

SECTION I: OVERVIEW OF JAVA ENTERPRISE EDITION 5

Installation Of Java Enterprise Edition 5

Downloading Java Enterprise Edition 5 SDK

The Java Enterprise Edition 5 SDK setup can be downloaded from the website http://java.sun.com/javaee/. On keying this address a web page appears as shown in diagram 3.1.1.



Diagram 3.1.1: Site to download Java EE 5 SDK

Click **Downloads**. This leads to a page, which allows downloading Java Enterprise Edition 5 SDK as shown in diagram 3.1.2.



Diagram 3.1.2: The Download section

Click **Download Java EE 5 SDK**. A web page appears as shown in diagram 3.1.3, whereby the **Accept License Agreement** checkbox needs to be ticked, in order to download the product.

& Sun	Sun Downloads	<mark>36</mark>	arch 🕟
Download			
	Java EE SDK 5.0 FCS		
	NOTE: The list offers files for different platforms - please be sure to to select the ones you want, then click the link(s) to download. If you anythms, sign in, then click the "Download/order History" link on the For any download problems or questions, please see the Downlo How long will the download take? (9	o select the proper file(s) for your platform. Carefully review th d ont complete your download, you may return to the Downl left to continue, ad Center FAQ.	e files listed below bad Center
	Required: You must accept the license agreement to download th C Accept License Agreement C Decline License Agreement Immediationse License Agreement	e product.	
		java_ee_sdk-5-linux.bin	132.73 MB
		java_ee_sdk-5-solaris-sparc.bin	148.97 MB
	Solarie v86 Diatform Java FE SDK 5.0 FCS		
		java_ee_sdk-5-solaris-i586.bin	134.14 MB
	Windows Platform - Java EE SDK 5.0 FCS		
	🛓 Java EE 5 SDK First Customer Ship for Windows	java_ee_sdk-5-windows.exe	123.14 MB

Diagram 3.1.3: Accepting License Agreement

This page contains a list of files for different platforms.

Sun.	Sun Downloads	jse	arch
Download			
	Java EE SDK 5.0 FCS		
	NOTE: The list offers files for different platforms - please be sure to st to select the ones you want, then click the link(s) to download. If you do anytime, sign in, then click the "Download/Order History" link on the let For any download problems or questions, please see the Download is How long will the download take? 19	Hect the proper file(6) for your platform. Carefully review that ant complete your download, you may return to the Downlin the continue. Center FAQ.	e files listed below oad Center
	Linux Platform - Java EE SDK 5.0 FCS		
		java_ee_sdk-5-linux.bin	132.73 MB
	Solaris SPARC Platform - Java EE SDK 5.0 FCS		
		java_ee_sdk-5-solaris-sparc.bin	148.97 MB
	Solaris x86 Platform - Java EE SDK 5.0 FCS		
		java_ee_sdk-5-solaris-i586.bin	134.14 MB
	Windows Platform - Java EE SDK 5.0 FCS		
		java_ee_sdk-5-windows.exe	123.14 MB

Diagram 3.1.4: Selecting the link to download on windows

Review the list and select an appropriate link to begin the download.

Installing Java Enterprise Edition 5 SDK

After the software is downloaded and the system meets the requirement essential to accommodate the downloaded software, use the following procedure to install the product.

Installing Java Enterprise Edition 5 On Linux

Move to the directory where the downloaded file is available. To run the installation program that uses a graphical interface, the following command is typed at the command prompt:

<System Prompt> ./ java_ee_sdk-5-linux.bin



Diagram 3.2.0: Executing the downloaded file

A Welcome screen appears as shown in diagram 3.2.1.



Diagram 3.2.1: The Welcome window

Click . The Software License Agreement window appears as shown in diagram 3.2.2.



Diagram 3.2.2: Software License Agreement

Select **Yes**, indicating the agreement's terms and conditions of the license are agreed upon. Click Next A window as shown in diagram 3.2.3 appears, which selects the default directory wherein the installation files and directories will be stored.

	Installation Directory.	
	/opt/SUNWappserver	Browse
Sun Java'''		
Application		
Server		
ava EE 5 SDK		
♦ <u>Sun</u>		
- Annalyticae		

Diagram 3.2.3: Selecting Installation Directory

Click This prompts the user whether to create a directory or to choose a new location as shown in diagram 3.2.4. Select Create Directory to save the Application Server in the default path /opt/SUNWAppServer.



Diagram 3.2.4: Creating directory

An Admin Configuration window appears as shown in diagram 3.2.5.

admin		
Sec. 3: 0000000000		
als.).		

Admin User Name and Password		
user's home directory and will not have to be provided when performing admin functions.		
OPrompt for Admin User Name and Password		
re and password must be provided when performing		

Diagram 3.2.5: Admin Configuration

In the Admin Configuration interface enter the following data:

- Admin User Name: The name of the user who administers the server
- Password: The admin user's password to access the Admin Server and whose length is 8character minimum
- Prompt or Don't Prompt for Administrator User Name: The user name can be stored in a preferences file so that there is no need to provide it to perform administrative tasks
- □ Admin Port: The administration port number for initial server instance
- □ HTTP Port: The port number to access the default server instance
- □ HTTPS Port: The secure port number to access the initial server instance

Click LINEX The Installation Options window appears as shown in diagram 3.2.6.



Diagram 3.2.6: Installation Options

Select **Upgrade from Previous Version** in case a previous version of Java is already installed. If this option is selected, then the upgrade wizard begins only after completing the installation.

REMINDER

Upgrades from 8.0 Platform Edition, 8.1 Platform Edition and 8.2 Platform Edition are supported.

Click A window, which performs disk space checking appears as shown in diagram 3.2.7.



Diagram 3.2.7: Checking disk space

Once the checking for the disk space is complete, a **Ready to install** window appears as shown in diagram 3.2.8. Click Install Now .

	The following items for the product Java Platform, Enterprise Edition 5 SDK
Sun Java™ System Application Server Java EE 5 SDK	will be installed: Product: Java Platform, Enterprise Edition 5 SDK. Location: /opt/SUNWappserver Space Required: 264.47 MB
& <u>Sun</u> .	

Diagram 3.2.8: Ready to Install

A window appears, which displays the installation progress bar as shown in diagram 3.2.9.

💙 Java EE 5 SDK Instal	ation Wizard	_ O X
	Installing	
Sun Java" System Application Server Java EE 5 SDK	Sun Java- System Application Server Designed for Developer Productivity • Fast startup and low memory footprint • Support for NetBeans and Eclipse • Java Web Start support	الله Java
<i>♦Sun</i> .	Installing Java 2 SDK, Standard Edition 5.0	
	Stop	Help

Diagram 3.2.9: Installation progress bar

Now the Java Enterprise Edition 5 is installed and ready for use on Linux.

Installing Java Enterprise Edition 5 On Windows

Navigate to the directory where the downloaded **java_ee_sdk-5-windows.exe** setup file is available.

To start the installation program double-click the java_ee_sdk-5-windows.exe file.

A Welcome window appears as shown in diagram 3.3.1.



Diagram 3.3.1: The Welcome window

Click Next . The Software License Agreement window appears as shown in diagram 3.3.2.



Diagram 3.3.2: Software License agreement

Select **Yes** indicating the agreement's terms and conditions of the license are agreed upon. Click Next A window appears as shown in diagram 3.3.3, which selects the default directory, wherein the installation files and directories will be stored.

🥵 Java EE 5 SDK Insta	llation Wizard	
	Select Installation Directory	
	Installation Directory:	
Sun Java" System Application Server Java EE 5 SDK	C:\Sun\AppServer Browse	
♦ <u>Sun</u>		
	Sack Next S Cancel	Help

Diagram 3.3.3: Selecting Installation Directory

Click A prompt is made whether to create directory or to choose a new location as shown in diagram 3.3.4. Select create Directory to save the Application Server in the default path c:\Sun\AppServer



Diagram 3.3.4: Creating directory

An Admin Configuration window appears as shown in diagram 3.3.5.



Diagram 3.3.5: Admin Configuration

In the Admin Configuration interface enter the following data:

- Admin User Name: The name of the user who administers the server
- Password: The admin user's password to access the Admin Server and whose length is 8character minimum
- Prompt or Don't Prompt for Administrator User Name: The user name can be stored in a preferences file so that there is no need to provide it to perform administrative tasks
- **D** Admin Port: The administration port number for initial server instance
- □ HTTP Port: The port number to access the default server instance
- □ HTTPS Port: The secure port number to access the initial server instance

A Java EE 5 SDK Instal	ation Wizard
	Please choose from the set of installation options below.
Sun Java"	🔽 Register Application Server
System	A registration form is displayed after installation.
Application	🗖 Upgrade from Previous Version
Server	The configuration settings from a previous application server installation can be transferred to this installation.
Java EE 5 SDK	Create Desktop Shortcut to Autodeploy Directory
	Items can be dragged into this directory for automatic deployment to the server.
	Add bin directory to PATH
A Sama	Adding this directory simplifies running the server and tools from the command line.
SULL, nicrospilerts	🗂 Create Windows service
	Windows services associated with Application Server are created.
	Back Next Cancel Help

Diagram 3.3.6: Installation Options

Click **INEX**. The **Installation Options** window appears as shown in diagram 3.3.6.

Select **Add bin directory to PATH** to run the server and tools from the command line.

Select **Upgrade from Previous Version** in case the previous version of Java is already installed in the desktop. The upgrade wizard begins only after completing the installation. Upgrades from 8.0 Platform Edition, 8.1 Platform Edition and 8.2 Platform Edition are supported.

Click . A window, which performs a disk space check is displayed as shown in diagram 3.3.7.



Diagram 3.3.7: Checking disk space

Diagram 3.3.8: Ready to Install

Once the checking of disk space is complete a **Ready to install** window appears as shown in diagram 3.3.8. Click Install Now .

A window displaying the installation progress bar appears as shown in diagram 3.3.9.



Diagram 3.3.9: Installation progress bar

Once the installation completes, if the corresponding option is not selected on the **Installation Options** window, set the PATH environment variable to include the Application Server install-dir/bin directory.

On completion of installation a window as shown in diagram 3.3.10 appears.

🥵 Java EE 5 SDK Install	ation Wizard
	Installation Complete
	Installation Successful.
Sun Java" System	Next Steps: Access the following items under the Sun Microsystems -> Application Server PE 9 program group in the Start Programs area of your desktop:
Server Java EE 5 SDK	> About Application Server PE 9 A hands-on tour of the application server environment. Obt D Server Server
	- Start Default Server > Admin Console Use this tool to configure the application server.
	Click Finish to exit the installation program. Start Server
Sun.	
	Finish

Diagram 3.3.10: Installation Complete window

Click **Finish** to exit from this installation process. This displays two web pages as shown in diagrams 3.3.11 and 3.3.12.



Diagram 3.3.11: Installation Complete window

The web page displayed in diagram 3.3.11 informs the user that the installation is completed and provides different hyperlinks to get familiar with Java EE 5 SDK.



Diagram 3.3.12: Registering the product

The web page displayed in diagram 3.3.12 allows the user to register the product. It is necessary for the user to register the product, which has been installed in order to facilitate automatic product updates or to access additional valuable services.

Uninstalling Java Enterprise Edition 5

To begin with the uninstallation process it is important that all running processes are stopped and any domains related to them are disabled.

This step is recommended before the uninstallation to avoid running processes from interfering with the uninstallation. This is a problem, especially prevalent in the Windows O/s because the uninstallation program is unable to remove files that are in use.

Uninstalling Java Enterprise Edition 5 on Linux

To uninstall Application Server navigate to the directory where Application Server is installed.

To invoke the uninstall program that has a graphical interface, at the command prompt type the following command as shown in diagram 3.4.1.



Diagram 3.4.1: Executing the Uninstall command

An Uninstallation Welcome window appears as shown in diagram 3.4.2.



Diagram 3.4.2: The Welcome window

Click Next »



Diagram 3.4.3: The Ready to Uninstall window

The

Java EE 5 SDR Unins	unation wizard	
Sun Java" System Application Server Java EE 5 SDK	Sun Java- System Application Server Designed for Developer Productivity • Fast startup and low memory footprint • Support for NetBeans and Eclipse • Java Web Start support	java
♦ <u>Sun</u> .	Uninstalling Java Platform, Enterprise Edition 5 SDK	
	0%	Hein

Diagram 3.4.4: Uninstallation Progress bar

The Uninstalling window shows the status of the uninstallation process and on completion displays the **Uninstallation Summary** window as shown in diagram 3.4.5.

	Uninstallation Summary		
	The Java Platform, Enterprise Edition 5 SDK unir below:	nstallation status is	shown
Sun Java'''	Product	Status	Informati
System Application Server Java EE 5 SDK	Java Platform, Enterprise Edition 5 SDK	Done	Details
♦ <u>Sun</u>			
	Click on the "Details" Button beside product st	atus for more info	rmation.
		Close	1

Diagram 3.4.5: Uninstallation Summary window

Click **Close** to exit from the uninstallation process.

The above steps will remove the Application Server components. There are possibilities that some files and directories might not be removed even after running the uninstallation program. Determine the files and directories that are left out especially in the drive where the executable files were saved and safely remove them.

Uninstalling Java Enterprise Edition 5 On Windows

To uninstall Java Enterprise Edition 5, select **Programs** \rightarrow **Sun Microsystems** \rightarrow **Application Server PE 9** \rightarrow **Uninstall** as shown in diagram 3.5.1.



Diagram 3.5.1: Selecting the Uninstallation program

	Welcome
Sun Java" System Application Server Java EE 5 SDK	Welcome to the Java Platform, Enterprise Edition 5 SDK Uninstallation Wizard We strongly recommend that you exit all programs before running this program. You should also stop all application server domains pertaining to this installation before proceeding. If you have other programs running, press Cancel to end this program and then close any other programs you have running. Otherwise, press Next to continue.
♦ <u>Sun</u>	
	Back Next Cancel Help

Diagram 3.5.2: The Welcome window

An Uninstallation Welcome window appears as shown in diagram 3.5.2. Click



Diagram 3.5.3: The Ready to Uninstall window

A **Ready to Uninstall** window appears as shown in diagram 3.5.3. Click Uninstall Now . The Uninstalling window appears as shown in diagram 3.5.4.

🔏 Java EE 5 SDK Unins	stallation Wizard	<u>×</u>
Sun Java" System Application Server Java EE 5 SDK	Winistalling Sun Java- System Application Server Designed for Developer Productivity • Fast startup and low memory footprint • Support for NetBeans and Eclipse • Java Web Start support	ener Rine
♦ <u>Sun</u> .	Uninstalling Java Platform, Enterprise Edition 5 SDK 0%	-
		Help

Diagram 3.5.4: Uninstallation Progress bar

The Uninstalling window shows the status of the uninstallation process and on completion displays the **Uninstallation Summary** window as shown in diagram 3.5.5.

🧏 Java EE 5 SDK Unins	tallation Wizard		
	Uninstallation Summary The Java Platform, Enterprise Edition 5 SDK unins	stallation status is s	hown below:
	Product	Status	Information
Sun Java" System Application Server Java EE 5 SDK	Java Platform, Enterprise Edition 5 SDK	Done	Details
<u>♦Sun</u> .	4		• •
	Click on the "Details" Button beside product stat	us for more informa	tion.
		Close	

Diagram 3.5.5: Uninstallation Summary window

Click **Close** to exit from the uninstallation process.

The above steps will remove the Application Server components. There are possibilities that some files and directories might not be removed even after running the uninstallation program. Determine the files and directories that are left out, especially the drive where the executable files were saved and safely delete them.