**Installing WebSphere Application Server Version 8 or later**

Install WebSphere® Application Server 8 or later by using Installation Manager. At the end of this task, you are ready to configure WebSphere Application Server to communicate with WebSphere MQ.

**Before you begin**

* Follow the instructions in [Preparing your Linux system for installation](http://www.ibm.com/support/knowledgecenter/en/prodconn_1.0.0/com.ibm.scenarios.wmqwas101withlinux.doc/topics/ins_was_prep.htm?view=kc) to prepare for installing WebSphere Application Server on a Linux operating system.
* Make sure that you either have available the installation disk that is labeled "WebSphere Application Server Network Deployment", or know where to access the root directory of the downloaded Passport Advantage® image on your hard disk.
* Set your rollback preference in the installation manager by following the instructions on the [Rollback preference](http://publib.boulder.ibm.com/infocenter/install/v1r4/index.jsp) page.
* Make sure that you have X Window System installed on your Linux operating system.

**About this task**

Install WebSphere Application Server by using Installation Manager.

**Procedure**

1. If you haven't installed IBM Installation Manager before, install it.
   1. Log in as root user.
   2. Extract the Installation Manager archive file.
   3. In a terminal, navigate to Installation Manager archive directory enter ./installc -c. The following message is displayed:
   4. Preprocessing the input.
   5. Loading repositories...
   6. Preparing and resolving the selected packages...
   7. =====> IBM Installation Manager> Install
   8. Select packages to install:
   9. 1. [X] IBM® Installation Manager 1.5.2
   10. O. Check for Other Versions, Fixes, and Extensions
   11. N. Next, C. Cancel

-----> [N]

* 1. Enter N then A to accept the license agreement.
  2. Enter N until the installation summary like following is displayed:
  3. =====> IBM Installation Manager> Install> Licenses> Location> Summary
  4. Target Location:
  5. Package Group Name : IBM Installation Manager
  6. Installation Directory : /opt/IBM/InstallationManager/eclipse
  7. Packages to be installed:
  8. IBM® Installation Manager 1.5.2
  9. Options:
  10. G. Generate an Installation Response File
  11. B. Back, I. Install, C. Cancel

-----> [I]

Press Enter. The installation process begins. When the installation is complete, the following message is displayed:

=====> IBM Installation Manager> Install> Licenses> Location> Summary>

Completion

The install completed successfully.

Options:

R. Restart Installation Manager

-----> [R]

* 1. Press Enter, and then enter X to exit the Installation Manager.

1. Navigate to the /opt/IBM/InstallationManager/eclipse subdirectory in the directory where you installed IBM Installation Manager.
2. Enter ./IBMIM and press Enter. The IBM Installation Manager window is displayed.
3. Click **Install**.
4. If a message is displayed that states Installation Manager cannot find any packages to install, add WebSphere Application Server to the repository:
   1. Click the **Repositories** link in the **Repository connections** field. The Preferences window is displayed.
   2. Click **Add Repository** in the upper right of the Preferences window. The Add Repository window is displayed.
   3. Click **Browse**, then find the repository.config file for WebSphere Application Server, and then click **OK**
   4. Click **OK**.
   5. Click **Test Connections** on the right of the Preferences window. If a message is displayed that states All the selected repositories are connected, WebSphere Application Server is added to the repository.
   6. Click **OK** to close the Test Connection window, then click **OK** again to confirm adding the repository.
5. Select the version number of WebSphere Application Server, for example **Version 8.0.0.0**, and then click **Next**.
6. Click **I accept the terms in the license agreement**, and then click **Next**.
7. Click **Next**, then click **Next** again.
8. In the Features window, select the languages that you want and click **Next**.
9. Select the components that you want and click **Next**.
10. Click **Install**. A progress bar is displayed, which shows that the installation is in progress.
11. When the installation is complete, a window is displayed, which indicates that the packages are installed. Click **Profile Management Tool to create a profile**, and then click **Finish**. WebSphere Application Server is successfully installed and "WebSphere Customization Toolbox" is displayed.

If "WebSphere Customization Toolbox" window is not displayed, open a terminal and navigate to /opt/IBM/WebSphere/AppServer1/bin/ProfileManagement, and then enter ./pmt.sh to start it.

1. Create an application server profile
   1. In the "WebSphere Customization Toolbox" window, click **Profile Management Tool** among the three buttons on the top.
   2. In the Profile Management Tool, click **Create**.
   3. In Environment Selection window, expand **WebSphere Application Server**, and click **Application server**, and then click **Next**.
   4. In Profile Creation Options window, leave the option as **Typical profile creation**, and then click **Next**.
   5. Choose whether to enable administrative security and click **Next**. If you choose to enable it, every time you use the Administrative Console, you must prove your identity.
   6. Confirm your settings and click **Create**.
   7. When the profile creation is complete, the Profile Creation Complete window is displayed. Clear **Launch the First steps console** and click **Finish**. An application server profile is successfully created.