.

Table 6 Books in This Documentation Set (*Continued*)

Book Title	Description
<i>Deployment Planning Guide</i>	Evaluating your system needs and enterprise to ensure that you deploy Sun Java System Application Server in a manner that best suits your site. General issues and concerns that you must be aware of when deploying an application server are also discussed.
<i>Developer's Guide</i>	Creating and implementing Java™ 2 Platform, Enterprise Edition (J2EE™ platform) applications intended to run on the Sun Java System Application Server that follow the open Java standards model for J2EE components and APIs. Includes general information about developer tools, security, assembly, deployment, debugging, and creating lifecycle modules.
<i>J2EE 1.4 Tutorial</i>	Using J2EE 1.4 platform technologies and APIs to develop J2EE applications and deploying the applications on the Sun Java System Application Server.
<i>Administration Guide</i>	Configuring, managing, and deploying the Sun Java System Application Server subsystems and components from the Administration Console.
<i>High Availability Administration Guide</i>	Post-installation configuration and administration instructions for the high availability database.
<i>Administration Reference</i>	Editing the Sun Java System Application Server configuration file, <code>domain.xml</code> .
<i>Upgrade and Migration Guide</i>	Migrating your applications to the new Sun Java System Application Server programming model, specifically from Application Server 6.x and 7. This guide also describes differences between adjacent product releases and configuration options that can result in incompatibility with the product specifications.
<i>Performance Tuning Guide</i>	Tuning the Sun Java System Application Server to improve performance.
<i>Troubleshooting Guide</i>	Solving Sun Java System Application Server problems.
<i>Error Message Reference</i>	Solving Sun Java System Application Server error messages.
<i>Reference Manual</i>	Utility commands available with the Sun Java System Application Server; written in manpage style. Includes the <code>asadmin</code> command line interface.

Other Server Documentation

For other server documentation, go to the following:

- **Message Queue documentation**
<http://docs.sun.com/db?p=prod/s1.s1msgqu>
- **Directory Server documentation**
http://docs.sun.com/coll/DirectoryServer_04q2
- **Web Server documentation**
http://docs.sun.com/coll/S1_websvr61_en

Accessing Sun Resources Online

For product downloads, professional services, patches and support, and additional developer information, go to the following:

- Download Center
<http://www.sun.com/software/download/>
- Professional Services
<http://www.sun.com/service/sunps/sunone/index.html>
- Sun Enterprise Services, Solaris Patches, and Support
<http://sunsolve.sun.com/>
- Developer Information
<http://developers.sun.com/prodtech/index.html>

Contacting Sun Technical Support

If you have technical questions about this product that are not answered in the product documentation, go to <http://www.sun.com/service/contacting>.

Related Third-Party Web Site References

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To share your comments, go to <http://docs.sun.com> and click Send Comments. In the online form, provide the document title and part number. The part number is a seven-digit or nine-digit number that can be found on the title page of the book or at the top of the document. For example, the title of this book is *Sun Java System Application Server 2005Q1 Installation Guide*, and the part number is 819-0218.

Installing Application Server 8.1 Software

This chapter provides instructions for installing the Sun Java System Application Server Enterprise Edition 8.1 software. You can install interactively or use silent mode to replicate an installation scenario on multiple machines.

The following topics are addressed:

- [About the Application Server Installation](#)
- [Installing Application Server Software](#)
- [Installing the Load Balancer Plug-in Component](#)
- [Installing in Silent Mode](#)

For any late-breaking updates to these instructions, check the *Sun Java System Application Server Release Notes*.

For more information about configuring your application server after installation, refer to the *Sun Java System Application Server Administration Guide*.

The following location contains product downloads and other useful information:

http://www.sun.com/software/products/appsrvr/home_appsrvr.html

About the Application Server Installation

The Sun Java System Application Server product is made up of a number of software components that work together to create the Sun Java System Application Server experience. Among the choices for installation are:

- You can install from the product CD or from the download site.
- You can install from the command-line interface or the graphical interface.

- You can install interactively or in silent mode.

This section addresses the following topics:

- [Installation Components](#)
- [Installation Methods](#)

Installation Components

In general, you are installing the basic components that provide the functionality of the Sun Java System Application Server product. You can choose not to install some of the components. Later, if you want to add a component that you initially chose not to install, you can do an incremental installation of that component, providing dependencies are met.

NOTE	A partial installation can be followed by any number of incremental installations. For silent mode, you can do a partial initial installation, but any subsequent installations must be done using an interactive method.
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The installation program enforces component dependencies as specified for each component. Once component dependencies are satisfied, component life cycles are independent. A particular component can be installed dynamically through incremental installation without corrupting other components. However, partial uninstallation is not supported.

The following installation components are included with the Sun Java System Application Server Enterprise Edition product:

- **Application Server**—Sun Java System Application Server software, including its command-line administrative tools, and Sun Java™ System Message Queue software.

Sun Java System Message Queue software is automatically installed with the Application Server software here: *install_dir/imq*

- **Domain Administration Server**—Sun Java System Application Server software, including the Admin Console, its graphical administrative tool.

- Application Server Administration Client—`asadmin` utility

Select the Administration Client component to install the command-line utility separately on a machine where the Application Server is not installed. When you install the Application Server or the Domain Administration Server, the Administration Client is also installed.

- Java 2 Software Development Kit—During installation, you can choose to reuse a Java™ 2 SDK that is already installed on your system as long as the Java 2 SDK version is correct. The default installation location for each distribution is `install_dir/jdk`.

Refer to the *Sun Java System Application Server Enterprise Edition 8.1 2005Q1 Release Notes* to identify which version of the Java 2 SDK is supported.

NOTE The Sun Java System Application Server product is certified to work with Java 2 SDK from Sun Microsystems. Third-party Java development kits, even with appropriate version numbers, are not supported.

- PointBase database server
- Sample applications—samples come with the source, schema, Ant build scripts, and EAR files. Any existing data associated with the database-related samples is available in the database. These sample applications are categorized as:
 - Technology samples—Introduce various technical aspects of the Java™ 2 Platform, Enterprise Edition (J2EE™) specification as well as the value added features of the Sun Java System Application Server platform.
 - Interoperability samples—Provide more detailed views on how these technologies come together on the Sun Java System Application Server platform.

By default, the sample applications are installed at: `install_dir/samples`

More information about samples at: `install_dir/samples/index.html`

The following additional components are included with the Sun Java System Application product:

- High-Availability Database Server (Enterprise Edition)—By default, the HADB Server is installed at: `install_dir/hadb`.

To install the Application Server Enterprise Edition and an HADB server node on the same system, select both components.

For more information on this component, refer to the HADB Configuration chapter in the *Sun Java System Application Server High Availability Administration Guide*.

- **Load balancer plug-in**—This component is dependent on a pre-installed web server. Supported web servers are listed in the *Sun Java System Application Server Enterprise Edition 8.1 2005Q1 Release Notes*, in the section titled Platform Summary.

For additional information on this component and supported web servers, refer to [“Installing the Load Balancer Plug-in Component” on page 22](#) and the “Configuring Load Balancing” information in the *Sun Java System Application Server High Availability Administration Guide*.

Installation Methods

Three methods of installation are available:

- **Graphical (interactive)**—The installation program prompts you using a sequence of graphical screens. This is the default method when you invoke the installation program without options:

`./bundle_filename`

- **Command-line (interactive)**—The installation program prompts you using a sequence of command-line prompts and messages. To activate the interactive command-line mode, invoke the installation program using the `console` option:

`./bundle_filename -console`

Use the command-line interface when installing:

- On a remote servers, using the Telnet terminal emulation protocol
- On “headless” systems without display devices
- In hardened Solaris environments
- **Silent mode**—The installation program reads installation parameters from a supplied configuration file. See [“Installing in Silent Mode” on page 23](#) for more information on generating the configuration file.

The setup command allows you to specify the method of installation, and allows you to create a configuration file for silent installation. The syntax is:

```
bundle_filename [-console ] [-savestate config_file] [-silent config_file]
[-javahome java_home_dir] [-h || -help]
```

[Table 1-1](#) describes the command options.

Table 1-1 Options for installation

Option	Description
-console	Runs the installation using the command-line method.
-silent <i>config_file</i>	Runs the installation in silent mode. Installation parameters are read from an existing installation configuration file. This option is mutually exclusive with the <i>savestate</i> option. The installation configuration file path must be explicitly provided; there is no default file path. Refer to “Installing in Silent Mode” on page 23 for further specifics on silent mode installation and the installation configuration file.
-savestate <i>config_file</i>	Runs the installation using either the graphical or command-line method and creates an installation configuration file based on this installation. This option is mutually exclusive with the silent option. If you do not specify this option, no installation configuration file is created.
-javahome	<i>java_home_dir</i>
-h -help	Displays the available command-line arguments for the installation command.

[Table 1-2](#) identifies the command for each installation method.

Table 1-2 Installation commands

Installation Method	Installation Command
Graphical interface (default)	<i>./bundle_filename</i>
Command-line interface	<i>./bundle_filename</i> -console
Graphical interface for creating configuration file for silent mode installation	<i>./bundle_filename</i> -savestate <i>config_file</i>
Silent mode based on an existing installation configuration file	<i>./bundle_filename</i> -silent <i>config_file</i>
Display available Command-line arguments for the setup command	<i>./bundle_filename</i> -help

Installing Application Server Software

This section provides instructions for installing the Sun Java System Application Server Enterprise Edition 8.1 2005Q1 software.

1. After you have planned the topology, run the installation program. For more information, see the *Sun Java System Application Server Deployment Planning Guide*.
 - a. To run the installation program that uses the graphical interface, at the command prompt, type `./bundle_filename`.
 - b. To run the installation program that uses the command-line interface, at the command prompt, type `./bundle_filename -console`

NOTE	If you are installing the load balancer plug-in, your web server must already be installed. Refer to “Installing the Load Balancer Plug-in Component” on page 22.
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2. Follow the installation wizard screens to accept the license agreement, and specify the path to the Application Server installation directory; or accept the default installation directory.

3. Select the components to install.

If a component is disabled, the installation program has detected it as already installed on your system.

If you do not already have your web server installed on the machine where you are installing the load balancer plug-in, you cannot continue to install the load-balancer plug-in.

4. Choose to install the Java 2 SDK, or use a preinstalled Java 2 SDK.
 - If the correct version of the Java 2 SDK is installed, it is reused or you can enter the path to another correct version.
 - If no Java 2 SDK is installed, you can choose to let the installation program install the Java 2 SDK package automatically.
 - If you choose to install the Java 2 SDK, a private copy is installed in *install_dir*.

The default Java 2 SDK installation path for all platforms is *install_dir*/jdk.

NOTE The Sun Java System Application Server Enterprise Edition software is certified to work with Java 2 SDK from Sun Microsystems. Third-party Java 2 SDK development kits, even with appropriate version number, are not supported.

The default server domain directory is: *install_dir*/domains.

5. If you selected the load balancer plug-in component, identify your web server and its installation directory.
6. In the Admin Configuration page (or at the command line), enter the following:
 - Admin User Name—Name of the user who administers the server
 - Password—Admin user's password to access the Admin Server (8-character minimum)
 - Master Password—SSL certificate database password, used in operations such as Domain Administration Server startup
 - Admin Port—Port number to access the Domain Administration Server
 - HTTP Port—Port number to access the default server instance
 - HTTPS Port—Secure port number to access the default server instance

NOTE The installation program automatically detects ports in use and suggests unused ports for the default settings.

The default ports are 4849 for the Admin Server, 8080 for the HTTP Server, and 8181 for the HTTPS Server.

7. In the Node Agent Configuration page, if you are installing the Node Agent only, and not the Domain Application Server, enter the following:
 - Admin User Name—Name of the user who administers the server
 - Admin Password—Admin user's password (8-character minimum)
 - Master Password—SSL certificate database password, used in operations such as Node Agent startup
 - Admin Host Name—Host name of the Domain Administration Server

- Admin Port—Port number to access the default server instance
- Node Agent Name—Defaults to the system host name

NOTE The admin user name, admin password, master password, admin host name and admin port parameters should correspond to the location and authentication information of the Domain Administration Server, which is used to administer node agent and server instance on this system.

If the Domain Administration Server is already installed on *hostname.com* using these values:

Admin User Name: admin
Admin Password: adminadmin
Master Password: masterpassword
Admin Host Name: hostname
Admin Port: 4849

enter these same values while installing Application Server on another system.

Because node agent names must be unique within each server domain, it is recommended that you do not change the node agent name.

8. In the Installation Options page, select the options that you want.

If you select the “Upgrade from Previous Version” checkbox, the upgrade process begins after installation is completed. For information about upgrading, see the *Sun Java System Application Server Upgrade and Migration Guide*.

9. The installation program verifies the available disk space on your machine. If you do not have enough disk space, an error message is displayed. Consult the Sun Java System Application Server Release Notes to identify the minimum disk space required.
10. In the Ready to Install page, verify the information on what is to be installed, and click Install Now to start the installation (or enter yes at the command line).

11. When the installation is complete, read the installation summary page to determine the status of the installation. If the installation is successful, click Finish.

If the installation is unsuccessful, consult the log files located at:

- Install Log files:
 - For Solaris SPARC and x86 root user:
/var/sadm/install/logs/Install_Application_Server_8EE_*timestamp*.log
 - For Solaris SPARC and x86 non-root user:
/var/tmp/Install_Application_Server_8EE_*timestamp*.log
 - For Linux root and non-root user:
/var/tmp/Install_Application_Server_8EE_*timestamp*.log
 - For Windows root and non-root user:
%TEMP%\Install_Application_Server_8EE_*timestamp*.log
- Low-level log files:
 - Solaris (root installation):
/var/sadm/install/logs/Sun_Java_System_Application_Server_Enterprise_Edition_install.B*timestamp*
 - Solaris (non-root installation):
/var/tmp/Sun_Java_System_Application_Server_Enterprise_Edition_install.B*timestamp*
 - Linux:
/var/tmp/Sun_Java_System_Application_Server_Enterprise_Edition_install.B*timestamp*
 - Windows:
%TEMP%\Sun_Java_System_Application_Server_Enterprise_Edition_install.B*timestamp*

12. See the *Sun Java System Application Server Quick Start Guide* in the *install_dir/docs-ee* directory for information about starting the server.

If you selected the HADB components:

1. Verify that you have successfully installed the HADB on each host by typing:
hadbm --help

A list of all commands available using the hadbm utility is displayed. The hadbm is located at *install_dir/hadb/4/bin*.

2. Configure your system for high availability. See the *Sun Java System Application Server High Availability Administration Guide* for information.

Installing the Load Balancer Plug-in Component

To install the load balancer plug-in component:

1. Check the system hosting the web server and load balancer plug-in to see if a previously-installed load balancer plug-in or reverse proxy plug-in is present. If it is, remove it using the uninstallation program.
2. Verify that the supported web server is installed on the machines where you are going to install the load balancer plug-in.

NOTE	You must install the web server and the load balancer plug-in using the same user account.
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Consult the *Sun Java System Application Server 8.1 2005Q1 Release Notes* to identify currently supported Web Server versions.

3. Identify your web server and the web server instance path.

The Installation Summary page is displayed indicating the installation status.

If the installation is unsuccessful, consult the installation log file located at:

- Install Log files:
 - For Solaris SPARC and x86 root user:
`/var/sadm/install/logs/Install_Application_Server_8EE_timestamp.log`
 - For Solaris SPARC and x86 non-root user:
`/var/tmp/Install_Application_Server_8EE_timestamp.log`
 - For Linux root and non-root user:
`/var/tmp/Install_Application_Server_8EE_timestamp.log`
 - For Windows root and non-root user:
`%TEMP%\Install_Application_Server_8EE_timestamp.log`
- Low-level log files:

- **Solaris (root installation):**
/var/sadm/install/logs/Sun_Java_System_Application_Server_Enterprise_Edition_install.*Btimestamp*
- **Solaris (non-root installation):**
/var/tmp/Sun_Java_System_Application_Server_Enterprise_Edition_install.*Btimestamp*
- **Linux:**
/var/tmp/Sun_Java_System_Application_Server_Enterprise_Edition_install.*Btimestamp*
- **Windows:**
%TEMP%\Sun_Java_System_Application_Server_Enterprise_Edition_install.*Btimestamp*

Installing in Silent Mode

Silent mode installation runs without any user input checking a configuration file to obtain the installation information. The following topics are discussed:

- [Creating the Installation Configuration File](#)
- [Installing in Silent Mode](#)

Creating the Installation Configuration File

The installation configuration file is created when you use the `savestate` option with the `setup` command to start a interactive installation. During the interactive installation, your input is collected and stored in the configuration file you specified. This forms the template for silent installation, which you can use later to install the product on one or more machines. If needed, you can modify the installation configuration file.

The following topics are addressed:

- [Syntax for Creating the Installation Configuration File](#)
- [Example Installation Configuration File](#)
- [Modifying the Installation Configuration File](#)

Syntax for Creating the Installation Configuration File

The syntax for creating an installation configuration file is as follows:

For graphical method: `./bundle_filename -savestate filename`

For command-line method: `./bundle_filename -console -savestate filename`

Refer to [“Installation Methods” on page 16](#) for more detailed information.

Example Installation Configuration File

An installation configuration file looks similar to the following:

```
#
# Wizard Statefile created: Tue Aug 10 11:33:59 PDT 2004
#           Wizard path: /var/tmp/sjsasAAA5ZaaaR/appserv.class
#
# Install Wizard Statefile section for J2EE 1.4 SDK
#
[STATE_BEGIN J2EE 1.4 SDK 6684bbcb8d348bf04952a1c7a625e26689a21146]
defaultInstallDirectory = /home/xyz/SUNWappserver
currentInstallDirectory = /opt/tmp
SELECTED_COMPONENTS = Domain Admin Server#Node Agent#PointBase Server 4.8#
USE_BUNDLED_JDK = FALSE
JDK_LOCATION = /usr/j2se
WEBSERVER_INSTALL_DIR =
PLUGIN_TYPE =
INST_ASADMIN_USERNAME = admin
INST_ASADMIN_PASSWORD = nklquxpcopmkjkjarvqzvanzva
INST_MASTER_PASSWORD = npohjtiehancyynoucqvz123
INST_ASADMIN_PORT = 4849
INST_ASWEB_PORT = 8080
INST_HTTPS_PORT = 8181
STORE_ADMIN_AUTH = FALSE
ADMIN_PASSWORD_ENCRYPTED = TRUE
INST_JMS_PORT = 7676
INST_ORB_PORT = 3700
INST_ORB_SSL_PORT = 3820
INST_ORB_MUTUALAUTH_PORT = 3920
INST_JMX_PORT = 8686
INST_POINTBASE_PORT = 9092
INST_DAS_HOSTNAME = localhost
CREATE_SAMPLES_DOMAIN = FALSE
CREATE_DESKTOP_SHORTCUT = FALSE
UPDATE_PATH = FALSE
[STATE_DONE J2EE 1.4 SDK 6684bbcb8d348bf04952a1c7a625e26689a21146]
```


Modifying the Installation Configuration File

You can modify the installation configuration file by editing the variables and values described in [Table 1-3](#).

Table 1-3 Installation Configuration File Variables

Variable Name	Valid Values (if applicable)	Content	Comments
defaultInstallDirectory		Default installation directory path	
currentInstallDirectory		Selected installation directory path	
SELECTED_COMPONENTS		List of product components selected for installation	Modification is not recommended.
USE_BUNDLED_JDK	TRUE FALSE	Whether to install JDK bundled with the product	If this value is set to FALSE, the J2SE path referenced by JDK_LOCATION is used.
PLUGIN_TYPE	Sun ONE Web Server, Microsoft IIS Web Server (Windows only), Apache HTTP Server		
JDK_LOCATION		JDK path	Preinstalled JDK path, relevant only if USE_BUNDLED_J2SE is set to FALSE.
WEBSERVER_INSTALL_DIR		Selected web server instance directory path	Relevant only if the Load Balancer Plug-in component is selected for installation.
INST_ASADMIN_USERNAME		Administrator user name for initial domain	
INST_ASADMIN_PASSWORD		Administrator password for initial Domain Administration Server	This entry is obfuscated by default. See also description of ADMIN_PASSWORD_ENCRYPTED variable.
INST_MASTER_PASSWORD		SSL certificate database password for asadmin operations such as Domain Administration Server startup and Node Agent startup	This entry is obfuscated by default. See also description of ADMIN_PASSWORD_ENCRYPTED variable.

Table 1-3 Installation Configuration File Variables

Variable Name	Valid Values (if applicable)	Content	Comments
INST_ASADMIN_PORT	0 - 65535	Administration server port number for initial Domain Administration Server	
INST_ASWEB_PORT	0 - 65535	Server port number for initial Domain Administration Server instance	
INST_HTTPS_PORT	0 - 65535		
STORE_ADMIN_AUTH	TRUE FALSE		
ADMIN_PASSWORD_ENCRYPTED	TRUE FALSE	Obfuscated admin password flag	<p>In initial statefile created by product installer this flag is set to TRUE, since the admin password value is obfuscated for security reasons.</p> <p>To override the value for admin password, enter values of INST_ASADMIN_PASSWORD and INST_MASTER_PASSWORD in clear text and set this flag to FALSE to enable silent installation to process it correctly.</p>
INST_JMS_PORT	0 - 65535	JMS port number for initial Domain Administration Server	
INST_ORB_PORT	0 - 65535	ORB port number for initial Domain Administration Server	
INST_ORB_SSL_PORT	0 - 65535	Secure ORB port number for initial Domain Administration Server	
INST_ORB_MUTUALAUTH_PORT	0 - 65535	Mutual authentication ORB port number for initial Domain Administration Server	
INST_JMX_PORT	0 - 65535	JMX port number for initial Domain Administration Server	
INST_POINTBASE_PORT	0 - 65535	PointBase server port number	
CREATE_SAMPLES_DOMAIN	TRUE FALSE	Whether to create additional samples server domain.	This value is disregarded because Application Server Enterprise Edition does not support this feature.

Table 1-3 Installation Configuration File Variables

Variable Name	Valid Values (if applicable)	Content	Comments
INST_DAS_HOSTNAME		Name of the Domain Administration Server to be used to administer the server.	
UPDATE_PATH	TRUE FALSE	Whether to update PATH environment variable to include Application Server <i>bin</i> directory.	Valid only for Windows platforms and is disregarded otherwise.
USE_BUNDLED_JDK	TRUE FALSE	Whether to install and use bundled J2SE	If this value is set to FALSE, the J2SE path referenced by JDK_LOCATION is used.

NOTE You cannot reuse the configuration file created for one distribution on other distributions, editions, or versions of the Application Server software.

To view the results of the silent installation, refer to the log file.

Installing in Silent Mode

To install the Sun Java System Application Server software in silent mode:

1. Review configuration file and verify that it contains what you want to use for your silent installation.
2. Copy your installation configuration file to each machine where you plan to install the Sun Java System Application Server software.
3. Copy the Sun Java System Application Server installation files to each machine where you plan to install the Application Server software.
4. Navigate to the directory where you copied the installation files and your installation configuration file.

5. Start silent installation at the command line using the following command format: `./bundle_filename -silent config_file`

The installation program reads the specified *config_file*, checks for adequate disk space, then installs the product based on the data in *config_file*.

When the prompt is returned, the silent installation is complete and the installation components are installed on your systems.

Review the log files located at:

- Install Log files:
 - For Solaris SPARC and x86 root user:
/var/sadm/install/logs/Install_Application_Server_8EE_*timestamp*.log
 - For Solaris SPARC and x86 non-root user:
/var/tmp/Install_Application_Server_8EE_*timestamp*.log
 - For Linux root and non-root user:
/var/tmp/Install_Application_Server_8EE_*timestamp*.log
 - For Windows root and non-root user:
%TEMP%\Install_Application_Server_8EE_*timestamp*.log
- Low-level log files:
 - Solaris (root installation):
/var/sadm/install/logs/Sun_Java_System_Application_Server_Enterprise_Edition_install.*Btimestamp*
 - Solaris (non-root installation):
/var/tmp/Sun_Java_System_Application_Server_Enterprise_Edition_install.*Btimestamp*
 - Linux:
/var/tmp/Sun_Java_System_Application_Server_Enterprise_Edition_install.*Btimestamp*
 - Windows:
%TEMP%\Sun_Java_System_Application_Server_Enterprise_Edition_install.*Btimestamp*

6. You can start the Application Server software by using the instructions in the *Sun Java System Application Server Administration Guide*.

When the Admin Console is started, the initial page of the Application Server graphical interface is displayed.

You are now ready to configure your system for high availability. To begin this process, see the *Sun Java System Application Server High Availability Administration Guide* for information.

Uninstalling Application Server 8.1 Software

All components in the current Application Server installation directory are automatically selected for uninstallation.

-
- | | |
|-------------|---|
| NOTE | <ul style="list-style-type: none">• It is important to use the uninstall routine described here. If you attempt another method, problems arise when you try to reinstall the same version or when you install a new version.• If you do not stop all domains before the uninstallation, orphaned processes might exist on your system after the uninstallation. On UNIX, identify the processes with the <code>ps -ef</code> command and terminate them using the <code>kill</code> command. |
|-------------|---|
-

To uninstall the Application Server software, perform the following steps:

1. Make sure that you have stopped all domains and other related processes, including `deploytool`, command prompts using the installation directory or its subdirectories, and any applications using Java™ 2 Platform, Standard Edition (J2SE™ platform) files bundled with the product.
2. Navigate to your Application Server installation directory.
3. Invoke the uninstall program as follows:
 - On UNIX or Linux, type one of the following commands at the command prompt:
 - To use the uninstall that has a graphical interface:
`./uninstall`

- To use the uninstall that has a command-line interface:

`./uninstall -console`

- On Windows, under the Sun Microsystems, Application Server EE program group in the Start Programs area of your desktop, click Uninstall.
- On Windows, you can also invoke the uninstall program through the Control Panel:
 - I. Navigate to the Control Panel.
 - II. Choose Add/Remove Programs.
 - III. From the list of installed programs, select Sun Java System Application Server Enterprise Edition.
 - IV. Click Remove.

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