WebSphere® WebSphere Extended Deployment V6.0.x

IBM

Planning and Installing Guide

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Contents

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Installing and configuring WebSphere Extended Deployment

Use this article to review a description of a WebSphere Extended Deployment installation that supports a basic configuration.

Establishing application serving capability in new and existing environments by installing WebSphere Extended Deployment requires you to first plan and prepare your environment. The topic provides a brief overview on planning, preparing for, completing, and maintaining product installations, including configuring the product after installation.

1. Prepare the WebSphere Application Server Network Deployment environment to support WebSphere Extended Deployment.
2. Choose one of the three following steps for installing WebSphere Extended Deployment:
   - Install WebSphere Extended Deployment by using the graphical user interface (GUI).
   - Install WebSphere Extended Deployment silently.
   - Install WebSphere Extended Deployment in a mixed environment.
3. Create a profile for WebSphere Extended Deployment.

WebSphere Extended Deployment is installed.

As a next step, you can create and augment a profile by using the WebSphere Extended Deployment Profile wizard.

Planning the installation

Planning is the process of defining what you want to accomplish with your product and how to meet your business goals. For best results, plan for the installation of WebSphere Extended Deployment. This topic provides basic instructions on various considerations and how to get started with the installation process.

Use this topic to understand the capabilities of WebSphere Extended Deployment. Knowing what you can do with the product can influence how you install the product and other components.

1. Understand the supported environment for WebSphere Extended Deployment. Verify that your environment is capable of supporting WebSphere Extended Deployment. Familiarize yourself with the minimum hardware and software requirements that you need. If your environment does not meet the requirements, create a plan to meet the minimum requirements necessary to support an installation.

   For more information on the hardware and software requirements, see WebSphere Extended Deployment system requirements.
2. Establish your WebSphere Extended Deployment topology.
   a. Establish a simple WebSphere Extended Deployment topology in a test environment.
   b. Examine the product in a smaller configuration to familiarize yourself with the available features.

3. Carefully plan your application server nomenclature. Use a systematic approach for naming to simplify the administration of the environment.

Your hardware and software requirements are fulfilled, and your environment is now capable of supporting a WebSphere Extended Deployment installation.

You can now install WebSphere Extended Deployment.

Topology design

Install WebSphere Extended Deployment first as a simple topology configuration to familiarize yourself with its features in a safe environment. When you are familiar with the advanced features of WebSphere Extended Deployment, you can design advanced topologies that are specific to your application server environment.

The following graphic represents a supported topology of WebSphere Extended Deployment. In this topology, the on demand router (ODR) is between the HTTP server tier and the application server tier. The ODR, with the assistance of the autonomic managers, categorizes and prioritizes the work before routing it to the appropriate nodes. The nodes that are marked with the round dot represent a potential WebSphere Extended Deployment node. The deployment manager is the centralized management communication vehicle, as indicated by the dotted lines.

Install the deployment manager on a separate machine than the application server nodes to prevent unmanaged work from occurring on the nodes. Deactivating the deployment manager also deactivates preferred coordinators and, thus, reduces high availability. For more information, see Configuring core group preferred coordinators. The solid lines represent the request processing links.
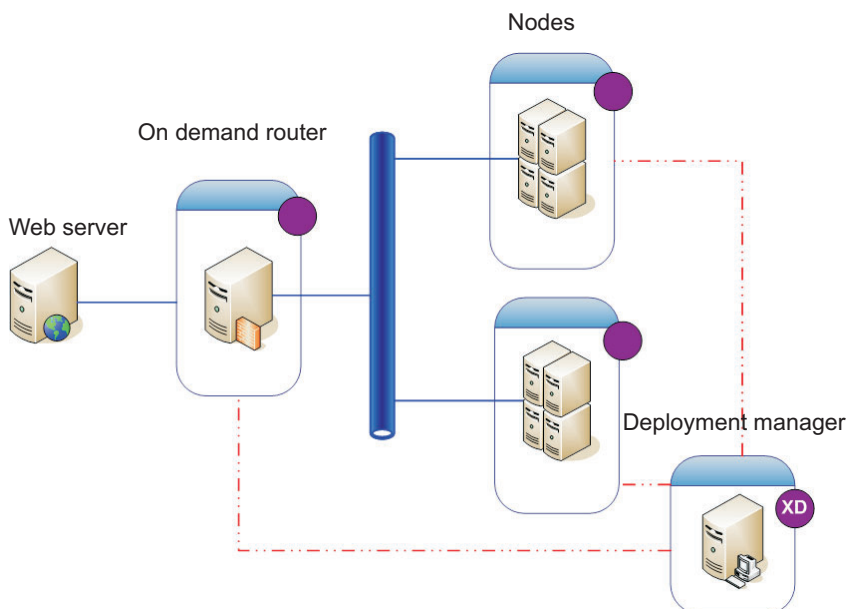

Figure 1. A simple WebSphere Extended Deployment supported configuration

When you are familiar with the product in a simple topology, you can add layers of complexity to your test environment. Additionally, you can stress test to see the Extended Deployment features in action. Typically, when the workload increases,

you must ensure that you have enough resources to manage the workload and that the resources configure and work well together.

The following topology displays a more advanced configuration that can support additional workload. You can include another Internet Protocol (IP) sprayer in this configuration to eliminate any single point of failure, and make this topology highly available. An IP sprayer distributes requests from one IP address to multiple IP addresses.
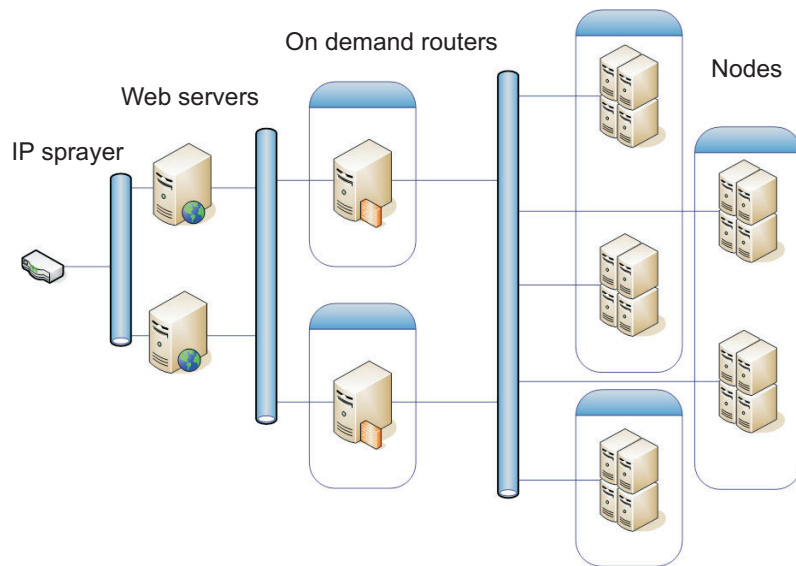
Figure 2. An advanced WebSphere Extended Deployment supported topology

Setting up a secure test environment is also important when acclimating yourself and your environment to WebSphere Extended Deployment. Figure 3 presents a secure environment using a slight variation of Figure 1. This example includes a secure firewall that is not presented in the first topology configuration.

Figure 3. A secure WebSphere Extended Deployment topology configuration

The following example presents an environment with a scale-out topology configuration. Two deployment managers are set up when you configure a scale-out topology. If one deployment manager fails, the other deployment manager automatically takes over.

Figure 4. Scale-out topology

Preparing WebSphere Application Server Network Deployment to install WebSphere Extended Deployment

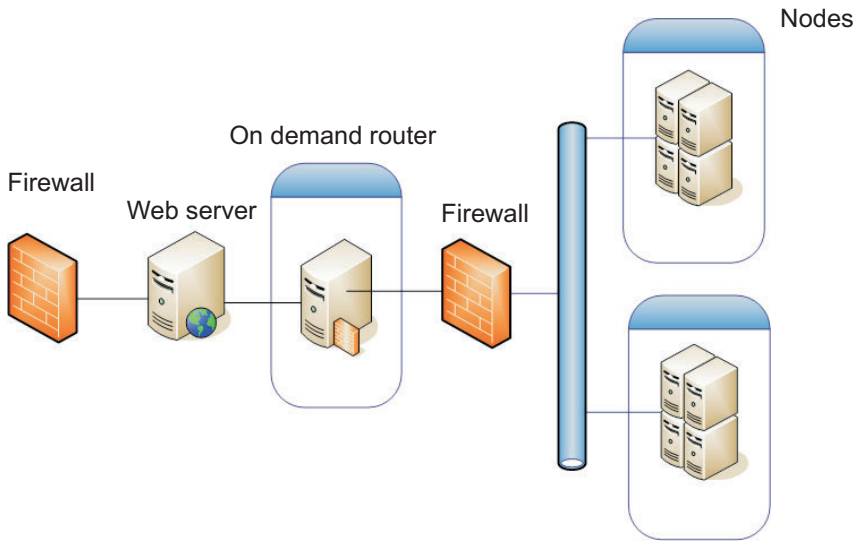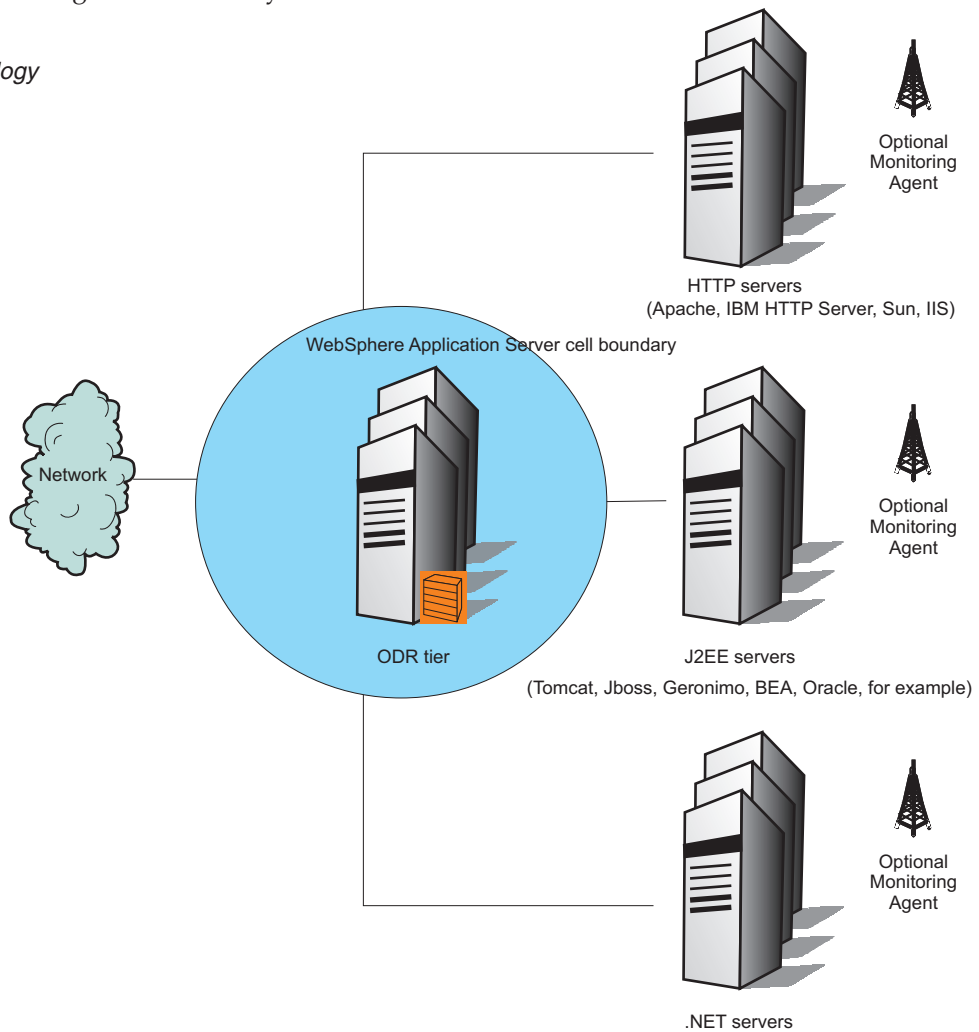WebSphere Application Server Network Deployment is an essential prerequisite for a WebSphere Extended Deployment installation. Before you begin the installation process for WebSphere Extended Deployment, you must prepare your Network Deployment environment. This topic describes the steps necessary to prepare your environment to support a WebSphere Extended Deployment installation.

Before preparing the installation environment,

1. Understand the supported environment for WebSphere Extended Deployment.
2. Establish your WebSphere Extended Deployment topology.
3. Carefully plan your application server nomenclature.

For more information, see Planning the installation.

A basic topology consists of a single deployment manager, a single on demand router (ODR), and two application servers. Use three workstations (A, B, and C) for this basic topology. Set up the deployment manager and nodes with one workstation by combining the requirements of workstations A and B below if it is a powerful workstation. Otherwise, set up workstations A and B separately for optimal performance. Set up the deployment manager, workstation A, first.

1. For WebSphere Extended Deployment 6.0.1:
   a. Set up workstation A: The deployment manager.
      1) Install WebSphere Application Server Network Deployment Version 6.0. If your platform is 64-bit, install WebSphere Application Server Network Deployment Version 6.0.1.
      2) Install WebSphere Application Server Version 6.0 Refresh Pack 2 to bring your Network Deployment product level to Version 6.0.2. See directions for installing the refresh pack in the WebSphere Application Server Information Center or in the readme files of the cumulative fix.

         Install the following fix packs:

         - **Distributed Platforms** WebSphere Application Server Network Deployment 6.0.2 Fix Pack 5.

         - **z/OS** WebSphere Application Server Network Deployment 6.0.2 Fix Pack 6.
      3) Create a deployment manager profile using the Profile Creation tool.
      4) Stop the deployment manager. See **stopManager** command for more information.
      5) Install WebSphere Extended Deployment and augment the deployment manager profile you created in step iii. This step must be complete before step v. in workstations B and C.
      6) Start the deployment manager. See the description of the **startManager** command for more information.
   b. Set up workstation B: The managed nodes.
      1) Install WebSphere Application Server Network Deployment Version 6.0.
      2) Install WebSphere Application Server Version 6.0 Refresh Pack 2.

         Install the following fix packs:

- **Distributed Platforms** WebSphere Application Server Network Deployment 6.0.2 Fix Pack 5.

- **z/OS** WebSphere Application Server Network Deployment 6.0.2 Fix Pack 6.

3) Use the Profile Creation tool to create two custom profiles and federate the node within each custom profile into the deployment manager cell.

4) Verify that each node stopped. See the description of the **stopNode** command for more information.

5) Install WebSphere Extended Deployment and augment the profiles that you just created.

c. Set up workstation C: The On Demand Router (ODR).

1) Install WebSphere Application Server Network Deployment Version 6.0.

2) Install WebSphere Application Server Version 6.0 Refresh Pack 2.

6.0.1+ Install the following fix packs:

- **Distributed Platforms** WebSphere Application Server Network Deployment 6.0.2 Fix Pack 5.

- **z/OS** WebSphere Application Server Network Deployment 6.0.2 Fix Pack 6.

3) Use the Profile Creation tool to create a custom profile and federate the node within the custom profile into the deployment manager cell.

4) Verify that the node stopped.

5) Install WebSphere Extended Deployment and augment the profiles that you just created.

2. For WebSphere Extended Deployment 6.0.2 on WebSphere Application Server 6.0.2:

a. Set up workstation A: The deployment manager.

1) Install WebSphere Application Server Network Deployment Version 6.0.2.

2) Install WebSphere Application Server Version 6.0.2.9 Fix Pack to update your Network Deployment product level. See the directions for installing the fix pack in the WebSphere Application Server Information Center or in the readme files of the cumulative fix.

3) Create a deployment manager profile using the Profile Creation tool.

4) Stop the deployment manager. See the description of the **stopManager** command for more information.

5) Install WebSphere Extended Deployment and augment the deployment manager profile that you created in step iii. You must complete this step before step v. in workstations B and C.

6) Start the deployment manager. See the description of the **startManager** command for more information.

b. Set up workstation B: The managed nodes.

1) Install WebSphere Application Server Network Deployment Version 6.0.2

2) Install WebSphere Application Server Version 6.0.2.9 Fix Pack.

3) Use the Profile Creation tool to create two custom profiles and federate the node within each custom profile into the deployment manager cell.

4) Verify that each node stopped. See the description of the **stopNode** command for more information.

5) Install WebSphere Extended Deployment and augment the profiles that you just created.

c. Set up workstation C: The On Demand Router (ODR).

1) Install WebSphere Application Server Network Deployment Version 6.0.2

2) Install WebSphere Application Server Version 6.0.2.9 Fix Pack.

3) Use the Profile Management tool to create a custom profile and federate the node within the custom profile into the deployment manager cell.

4) Verify that the node stopped.

5) Install WebSphere Extended Deployment and augment the profile that you just created.

3. For WebSphere Extended Deployment 6.0.2 on WebSphere Application Server 6.1:

a. Set up workstation A: The deployment manager.

1) Install WebSphere Application Server Network Deployment Version 6.1.

2) Install WebSphere Application Server Version 6.1.0.1 Fix Pack to update your Network Deployment product level. See the directions for installing the fix pack in the WebSphere Application Server Information Center or in the readme files of the cumulative fix.

3) Create a deployment manager profile using the Profile Management tool.

4) Stop the deployment manager. See the description of the **stopManager** command for more information.

5) Install WebSphere Extended Deployment and augment the deployment manager profile that you created in step iii. You must complete this step before step v. in workstations B and C.

6) Start the deployment manager. See the description of the **startManager** command for more information.

b. Set up workstation B: The managed nodes.

1) Install WebSphere Application Server Network Deployment Version 6.1.

2) Install WebSphere Application Server Version 6.1.0.1 Fix Pack.

3) Use the Profile Management tool to create two custom profiles and federate the node within each custom profile into the deployment manager cell.

4) Verify that each node stopped. See the description of the **stopNode** command for more information.

5) Install WebSphere Extended Deployment and augment the profiles that you just created.

c. Set up workstation C: The On Demand Router (ODR).

1) Install WebSphere Application Server Network Deployment Version 6.1.

2) Install WebSphere Application Server Version 6.1.0.1 Fix Pack.

3) Use the Profile Management tool to create a custom profile and federate the node within the custom profile into the deployment manager cell.

4) Verify that the node stopped.

5) Install WebSphere Extended Deployment and augment the profile that you just created.

For more information, see Recommended updates for WebSphere Application Server Base and Network Deployment editions.

Your environment is now prepared to support the installation of WebSphere Extended Deployment.

You can now install WebSphere Extended Deployment.

> **Related information**
>
> Recommended updates for WebSphere Application Server Base and Network Deployment editions

Installing WebSphere Extended Deployment

After the WebSphere Application Server Network Deployment environment is prepared, you can install WebSphere Extended Deployment. This topic describes the steps necessary to install WebSphere Extended Deployment using the graphical user interface (GUI).

Before you install WebSphere Extended Deployment, read the readme file, which is located in the CD root directory. Exit the WebSphere Application Server Network Deployment directory. Installation errors can occur if you inadvertently leave a command line or browser instance open in the *profile_root*/`installedApps` directory.

Also, complete the steps that are outlined in Preparing WebSphere Application Server Network Deployment to install WebSphere Extended Deployment.

Perform the following procedure to install a running version of the product components on your workstation. If you are planning to migrate from an earlier version, you can install WebSphere Extended Deployment before migrating.

1. Insert the installation CD into the CD-ROM.
2. Stop all WebSphere Application Server and WebSphere Extended Deployment processes that are running on the workstation that you are preparing for installation. Use the following commands:
   - Deployment manager: `./stopManager`
   - Nodes: `./stopNode`

   Verify that all the processes are stopped by verifying the running Java processes. The graphical user interface (GUI) provides a message of completion.
3. Run the following command to start the installation:
   - **Windows** `install.bat`
   - **Linux** **AIX** **HP-UX** **Solaris** `./install`
4. Select the type of installation that you want to perform. Select **WebSphere Extended Deployment** and click **Next**.
5. Review the Welcome panel and click **Next** again.
6. Read and accept the license agreement. Click **Next**. After the license is accepted, the prerequisite checking automatically begins. If your system does not have the prerequisites, a window displays the missing prerequisites. You can proceed with prerequisite errors, but the installation might fail.
7. Specify the installation location.
   - From the list, select the WebSphere Application Server installation that you are extending.

- If you use another installation path, and it does not display in the table, type the WebSphere Application Server installation directory path in the Installation Location field.

  Click **Next**. A window displays a summary of your installation foundation.

8. Select the existing profiles for your installation to augment and click **Next**. You can also augment a profile later by using the WebSphere Extended Deployment Profile wizard or the **wasprofile** command. Augment the deployment manager and custom profiles to work for Extended Deployment.

9. Accept or change the resulting summary by clicking **Next** or **Back**. Click **Next** to start the installation process.

10. Review the resulting logs for errors or an installation failure. Click **Finish** to complete this part of the installation.

11. Repeat this process for each node in the cell.

6.0.1+ After a successful installation, you can select **Launch the First Steps Console** to go directly to the Profile Creation and Migration wizards.

Additional files and directories now display in your WebSphere Application Server Network Deployment installation path. For example, additional Java archive (JAR) files that begin with XD display in your *install_root*/lib/directory. Several new options and other differences display in the administrative console.

After you install WebSphere Extended Deployment, create a new profile or augment an existing profile by using the WebSphere Extended Deployment Profile wizard. You can omit this task if you already augmented the profile through the Installation wizard.

Installing WebSphere Extended Deployment silently

You can install WebSphere Extended Deployment silently by using either a fully-qualified response file, which you configure specifically to your needs, or parameters that pass to the command line. With a silent installation, you can bypass the Installation wizard, which is useful in some environments.

To perform a silent installation, you must have the appropriate authority. On a Linux or UNIX operating system, you must be authorized as the root user. On a Windows operating system, your user ID must belong to the Administrator group and have the following advanced user rights:

- Act as part of the operating system
- Log on as a service.

If you create a new user ID on a Windows operating system, restart the system before attempting a silent installation.

A silent installation uses the same installation program that the graphical user interface (GUI) version uses. However, instead of displaying a wizard interface, the silent installation reads all of your responses from a file that you customize or from parameters that you pass to the command line.

The silent and command-line installations accept a series of parameters. See Installation arguments for additional parameter information.

1. Determine whether you want to use the command line to pass your parameters or the customized options response file.

2. **Optional:** If you are using a response file for your installation, customize the options response file for your silent installation.

   a. Copy the WebSphere Extended Deployment options response file, `xdsetup.response`, from the product CD. The response file is on the root of the CD. Consider renaming the options file to something like `myoptionsfile`.

   b. Customize and save the response file. Open the response file in any text editor. The file includes comments to assist the configuration process and must include these three parameters:

     • The license agreement

     • The location of the WebSphere Extended Deployment installation

     • The Profile list for augmentation.

     Tip: The location that you select for your installation is how the installation program determines where your previous WebSphere Application Server instance is located. If you install on a node with multiple WebSphere Application Server instances, ensure that your location is well defined.

   c. Issue the command to launch your custom response file. Substitute the name and correct path of your response file if you renamed the file:

     • **Windows**

      `install.bat -options ` *`drive:path`*`/xdsetup.response -silent`

      The log file name is `WAS.XD.install.log`.

     • **Linux** **AIX** **HP-UX** **Solaris**

      `./install -options ` *`/absolute_path`*`/xdsetup.response -silent`

      The log file name is `WAS.XD.install.log`.

3. **Optional:** If you are using the command line to install, launch the installation from the command line and pass the appropriate parameters. Issue the following command to start the silent installation:

   • **Windows**

    `install.bat -silent -P installLocation="`*`Installation_location`*`" -W silentInstallLicenseAcceptance.value="true"`

    where *`Installation_location`* is an existing WebSphere Application Server installation location. You can use the following optional parameters to specify particular profiles to augment:

    `-W profileaugmentinputInstallWizardBean.profileNameList= "`*`profiles_separated_by_commas`*`"`

   • **Linux** **AIX** **HP-UX** **Solaris**

    `/install -silent -P silentInstallLicenseAcceptance.value="true" installLocation="`*`Installation_location`*`" -W`

    where *`Installation_location`* is an existing WebSphere Application Server installation location. You can use the following optional parameters to specify particular profiles to augment:

    `-W profileaugmentinputInstallWizardBean.profileNameList= "`*`profiles_separated_by_commas`*`"`

You silently installed WebSphere Extended Deployment.

After you install WebSphere Extended Deployment, create a new profile or augment an existing profile by using the WebSphere Extended Deployment Profile wizard. You can omit this task if you already augmented the profile through the Installation wizard.

Installation arguments

The command line for a silent installation provides the parameters to pass, depending on your needs and preferences.

Command-line arguments

You can pass the following command-line arguments during a command-line or options file installation of WebSphere Extended Deployment:

Table 1. Command-line arguments

Argument	Description
-is:javaconsole	Enables the display of a console window during installation, in which you can view certain debug messages.
-is:log *file name*	Creates a log file, indicated by *file name*, which contains the Java virtual machine searches of the installer. This file is useful for debugging failed installations.
-is:silent	Suppresses the initialization window that is typically displayed while the installer is initializing.
-is:tempdir *directory*	Defines the temporary directory for the installer to use with the criteria that is passed in the *directory* information.
-log#! *file name*	Generates an installation log file, which is indicated *file name*, that logs the specified event types: err, wrn, msg1, msg2, dbg, or ALL.
-options *file name*	Passes the installer an options file, indicated by *file name*, which the installer uses as the command-line arguments.
-p *bean_id.propertyName=value*	Sets the property of a product bean, which is identified as its bean ID to a specific value. This property is also used in the options file.
-silent	Suppresses the GUI display and takes all the input from the options file and command line.
-w *bean_id.propertyName=value*	Sets the property of a wizard bean, which is identified as its bean ID to a specific value. This property is also used in the options file.

Installing a remote monitor and a stand-alone ObjectGrid from WebSphere Extended Deployment in a mixed environment

You can install the remote monitor, a stand-alone ObjectGrid, or both from the WebSphere Extended Deployment graphical user interface (GUI).

Before installing WebSphere Extended Deployment, read the *readme* file, which is located in the CD root directory.

WebSphere Extended Deployment provides a remote monitoring agent for mixed server environments to provide health monitoring for external nodes, such as web servers and databases. The remote agent sends average CPU utilization, node speed, number of CPUs, and several other attributes and values to the plug-in that polls the remote agent for CPU information.

ObjectGrid is an extensible transactional object caching framework for Java 2 Platform, Standard Edition (J2SE) and Java 2 Platform, Enterprise Edition (J2EE) applications. You can use the ObjectGrid API when developing your applications to retrieve, store, delete, and update objects in the ObjectGrid framework. You can also implement customized plug-ins that monitor updates to the cache, retrieve and store data with external data sources, manage eviction of entries from the cache, and handle background cache functionality for your own ObjectGrid application environment.

Use the following procedure to install WebSphere Extended Deployment.

1. Insert the installation CD into the CD-ROM.
2. Run the following command to start the installation:
   - **Windows** `install.bat`
   - **Linux** **AIX** **HP-UX** **Solaris** `./install`
3. Select the type of installation that you want to perform. Click **WebSphere Extended Deployment for Mixed Server Environment** to install the product in a mixed environment and click **Next**.
4. Review the Welcome panel and click **Next**.
5. Read and accept the license agreement and click **Next**.
6. Specify the installation location and click **Next**. The default directory is `MixedServer`. To install in a different directory, click **Browse**. The installation directory that you type must be empty.
7. Select **Remote Monitor** and **ObjectGrid**. Click **Next**.
8. Accept or change the resulting summary by clicking **Next** or **Back**. Clicking **Next** invokes the installation process.
9. Review the resulting logs for errors or installation failure.
10. Click **Finish** to complete this part of the installation.
11. Start the remote agent. For more information, see Enabling external monitoring with the remote agent.

Additional files and directories now display in your installation path.

You can now create a new profile or augment an existing profile to make it compatible with WebSphere Extended Deployment.

Installing a remote monitor and a stand-alone ObjectGrid from WebSphere Extended Deployment silently in a mixed environment

You can install WebSphere Extended Deployment silently in a mixed environment by using a response file, which you configure specifically to your needs, or with parameters that pass to the command line. With a silent installation, you can bypass the Installation wizard, which is useful in some environments.

To perform a silent installation, you must have the appropriate authority. On a Linux or UNIX operating system, you must be authorized as the root user. On a

Windows operating system, your user ID must belong to the Administrator group and have the following advanced user rights:

- Act as part of the operating system
- Log on as a service

If you create a new user ID on a Windows operating system, restart the system before attempting a silent installation.

A silent installation uses the same installation program that the graphical user interface (GUI) version uses. However, instead of displaying a wizard interface, the silent installation reads all of your responses from a file that you customize or from parameters that you pass on the command line.

1. Determine whether you want to use the command line to pass your parameters or the customized options response file.
2. **Optional:** If you are using a response file for your installation, customize the options response file for your silent installation.
   a. Copy the WebSphere Extended Deployment options response file, `xd_mixedserver.response`, from the product CD. The response file is on the root of the CD. Consider renaming the options file to something like `myoptionsfile`.
   b. Customize and save the response file. Open the file in any text editor. The file includes comments to assist the configuration process and must include the following parameters:
      - The license agreement
      - The location of the mixed server environment installation
      - The feature that you want to install, either remote monitor, stand-alone ObjectGrid, or both. You must choose at least one feature.
   c. Issue the command to launch your custom response file. Substitute the name and correct path of your response file if you renamed the file:
      - **Windows**

        `install.bat -options drive:path/xd_mixedserver.response -silent`

        The log file name is `WAS.XD.install.log`.
      - **Linux** **AIX** **HP-UX** **Solaris**

        `./install -options /absolute_path/xd_mixedserver.response -silent`

        The log file name is `WAS.XD.install.log`.
3. **Optional:** If you are using the command line to install, launch the installation from the command line and pass the appropriate parameters:
   a. Issue the following command to start the silent installation:
      - **Windows**

        ```
        install.bat -silent -P silentInstallLicenseAcceptance.value="true"
        installLocation="Installation_location" -W
        -W installType.userChoice="MSE" -P
        remoteMonitoringAgentProductFeatureBean.active="true"
        -P objectGridProductFeatureBean.active="false"
        ```

        where *Installation_location* is an empty directory.
      - **Linux** **AIX** **HP-UX** **Solaris**

```
./install -silent -P silentInstallLicenseAcceptance.value="true"
installLocation="Installation_location" -W
-W installType.userChoice="MSE"  -P
remoteMonitoringAgentProductFeatureBean.active="true"
-P objectGridProductFeatureBean.active="false"
```

where *Installation_location* is an empty directory.

You can now create a new profile or augment an existing profile to make it compatible with WebSphere Extended Deployment.

Uninstalling WebSphere Extended Deployment

You can uninstall WebSphere Extended Deployment, WebSphere Extended Deployment for a mixed server environment, or any maintenance that is already applied to the product installation.

Before you can uninstall WebSphere Extended Deployment, the _uninstXD directory must exist. If the installation fails before the uninstallation files are copied to the machine, you cannot uninstall.

This procedure uninstalls WebSphere Extended Deployment only.

1. Stop all the WebSphere Application Server and WebSphere Extended Deployment processes before uninstalling. In a mixed server environment (MSE), verify that any servers and processes are stopped. Use the following commands:
   - Deployment manager: `./stopManager.sh`
   - Nodes: `./stopNode.sh`

   Make sure that all the processes are stopped by verifying the running Java processes:

   - **Windows** Use the task manager to stop the Java processes.

   - **Linux** **AIX** **HP-UX** **Solaris** Complete a search to validate that the Java processes are stopped.

2. From the WebSphere Extended Deployment *install_root*/_uninstXD directory, perform the following actions:

   - **Windows** Double-click the `uninstaller.exe` file.

   - **Linux** **AIX** **HP-UX** **Solaris** From a command prompt in the *install_root*/_uninstXD directory, run the `uninstaller.bin` file.

   Alternatively, issue the following command to silently uninstall the product:

   - **Windows** `uninstaller -silent`. Follow the prompts in the graphical user interface (GUI) and click **Finish** to complete the uninstallation.

   - **Linux** **AIX** **HP-UX** **Solaris** `./uninstaller.bin -silent`

   Tip: To silently uninstall in a mixed server environment (MSE), pass in the response file as well.

3. Identify the nodes where you are uninstalling the product. Uninstall the nodes first, then uninstall the deployment manager.
   a. For the nodes, repeat step 2.

b. For the deployment manager, from the *install_root*/_uninstXD directory, run:

- `Windows` `uninstaller.exe`

- `Linux` `AIX` `HP-UX` `Solaris`
  `./uninstaller.bin`

You successfully uninstalled WebSphere Extended Deployment.

Profiles for WebSphere Extended Deployment

A profile is a set of files that define the runtime environment. A profile also enhances and simplifies the product administration. To use WebSphere Extended Deployment features, at least one profile augmented with WebSphere Extended Deployment must exist. You can omit this task if you already augmented the profile through the Installation wizard.

After you install the product, you can create a profile that is augmented with WebSphere Extended Deployment in two ways:

- Create and augment the profile by using the WebSphere Extended Deployment Profile wizard. When you use the WebSphere Extended Deployment Profile wizard to create a new profile, the wizard automatically augments the profile for you.

  See Creating a profile for WebSphere Extended Deployment for more information.

- Create a base profile first by using the WebSphere Application Server Profile Management tool. Next, use the WebSphere Extended Deployment Profile wizard to augment the profile. With this option, you must determine the correct WebSphere Application Server on which you installed WebSphere Extended Deployment to successfully augment the profile.

  See Augmenting the WebSphere Application Server profile for more information.

Profiles supported by the WebSphere Extended Deployment Profile wizard

The WebSphere Extended Deployment Profile wizard supports the following profiles:

- Deployment manager profile. This profile provides the necessary configuration files for starting and managing the deployment manager server that the profile contains. The profile also provides the necessary features to configure and manage WebSphere Application Server profiles, or nodes, that are contained in the deployment manager cell. The deployment manager profile contains an application server that is named dmgr, which is a unique application server that contains the deployment manager.

- WebSphere Application Server profile. The default WebSphere Application Server profile provides the necessary configuration files for starting and managing the application server that the profile contains. This profile also provides the services and resources that are required to deploy and run enterprise applications.

- Custom profile. A custom profile is an empty node that you can customize through the deployment manager to include application servers, clusters, or other Java processes, such as a messaging server. Create a custom profile on a distributed machine and add the node into the deployment manager cell to get started customizing the node.

The WebSphere Extended Deployment Profile wizard is an InstallShield for Multiplatforms (ISMP) application.

Creating a profile for WebSphere Extended Deployment

Use the WebSphere Extended Deployment Profile wizard to create and augment a new profile, which is a set of files that define the runtime environment. To use WebSphere Extended Deployment features, at least one profile augmented with WebSphere Extended Deployment must exist. You can omit this task if you already augmented the profile through the Installation wizard.

When you use the WebSphere Extended Deployment Profile wizard to create a new profile, the wizard automatically augments the profile for you. The WebSphere Extended Deployment Profile wizard is an InstallShield for Multiplatforms (ISMP) application.

1. Launch the Profile wizard for WebSphere Extended Deployment. From the `bin/ProfileCreator/XD` directory where the product is installed, issue the following command:

   - **Windows** `pcatwindows.exe`

   - **Linux** **AIX** **HP-UX** **Solaris**

   `pcat`*UNIX_platform*.*platform_extension*

2. Review the Welcome panel and click **Next**.

3. If a profile is detected and can be augmented for Extended Deployment, the **Existing WebSphere Extended Deployment Profile Detected** panel is displayed. Click **Create a new profile for WebSphere Extended Deployment** and click **Next**.

4. Select the type of profile to create and click **Next**.

   - New deployment manager profile: Click **Create a deployment manager profile**.

     Tip:
     To silently create a new deployment manager profile, edit the `responsefile.pcat.XDdmgrProfile.txt` file.

   - Custom profile: Click **Create a custom profile**. You must federate the empty node that is contained in the custom profile and start the node after the federation process is complete. Provide the federation information:

     a. In the **The host name or the IP address for the deployment manager** field, type the host name or Internet Protocol address for the deployment manager.

     b. In the **SOAP port for the deployment manager** (8879 is the default) field, type the SOAP port number if it is different from the default.

     Alternatively, select the **Federate this node later** using the **addNode** command check box.

     Tip:
     To silently create a custom profile, edit the `responsefile.pcat.XDmanagedProfile.txt` file.

   - WebSphere Application Server profile: Click **Create an Application Server profile**.

Tip:
To silently create a WebSphere Application Server profile, edit the `responsefile.pcat.XDstandAloneProfile.txt` file.

5. Provide a profile name for your new profile and click **Next**. In the **Profile name** field, type a unique name for your profile. The default is `Dmgr01`, if you create a deployment manager.

6. Provide your profile directory location and click **Next**. In the **Profile directory** field, type your profile directory location. You can also browse to the location.

7. Provide your node, host, and cell name and click **Next**.

   a. In the **Node name** field, type a unique name for administration by the deployment manager.

   b. In the **Host name** field, type the domain name system name or Internet Protocol address of the machine on which you are installing.

   c. In the **Cell name** field, type the logical name for the group of nodes that this deployment manager is administering.

8. Provide your port values. Verify that each port value is unique and click **Next**.

9. **Optional:** If you are using the Windows operating environment, you can set up the Windows operating system services to start and stop WebSphere Application Server, and configure startup and recovery actions. To use the Windows operating system services, select the **Run the Application Server as a Windows service** check box, provide your service definition information, and click **Next**.

10. Review your profile summary and click **Next**. Click **Back** to edit the profile. Click **Launch the First Steps Console** to go directly to the Profile and Migration wizards.

11. Click **Finish** to exit the Profile wizard. The profile installer creates the new profile.

12. Review the logs to ensure that no errors occurred during the profile creation. In the *install_root*`install_root/logs` directory, review the `xd_pcatlog.txt` file for creation failure. In the *profile_location*`/logs` directory, verify the `xd_pcatlog.txt` file for creation success.

An augmented profile is now created.

You can now direct WebSphere Extended Deployment elements from one place to another by using the First Steps Console.

Augmenting the WebSphere Application Server profile

After completing the installation of WebSphere Extended Deployment, you can augment an existing profile to make it compatible with WebSphere Extended Deployment. To use WebSphere Extended Deployment features, at least one profile augmented with WebSphere Extended Deployment must exist.

You must first create a base profile by using the WebSphere Application Server profile management tool. Next, use the WebSphere Extended Deployment Profile wizard to augment the profile. You must determine the correct WebSphere Application Server on which you installed WebSphere Extended Deployment to successfully augment the profile.

- WebSphere Extended Deployment 6.0.2 on WebSphere Application Server 6.0.2: Create a profile using the WebSphere Application Server 6.0.x Profile Creation tool.

- WebSphere Extended Deployment 6.0.2 on WebSphere Application Server 6.1: Create a profile using the WebSphere Application Server 6.1 Profile Management tool.

  Attention:
  WebSphere Extended Deployment 6.0.2 does not officially support the cell profile type, but you can still augment the profile if you created the profile by clicking **Cell (deployment manager and a federated application server)** from the WebSphere Application Server 6.1 Profile wizard panel. You must create the WebSphere Extended Deployment cell by adding nodes to a deployment manager.

This process is useful if you did not augment your profile during installation, or if you created a base profile after installation and want to augment it. For more information on how to manage profiles, see Task overview: Application profiling.

1. Launch the Profile Creation wizard for WebSphere Extended Deployment. From the `bin/ProfileCreator/XD` directory where WebSphere Extended Deployment is installed, issue the following command:

   - **Windows** `pcatwindows.exe`

   - **Linux** **AIX** **HP-UX** **Solaris**

     `pcatUNIX_platform.platform_extension`

2. Review the Welcome panel and click **Next**. An existing profile is detected.

3. If a profile is detected and can be augmented for WebSphere Extended Deployment, the **Existing WebSphere Extended Deployment Profile Detected** panel is displayed. Select **Augment an existing WebSphere Application Server profile for Extended Deployment** and click **Next**.

4. From the **Choose the profile to augment** list, select the profile to augment and click **Next**.

5. Review the profile summary and click **Next**. Click **Launch the First Steps Console** to go directly to the Profile and Migration wizards.

6. Click **Finish** to exit the Profile wizard.

7. If you use the Profile wizard to augment the profile, verify that the `xd_pcatlog.txt` file is in the *profile_location*/logs directory.

   If you silently augment the profile, verify that the `wasprofile_augment_profilename.log` file is in the `logs/wasprofile` directory.

A profile is now augmented.

You can now direct WebSphere Extended Deployment elements from one place to another by using the First Steps Console.

First Steps Console

The First Steps Console is a post-installation ease-of-use tool for directing WebSphere Extended Deployment elements from one place. Options display dynamically on the First Steps Console depending on features that you install and the availability of certain elements on a particular operating system platform.

Options

Options from the First Steps Console include verifying the installation, starting the deployment manager and application server processes, creating profiles, accessing the administrative console, launching the Migration wizard, and accessing the

online information center. The First Steps Console for WebSphere Extended Deployment has several forms, and exists before the creation of any profiles. With this version, you can start the Profile wizard to define a deployment manager and application servers for the cell. You can also define custom profiles and stand-alone application servers. Each custom profile, stand-alone application server, and deployment manager has its own First Steps Console.

A prompt to launch the First Steps Console displays on the last panel of the Profile wizard. You can also use the Start menu shortcut on a Microsoft Windows operating system. Click **Start > Programs > IBM WebSphere > Extended Deployment v6.0.2 > First steps**.

6.0 In addition to the generic First Steps Console for Extended Deployment, other First Steps Consoles exist for the deployment manager profile, the stand-alone application server profile, and the custom profile.

In addition to launching the First Steps Console from the WebSphere Extended Deployment Profile wizard, you can launch the tool manually by issuing the following command:

- `Linux` `AIX` `HP-UX` `Solaris` *profile location*/firststeps/XD/ using firststeps.sh
- `Windows` firststeps.bat

In addition to launching the First Steps Console from the WebSphere Extended Deployment Installation wizard, you can launch the tool manually by issuing the following command:

- `Linux` `AIX` `HP-UX` `Solaris` *install_root*/ firststeps/XD/ using firststeps.sh
- `Windows` firststeps.bat

Options that display on each First Steps Console are shown in the following table.

Table 2. Available options for WebSphere Extended Deployment

		Deployment manager Profiles	Stand-alone application server Profiles	Custom Profiles
Installation verification		No	Yes	Yes	No
Start the deployment manager		No	Yes	No	No
Start the server		No	No	Yes	No
Administrative console		No	Yes	Yes	No
Information center		Yes	Yes	Yes	Yes
Profile wizard		Yes	Yes	Yes	Yes
Migration wizard		Yes	Yes	Yes	Yes
Exit		Yes	Yes	Yes	Yes

Developing and installing customized installation packages for WebSphere Extended Deployment

A customized installation package (CIP) is a customized WebSphere Extended Deployment installation image that can include one or more maintenance packages and other files that help customize the resulting installation.

6.0.1 To create a customized installation package using the IBM Installation Factory for WebSphere Extended Deployment 6.0.1, you must first install the IBM Installation Factory for WebSphere Application Server 6.0.2.

6.0.2+ To create a customized installation package using the IBM Installation Factory for WebSphere Extended Deployment 6.0.2, you must first install the IBM Installation Factory for WebSphere Application Server 6.0.2.

To install the IBM Installation Factory for WebSphere Application Server, version 6.0.2, perform the following steps:

1. Download the packed code from the IBM Support and downloads Web site.

   Download the code to the same type of operating system for which you intend to build a CIP.
2. Unpack the code to an empty directory.

For more information on the IBM Installation Factory for WebSphere Application Server, see Developing and installing customized installation packages.

Using the IBM Installation Factory for WebSphere Extended Deployment, you can install the product in one step by creating a CIP. Additionally, you can customize your CIP to include only the features and platform support that you need.

1. After you install the IBM Installation Factory for WebSphere Application Server 6.0.2, download the IBM Installation Factory for WebSphere Extended Deployment code to create a customized installation package (CIP). See the IBM Support and downloads Web site for more information.
2. Prepare your environment and plan for the installation. See Preparing WebSphere Application Server Network Deployment to install WebSphere Extended Deployment for more information.
3. Create a build definition for the customized installation package (CIP). You must create a build definition file before you can create a CIP. See Creating a build definition file to generate a CIP for WebSphere Extended Deployment for more information.
4. Install WebSphere Extended Deployment using the customized installation package (CIP). Choose one of the following installation scenarios:
   - Perform a new customized installation using the CIP Installation wizard. See Installing a CIP for WebSphere Extended Deployment for more information.
   - Perform a custom installation silently with the CIP Installation command-line interface tool. See Silently installing a CIP for WebSphere Extended Deployment for more information.
   - Install maintenance packages with the CIP Installation wizard to update an existing WebSphere Extended Deployment installation. See Installing a CIP to apply maintenance on an existing WebSphere Extended Deployment installation for more information.

You created and installed a customized installation package (CIP), which includes features and maintenance packages, for WebSphere Extended Deployment.

Next, you can create a profile, or augment an existing profile, by using the WebSphere Extended Deployment Profile wizard. See Profiles for WebSphere Extended Deployment for more information.

Build definition file

A build definition file is a an XML document that specifies how to build and customize the customized installation package (CIP) for WebSphere Extended Deployment. The build definition file describes exactly what features the Installation Factory includes in the CIP for you to achieve a customized installation.

Before you can create a customized installation package (CIP), you must create a build definition file for the CIP. The Build Definition wizard, from within the Installation Factory graphical user interface (GUI), steps you through the process of creating a build definition file. You can also use the Build Definition wizard to modify an existing build definition file.

Each panel in the Build Definition wizard prompts you for information about the CIP. For example, panels prompt you to provide the package identification, the build information, and the location of maintenance packages. Another panel requests the location for generating the CIP. All of this information is saved in the new build definition file, or modified and saved in the build definition file that you are changing. For more information on the panel definitions, see Build Definition wizard panels.

To use the Build Definition wizard to create a build definition file and generate the customized installation package (CIP), use the **ifgui** command from the `bin` directory to launch the GUI. You can also use the command-line interface tool as an alternate way to generate the customized installation package after you create the build definition file. With this method, save the build definition file and generate the CIP outside of the GUI.

See Creating a build definition file for more information.

Creating a build definition file to generate a CIP for WebSphere Extended Deployment

A build definition file is a an XML document that specifies how to build and customize the customized installation package (CIP) for WebSphere Extended Deployment. The build definition file identifies the product to install, the features of the product, and the maintenance packages and other customized components to include in the CIP.

6.0.1 To create a customized installation package using the IBM Installation Factory for WebSphere Extended Deployment 6.0.1, you must first install the IBM Installation Factory for WebSphere Application Server 6.0.2.

6.0.2 ✚ To create a customized installation package using the IBM Installation Factory for WebSphere Extended Deployment 6.0.2, you must first install the IBM Installation Factory for WebSphere Application Server 6.0.2.

For more information, see Developing and installing customized installation packages for WebSphere Extended Deployment.

The Build Definition wizard, from within the Installation Factory graphical user interface (GUI), steps you through the process of creating a Build definition file. To create the build definition file using the Build Definition wizard, follow these steps:

1. Gather the components to include in the customized installation package (CIP). Optional assets can include maintenance packages and additional files to install on the system. Make all of the assets available on the machine where you intend to create your CIP, which might be a different machine from the one where you create the build definition.

2. Launch the console in the `bin/ifgui` directory.

3. Click the **New Build Definition** icon after you launch the console.

4. Complete the following panels to identify the components to include in the customized installation package (CIP).

    a. Select the product to install from the Product Selection wizard. The IBM WebSphere Extended Deployment 6.0.2 product CD contains two installation images. One image installs WebSphere Extended Deployment 6.0.2 on WebSphere Application Server 6.0.2. The other CD installs WebSphere Extended Deployment 6.0.2 on WebSphere Application Server 6.1. The wizard provides the following levels of product identifiers:

        • **Product:** Select the appropriate WebSphere Extended Deployment installation image based on which WebSphere Application Server version you install. Click **Next** after you make the appropriate selection.

        • **Edition:** Select **Extended Deployment** and click **Next**.

        • **Package:** Select **Extended Deployment** and click **Finish**.

    b. Click **Disconnected** or **Connected** from the **Mode Selection** panel in the Build Definition wizard. If the Build Definition wizard has access to required components to create the customized installation package (CIP), then click **Connected**. If the required components are located on a separate workstation and are not accessible, click **Disconnected**.

       Select the platforms on which you intend to create the customized installation package (CIP). Install the CIP only on the target platforms that you select.

    c. Specify an identifier and version for the customized installation package (CIP). The wizard provides the following fields for the package identification:

        • **Identifier:** Type a descriptor. The identifier must be unique.

        • **Version:** Type a version number to help identify the customized installation packages (CIP) that you create. For example, the default for the graphical user interface (GUI) field is `1.0.0.0`. The version number of the customized installation package (CIP) does not have to reflect the version number of the product.

        • **Full package identifier:** This field is for informational purposes only.

    d. Type the location of the build definition file and the location of the customized installation package (CIP) to specify the build information. The build definition file is always saved to a directory path on the Build Definition wizard workstation.

    e. Type the location of the WebSphere Extended Deployment 6.0.2 CD installation image. For example, `drive:\XD\XD602`. The directory for the

installation image must be in the connected mode. In the disconnected mode, specify the file path in terms of the workstation on which the processing engine workstation runs.

   f. Select the features to include in the customized installation package (CIP). You can select WebSphere Extended Deployment enhancements, mixed server environment, or both.

   g. Provide the maintenance packages you want to include by typing the refresh pack and fix pack locations.

   h. Type the interim fix location to provide the interim fix packages. Click **Add** to include any interim fix images.

   i. Click **Add Files** and type the name of the file to add any additional files in the customized installation package (CIP). You can also click **Add Directories** to add a directory.

   j. Type the organization and description of the customized installation package (CIP) to define the authorship of the package.

   k. Review the **Customized installation package preview** summary panel. Click **Finish** to generate the customized installation package (CIP).

     If you create the build definition file in the disconnected mode, you can only save the build definition file. To generate the customized installation package (CIP), copy the build definition file to the workstation that is running the target operating system. Start the processing engine with the **bin/ifcli** command. The `ifcli` command creates customized installation packages (CIP) for all of the supported operating systems.

You created the build definition file and generated a customized installation package (CIP).

You can now install the customized installation package (CIP). Use the InstallShield for Multiplatforms (ISMP) Installation wizard, or run the installation command.

See Installing a CIP for WebSphere Extended Deployment to install the CIP using the Installation wizard. See Silently installing a CIP for WebSphere Extended Deployment to run the installation command.

Installing a CIP for WebSphere Extended Deployment

Create a customized installation package (CIP) for WebSphere Extended Deployment using the Installation wizard. A customized installation package (CIP) is a customized WebSphere Extended Deployment installation image that can include one or more maintenance packages and other files that help customize the resulting installation. You can install WebSphere Extended Deployment in one step by creating a CIP.

Before you install WebSphere Extended Deployment, read the readme file, which is located in the CD root directory, and prepare your environment to support an installation. Exit the WebSphere Application Server Network Deployment directory. Installation errors can occur if you inadvertently leave a command line or browser instance open in the *profile_root*/installedApps directory.

6.0.1 To install a customized installation package using the IBM Installation Factory for WebSphere Extended Deployment 6.0.1, you must first install the IBM Installation Factory for WebSphere Application Server 6.0.2.

6.0.2 + To install a customized installation package using the IBM Installation Factory for WebSphere Extended Deployment 6.0.2, you must first install the IBM Installation Factory for WebSphere Application Server 6.0.2.

See Developing and installing customized installation package for WebSphere Extended Deployment for more information.

Before you can install a customized installation package (CIP), create a build definition file to specify features included in the CIP. See Creating a build definition file to generate a CIP for WebSphere Extended Deployment for more information.

6.0.2 + For WebSphere Extended Deployment 6.0.2, the installation process is similar to a typical WebSphere Extended Deployment installation except for two new panels:

- One panel displays the characteristics of the CIP.
- The other panel prompts you to choose between installing WebSphere Extended Deployment or applying maintenance. Choose to install the product.

 1. Insert the installation CD that contains the customized installation package (CIP) into the CD-ROM, or access the directory in which the CIP is located.

 2. Stop all WebSphere Application Server and WebSphere Extended Deployment processes that are running on the machine that you are preparing for installation. Use the following commands:

    - Deployment manager: `profile_root /bin/stopManager`
    - Nodes: `profile_root /bin/stopNode`

    Verify that all the processes are stopped by verifying the running Java processes. The graphical user interface (GUI) provides a message of completion.

 3. Run the following command to start the installation:

    - **Windows** `install.bat`
    - **Linux** **AIX** **HP-UX** **Solaris** `./install`

 4. Review the characteristics of the customized installation package (CIP) that are displayed on the panel and click **Next**.

 5. Select the type of installation to perform. Click **WebSphere Extended Deployment** or **WebSphere Extended Deployment for mixed server environment** and click **Next**. This panel does not display if you customize the CIP not to include both types of installations.

 6. Review the Welcome panel and click **Next** again.

 7. Read and accept the license agreement. After the license is accepted, the prerequisite checking automatically begins. If your system does not have the prerequisites, a window displays the missing prerequisites. Cancel the installation, make the required changes, and restart the installation.

 8. Click **Next**. A panel prompts you to choose between completing a new WebSphere Extended Deployment installation or applying maintenance to an existing installation. Choose to complete a new installation.

 9. Specify the installation location.

    - From the list, select the WebSphere Application Server installation that you are extending.

- If you use another installation path, and it does not display in the table, type the WebSphere Application Server installation directory path in the Installation Location field.

  Click **Next**. A window displays a summary of your installation foundation.

10. Select the existing profiles for your installation to augment and click **Next**. You can also augment a profile later by using the WebSphere Extended Deployment Profile wizard or the **wasprofile** command. Augment the deployment manager and custom profiles to work for Extended Deployment.

11. Accept or change the resulting summary by clicking **Next** or **Back**.

12. Click **Next** to start the installation process.

13. Review the resulting logs for errors or an installation failure, and click **Finish** to complete this part of the installation.

14. Repeat this process for each node in the cell.

The customized installation package (CIP) features are successfully installed. You can uninstall the product from the **install_root/_uninstXD** directory.

After you install the CIP, create a new profile or augment an existing profile by using the WebSphere Extended Deployment Profile wizard. You can omit this task if you already augmented the profile through the Installation wizard.

Silently installing a CIP for WebSphere Extended Deployment

You can silently install a customized installation package (CIP) for WebSphere Extended Deployment by using either a fully-qualified response file, which you configure specifically to your needs, or parameters that pass to the command line. With a silent installation, you can bypass the Installation wizard, which is useful in some environments.

To perform a silent installation, you must have the appropriate authority. On a Linux or UNIX operating system, you must be authorized as the root user. On a Windows operating system, your user ID must belong to the Administrator group and have the following advanced user rights:

- Act as part of the operating system
- Log on as a service

If you create a new user ID on a Windows operating system, restart the system before attempting a silent installation.

Create the build definition file and the customized installation package (CIP) before you silently install the CIP. See Creating a build definition file to generate a CIP for WebSphere Extended Deployment for more information.

6.0.1 To create a customized installation package using the IBM Installation Factory for WebSphere Extended Deployment 6.0.1, you must first install the IBM Installation Factory for WebSphere Application Server 6.0.2.

6.0.2+ To create a customized installation package using the IBM Installation Factory for WebSphere Extended Deployment 6.0.2, you must first install the IBM Installation Factory for WebSphere Application Server 6.0.2.

See Developing and installing customized installation packages for WebSphere Extended Deployment for more information.

A silent installation uses the Installation wizard to install the product in silent mode. Instead of displaying a wizard interface, the silent installation reads all of your responses from a file that you customize or from parameters that you pass to the command line.

The silent and command-line installations accept a series of parameters. See Installation arguments for additional parameter information.

1. Determine whether you want to use the command line to pass your parameters or the customized options response file to silently install the product.

2. If you are using a response file to silently install the customized installation package (CIP), customize the options response file.

   Tip:
   Copy the `xdsetup.response` file from the root directory of the customized installation package. Consider renaming the options file to something like `myoptionsfile`. The `xdsetup.response` exists only if the Extended Deployment feature is included in the package. Similarly, the response file `xd_mixedserver.response` exists only if Mixed Server environment features are included in the package.

   a. Customize and save the response file. Open the response file in any text editor. The file includes comments to assist the configuration process and must include these three parameters:
      - The license agreement
      - The location of the WebSphere Extended Deployment installation
      - The Profile list for augmentation

      The location that you select for your installation is how the installation program determines where your previous WebSphere Application Server instance is located. If you install on a node with multiple WebSphere Application Server instances, ensure that your location is well defined.

   b. Issue the command to launch your custom response file. Substitute the name and correct path of your response file if you renamed the file:

      - > **Windows**

        `install.bat -options` *drive:path*`/xdsetup.response -silent`

        The log file name is `WAS.XD.install.log`.

      - > **Linux** > **AIX** > **HP-UX** > **Solaris**

        `./install -options /`*absolute_path*`/xdsetup.response -silent`

        The log file name is `WAS.XD.install.log`.

3. If you are using the command line to silently install the customized installation package (CIP), launch the installation from the command line and pass the appropriate parameters. Issue the following command to start the silent installation:

   - > **Windows**

     `install.bat -silent -P installLocation="`*Installation_location*`" -W silentInstallLicenseAcceptance.value="true"`

     where *Installation_location* is an existing WebSphere Application Server installation location. Use the following optional parameter to specify particular profiles to augment:

     `-W profileaugmentinputInstallWizardBean.profileNameList= "`*profiles_separated_by_commas*`"`

   - > **Linux** > **AIX** > **HP-UX** > **Solaris**

```
/install -silent -P silentInstallLicenseAcceptance.value="true"
installLocation= Installation_location -W
```

where *Installation_location* is an existing WebSphere Application Server installation location. Use the following optional parameter to specify particular profiles to augment:

```
-W profileaugmentinputInstallWizardBean.profileNameList=
profiles_separated_by_commas
```

You silently installed the customized installation package (CIP). Complete and accurate logging information is created to record all significant events that occur during the installation, including those related to any customized aspect of the installation.

After you install WebSphere Extended Deployment, create a new profile or augment an existing profile by using the WebSphere Extended Deployment Profile wizard. You can omit this task if you already augmented the profile through the Installation wizard.

Installing a CIP to apply maintenance on an existing WebSphere Extended Deployment installation

You can apply maintenance packages to an existing installation of WebSphere Extended Deployment or WebSphere Extended Deployment for mixed server environments by installing a customized installation package (CIP).

Create the build definition file and the customized installation package (CIP) before you install the CIP. See Creating a build definition file to generate a CIP for WebSphere Extended Deployment for more information.

6.0.1 To create a customized installation package using the IBM Installation Factory for WebSphere Extended Deployment 6.0.1, you must first install the IBM Installation Factory for WebSphere Application Server 6.0.2.

6.0.2 + To create a customized installation package using the IBM Installation Factory for WebSphere Extended Deployment 6.0.2, you must first install the IBM Installation Factory for WebSphere Application Server 6.0.2.

See Developing and installing customized installation packages for WebSphere Extended Deployment for more information.

Complete the following steps to add maintenance to an existing WebSphere Extended Deployment installation.

1. Insert the installation CD that contains the customized installation package (CIP) into the CD-ROM, or access the directory in which the CIP is located.
2. Stop all WebSphere Application Server and WebSphere Extended Deployment processes that are running on the machine that you are preparing for installation. Use the following commands:
   - Deployment manager: `profile_root /bin/stopManager`
   - Nodes: `profile_root /bin/stopNode`

   Verify that all the processes are stopped by verifying the running Java processes. The graphical user interface (GUI) provides a message of completion.
3. Run the following command to start the installation:
   - **Windows** `install.bat`

- **Linux** | **AIX** | **HP-UX** | **Solaris** `./install`

4. Review the characteristics of the customized installation package (CIP) that are displayed on the panel and click **Next**.

5. Select the type of installation to perform. Click **WebSphere Extended Deployment** or **WebSphere Extended Deployment for mixed server environment** and click **Next**. This panel does not display if you customize the CIP not to include both types of installations.

6. Review the Welcome panel and click **Next** again.

7. Read and accept the license agreement and click **Next**. After the license is accepted, the prerequisite checking automatically begins. If your system does not have the prerequisites, a window displays the missing prerequisites. Cancel the installation, make the required changes, and restart the installation. A panel displays the options to complete a new WebSphere Extended Deployment installation or apply maintenance to an existing installation.

8. Select **Apply maintenance** to perform an installation update and click **Next**.

9. Type the location of the existing WebSphere Extended Deployment installation. The Installation wizard validates the location. The feature panel is hidden for a mixed server environment installation.

   When applying maintenance with a customized installation package (CIP) that contains a refresh pack, a fix pack, or both, all previously installed authorized program analysis reports (APARs) are uninstalled by the wizard. If the CIP is on the same level that WebSphere Extended Deployment is installed, previously installed APARs remain only if they are packaged in the CIP.

   To successfully apply maintenance or updates to an installation, the customized installation package (CIP) must include the installed features.

The installation preview summary lists the resulting product version and any applicable features and interim fixes.

The Installation wizard successfully applies the maintenance, and updates the features or component of the product.

If you installed WebSphere Extended Deployment on WebSphere Application Server 6.0.2, the product binaries are copied to the `WAS_HOME/properties/version/update/backup` directory. You can use the Update Installer for WebSphere Application Server 6.0 to uninstall the updates and restore your workstation.

If you installed WebSphere Extended Deployment on WebSphere Application Server 6.1, the product binaries are copied to the `WAS_HOME/properties/version/nif/backup` directory. You can use the Update Installer for WebSphere Application Server 6.1 to uninstall the update and restore your workstation.

Uninstalling CIP updates from an existing WebSphere Extended Deployment installation

You can remove the customized installation package (CIP) updates from an existing WebSphere Extended Deployment installation without removing the entire product. Use the Update Installer for WebSphere Software to uninstall any CIP updates. This task is also referred to as a *slip uninstallation*.

You must have at least one existing copy of WebSphere Extended Deployment installed on the system.

The process for removing updates from a WebSphere Extended Deployment CIP installation is the same as Uninstalling maintenance packages.

1. Download the Update Installer directory from the IBM Support and downloads Web site if the directory does not exist in the WebSphere Extended Deployment installation location. Extract the Update Installer refresh pack to the installation location.

2. Uninstall any interim fix that you installed after installing the customized installation package (CIP). This is the same as uninstalling any other interim fix.

3. Uninstall any fix pack or refresh pack that you installed after installing the customized installation package (CIP). This is the same as uninstalling any other fix pack or refresh pack.

4. Uninstall any interim fixes that were installed as part of the slip installation using the Update Installer. This is the same as uninstalling a single fix pack or refresh pack. However, the maintenance that was included in the customized installation package (CIP) is now included in a single operation.

5. Uninstall the customized installation package (CIP) by using the Update Installer. The maintenance levels return to the pre-update state, and the CIP is denoted by the timestamps appended to its filename. For example, a CIP can look different from the other regular maintenance packages in the Update Installer maintenance package selection panel:

   - **CIP:** `6.0-WS-XD-FR000001-2006-01-11_14_24_59.pak`
   - **Maintenance package:** `6.0.2-WS-WAS-LinuxX32-FP0000005.pak`

You removed the CIP updates from an existing WebSphere Extended Deployment installation.

Related information

IBM Support and downloads

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