



## **IBM WebSphere Extended Deployment V6.1**

### **Getting started guide**

**June 18, 2008**

# IBM WebSphere Extended Deployment V6.1

– Getting started guide –

## Table of contents

Supported environments.....	3
Basic network configuration .....	3
Packaging .....	4
Limitations.....	5
Prerequisites .....	5
Basic installation flow.....	7
Detailed installation flow .....	8
Installing the middleware agent for non-WebSphere nodes.....	21
Using installation media .....	21
Using the centralized installation manager.....	26

**Disclaimer:**

This document assumes some level of familiarity with IBM WebSphere Application Server Network Deployment V6.1 installation and configuration.

# IBM WebSphere Extended Deployment V6.1

– Getting started guide –

## Supported environments

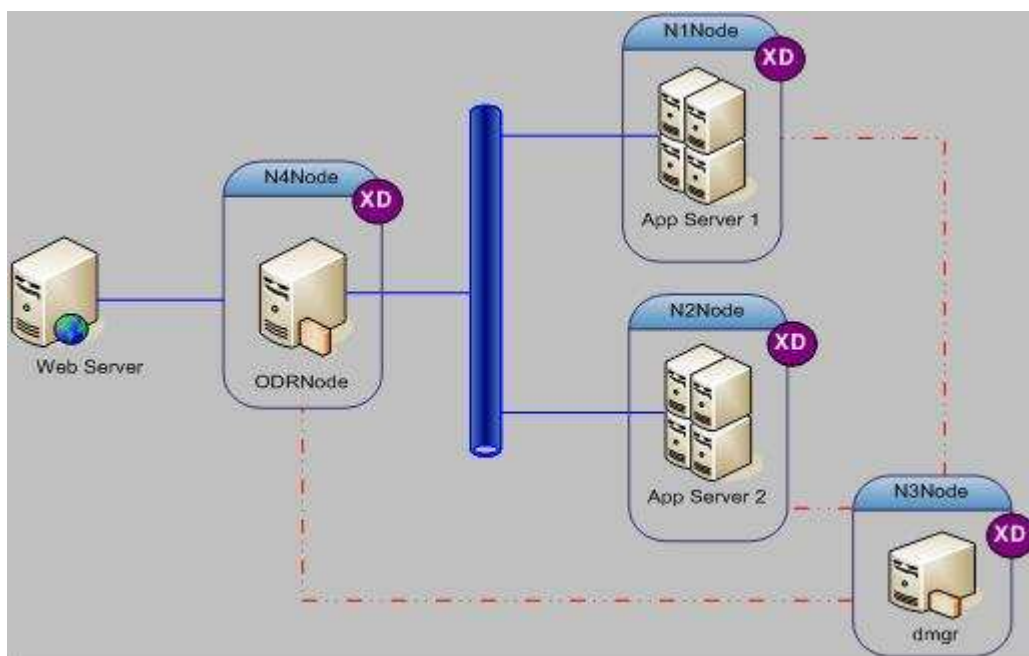
Detailed system requirements for IBM WebSphere Extended Deployment V6.1 can be found on the IBM support Web site at:

<http://www.ibm.com/support/docview.wss?rs=3023&uid=swg27007281>

Review this Web site to ensure your system is supported.

### **Basic network configuration**

A basic IBM WebSphere Extended Deployment network configuration could look approximately like this:



In this topology you have a single on-demand router, a single deployment manager, and two to  $n$  application server nodes. Though this document describes how to install this simplified topology, these instructions can be used to guide you through installation of variations of this topology.

Other, more complex topologies are described in the WebSphere Extended Deployment information center.

# IBM WebSphere Extended Deployment V6.1

– Getting started guide –

## Packaging

IBM WebSphere Extended Deployment V6.1 consists of three separate packages (three CDs). You only need to install the packages that contain the components you need.

### **WebSphere Virtual Enterprise** (Formerly WebSphere Extended Deployment Operations Optimization)

Includes support for dynamic operations, extended manageability, and support for other (non-WebSphere) middleware servers.

The installer will install a new copy of IBM WebSphere Virtual Enterprise to the existing IBM WebSphere Application Server installation or, if the selected installation location does not have IBM WebSphere Application Server installed, it will install the middleware agent for IBM WebSphere Virtual Enterprise.

### **WebSphere eXtreme Scale** (Formerly WebSphere Extended Deployment Data Grid)

Includes the partitioning facility and object grid. WebSphere eXtreme Scale can be installed stand-alone, or as an enhancement to an IBM WebSphere Application Server environment.

The installer will install a new copy of IBM WebSphere eXtreme Scale to an existing IBM WebSphere Application Server installation, or, if the selected install location does not have IBM WebSphere Application Server installed it will install the middleware agent for IBM WebSphere eXtreme Scale.

### **Compute grid**

Includes compute grid extensions to IBM WebSphere Application Server.

The installer will install a new copy of IBM WebSphere Extended Deployment compute grid to an existing IBM WebSphere Application Server installation, or, if the selected installation location does not have IBM WebSphere Application Server installed, it will install the middleware agent for IBM WebSphere Extended Deployment compute grid.

# IBM WebSphere Extended Deployment V6.1

– Getting started guide –

## Limitations

- The IBM WebSphere Extended Deployment 6.1 driver *must* be installed on either IBM WebSphere Application Server V6.1.0.9 or on V6.1.0.7 (although fix pack 7 requires additional Network Deployment interim fixes). This guide will show the installation using fix pack 9.
- The latest version of the update installer *must* be installed – available from:

<http://www.ibm.com/support/docview.wss?rs=180&uid=swg24012718>.

**Note:** 6.1.0.9 of the update installer is available as of June 15, 2007. It contains some significant performance, usability, and functionality improvements. It is required for the installation of fix pack 9 for IBM WebSphere Application Server and required for any subsequent IBM WebSphere Extended Deployment interim fixes, Extended Deployment fix packs and subsequent WebSphere Network Deployment fix packs as well.

- See the product-accompanying release notes for a complete list of limitations.

## Prerequisites

Make sure you have downloaded the following files before you proceed with the installation.

**Note:** If you participated in an Extended Deployment beta program and you have installed a previous IBM WebSphere Extended Deployment beta driver, you must uninstall both the Extended Deployment and the Network Deployment products before proceeding with these installation steps. Then install WebSphere Application Server Network Deployment and Extended Deployment from the installation media.

1. IBM WebSphere Application Server Network Deployment V6.1. Install from your installation media.
2. IBM WebSphere Application Server Network Deployment fix pack 9. Navigate to this Web site to retrieve fix pack 9 (all required prerequisite interim fixes for Extended Deployment installation are included in the Network Deployment fix pack 9):

<http://www-1.ibm.com/support/docview.wss?rs=180&uid=swg24015768>

Click on the appropriate tab at the top of the page to select the operating system. You must download at least two files:

- Application Server update
- Java™ SDK Update (“WASSDK” file)

You can at your discretion download the other fix pack 9 updates; however this guide will reference only the Java SDK and Application Server updates.

# IBM WebSphere Extended Deployment V6.1

## – Getting started guide –

Note that IBM made Update Installer V6.1.0.9 available on June 15, 2007. If you have an older version of the update installer, uninstall it and install the newer version of update installer. It is available from:

<http://www.ibm.com/support/docview.wss?rs=180&uid=swg24012718>

3. IBM WebSphere Extended Deployment V6.1 installation media.
4. The online IBM WebSphere Extended Deployment V6.1 information center:  
<http://publib.boulder.ibm.com/infocenter/wxdinfo/v6r1/index.jsp>

Latest Extended Deployment interim fixes are available at:

<http://www-306.ibm.com/software/webservers/appserv/extend/support/>

Click on APARs under “Solve a Problem”, and then add Additional Search Terms “610”

# IBM WebSphere Extended Deployment V6.1

– Getting started guide –

## Basic installation flow

The following steps are a summary of the installation procedure. You can specify “application server” profile in place of “custom” profile if you prefer.

1. Install IBM WebSphere Network Deployment V6.1 on all nodes.
2. Install the Update Installer for IBM WebSphere Application Server V6.1 on all nodes.
3. Install IBM WebSphere Network Deployment V6.1, fix pack 9 onto each node.
4. Create Deployment Manager profile (on N3Node in the example shown).
5. Start the Deployment Manager.
6. Create custom profiles on application server and on-demand router nodes.
7. Execute addNode for each of the Application Server nodes and on-demand router nodes to create a cell containing all of the machines.
8. Verify through the administrative console that the cell appears correct.
9. Stop everything. This includes the deployment manager, the Application Servers, and the node agents on the Application Servers and on-demand router nodes.
10. Install WebSphere Virtual Enterprise V6.1 on the Deployment Manager node, each Application Server node, and the on-demand router node.
11. Install Extended Deployment 6.1 Compute Grid on the deployment manager node, each application server node, and the on-demand router node.
12. Install WebSphere eXtreme Scale on the deployment manager node, each application server node, and the on-demand router node.
13. Install any Extended Deployment iFixes.
14. Start the deployment manager.
15. Start the node agents on the Application Server nodes and the on-demand router node.
16. Create an on-demand router server on the on-demand router node (N4Node).

# IBM WebSphere Extended Deployment V6.1

– Getting started guide –

## Detailed installation flow

For the detailed flows the examples assume the WebSphere Application Server product is installed into a path called **C:/WebSphere/AppServer** on each node. Of course, you can install these in the directory of your choice.

1. Install IBM WebSphere Application Server 6.1 Network Deployment on all nodes - N1, N2, N3, and N4 - using the normal WebSphere installation procedures. Do not create profiles at this time.
2. Install the latest version of Update Installer for IBM WebSphere Application Server V6.1. You must ensure it is installed on all nodes - N1, N2, N3, and N4. It can be obtained from the IBM service Web site:

<http://www.ibm.com/support/docview.wss?rs=180&uid=swg24012718>

These instructions assume the Update Installer is installed into a path called **C:/WebSphere/AppServer/UpdateInstaller**.

Note: IBM made Update Installer V6.1.0.9 available on June 15, 2007.

3. Install IBM WebSphere Network Deployment V6.1, fix pack 9.

Navigate to this Web site to retrieve fix pack 9:

<http://www-1.ibm.com/support/docview.wss?rs=180&uid=swg24015768>

Click on the appropriate tab at the top of the page to select the operating system.

IBM WebSphere Extended Deployment V6.1 requires a minimum (or newer) maintenance level of IBM WebSphere Application Server Network Deployment. Currently the minimum level is fix pack 7 plus interim fixes, or the newer fix pack 9 with no interim fixes. This guide illustrates using fix pack 9.

- a. First, ensure that you erase any previous maintenance in **C:/WebSphere/AppServer/UpdateInstaller/maintenance**. Identify and download the WebSphere Application Server Network Deployment Fix Pack 9 files for your platform. There are a minimum of two files Fix Pack 9 required: the “WS-WASSDK” file updates the Java SDK; the other “WS-WAS” file is for the application server and updates the WebSphere binaries. You can optionally download other Fix Pack 9 files for other components. Copy the files into **C:/WebSphere/AppServer/UpdateInstaller/maintenance**
  - 6.1.0-WS-WASSDK-<platform>-FP0000009.pak
  - 6.1.0-WS-WAS-<platform>-FP0000009.pak
  - 6.1.0-WS-<optional component>-<platform>-FP0000009.pak
- b. Execute “**C:/WebSphere/AppServer/UpdateInstaller/update**” and install each of the Fix Pack 9 files. You can browse to an individual .pak file during each iteration of the installation process (and use the



# IBM WebSphere Extended Deployment V6.1

## – Getting started guide –

“Relaunch” to re-invoke the update installer) or select all files to be installed at once using the multiple selection list. You can optionally install other Fix Pack 9 files at this point. (These optional components are not discussed in this document.)

**Warning:** If you created *any* profiles before installing interim fixes, you must run the command `osgiCfgInit` from the profile's bin directory after installing the fix pack:  
**<WAS\_HOME>/profiles/<profile\_name>/bin/osgiCfgInit**

4. Create a deployment manager profile. Security is enabled as a default but is not needed for testing in general, so you can unset security during the profile creation. In WebSphere V6.1, profile creation is accomplished through the command **<WAS\_HOME>bin\ProfileManagement\pmt.bat**
5. Start the deployment manager.
6. On each node, create a profile appropriate for that node using the **<WAS\_HOME>bin\ProfileManagement\pmt.bat** command. In production environments you will normally create *custom* profiles. To allow custom profiles to federate immediately, the deployment manager must be running. If you prefer, you can create profiles and federate later. For more information on profile types, see “Using the profile creation wizard” in the information center at:

[http://publib.boulder.ibm.com/infocenter/wasinfo/v6r1/index.jsp?topic=/com.ibm.websphere.nd.doc/info/welcome\\_nd.html](http://publib.boulder.ibm.com/infocenter/wasinfo/v6r1/index.jsp?topic=/com.ibm.websphere.nd.doc/info/welcome_nd.html)

7. Run **addNode.(sh/bat)** on any Application Server nodes that were not federated during profile creation. The command will look like this:  
**<WAS\_HOME>/profiles/<profile\_name>/bin/addNode N3Node 8879**
8. Verify through the administrative console that the cell appears correct. Open the console (**http://n3:9060/ibm/console**) and make sure that you see all of the nodes for the Application Servers and the on-demand router. Ensure that you can start and stop any existing Application Servers.
9. Stop everything. This includes the **deployment manager** and the **node agents** on each Application Server node and the on-demand router node. The commands are as follows:

Node agents and servers: **stopNode -stopservers** (from the bin directory of the Application Server and on-demand router profiles)

Deployment Manager: **stopManager** (from the bin directory of the Deployment Manager profile)

**Warning:** The WebSphere Extended Deployment V6.1 installation process will attempt to stop any WebSphere processes on a host, including the deployment manager and all servers and node agents on a host.

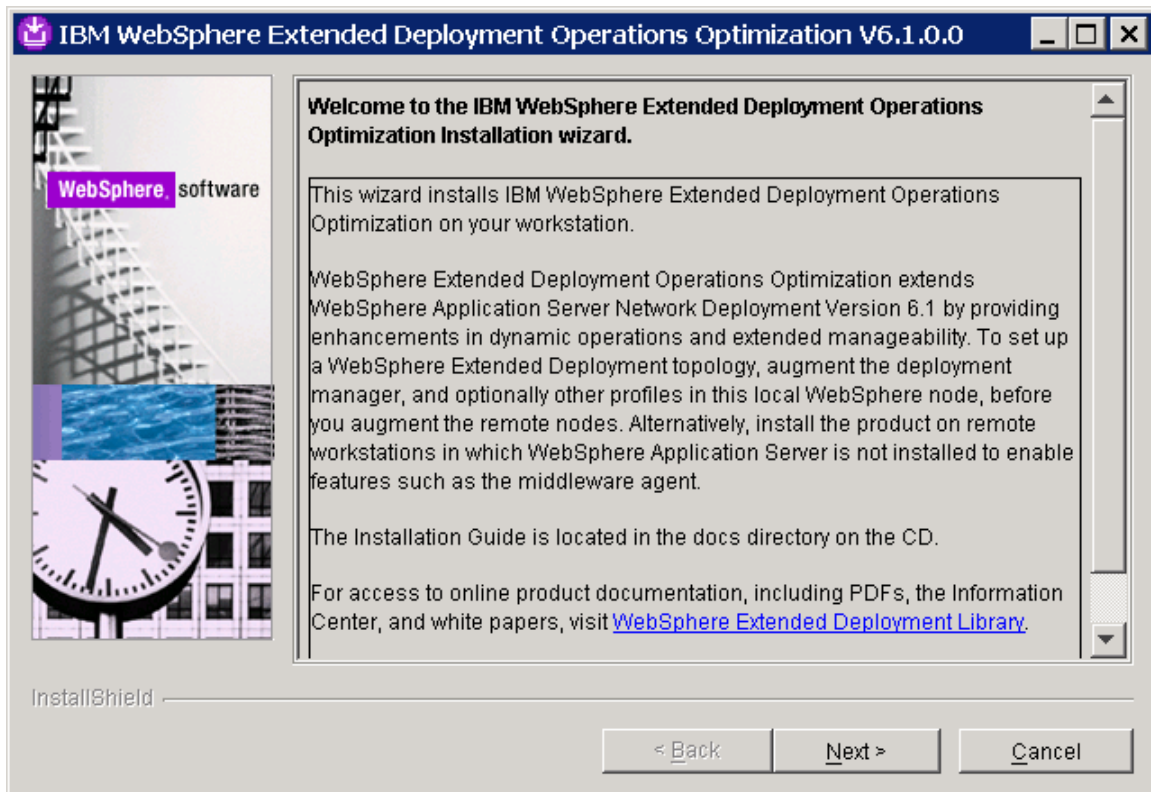
# IBM WebSphere Extended Deployment V6.1

## – Getting started guide –

10. Install WebSphere Virtual Enterprise V6.1 (formerly operations optimization) on all of the nodes.

Using your Extended Deployment Operations Optimization installation media, begin the installation of WebSphere Virtual Enterprise.

The panel flow is shown in the next few pages.

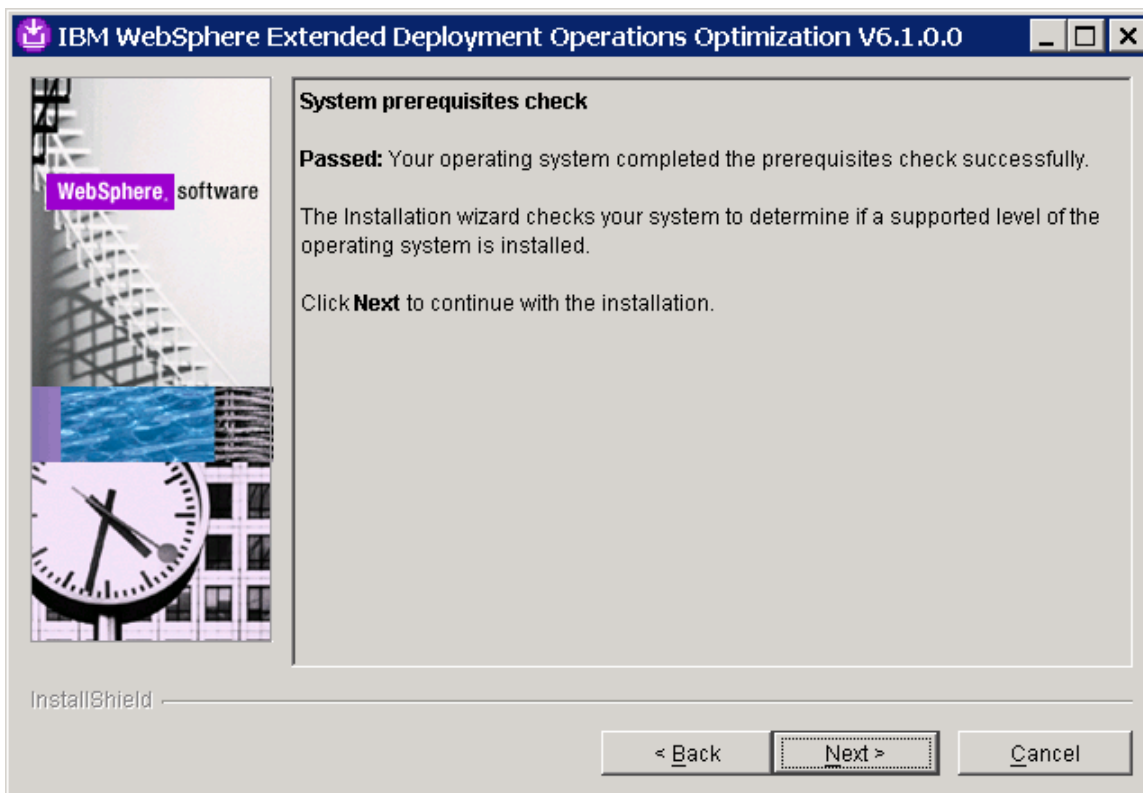


### Welcome screen

Click "Next" and the system prerequisites check panel will appear.

# IBM WebSphere Extended Deployment V6.1

– Getting started guide –

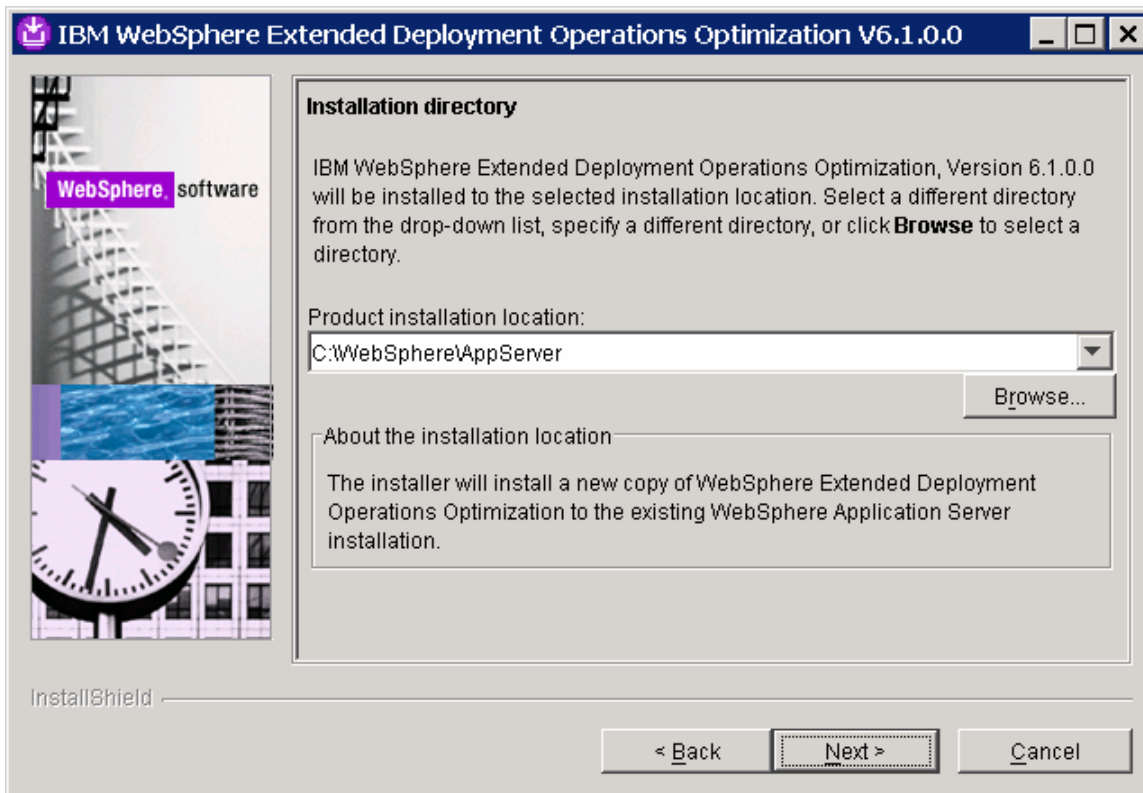


## System prerequisites check

The installation prerequisites will be checked. If you meet the required prerequisites, click “Next” and the product selection panel will appear.

# IBM WebSphere Extended Deployment V6.1

– Getting started guide –



## Installation Location

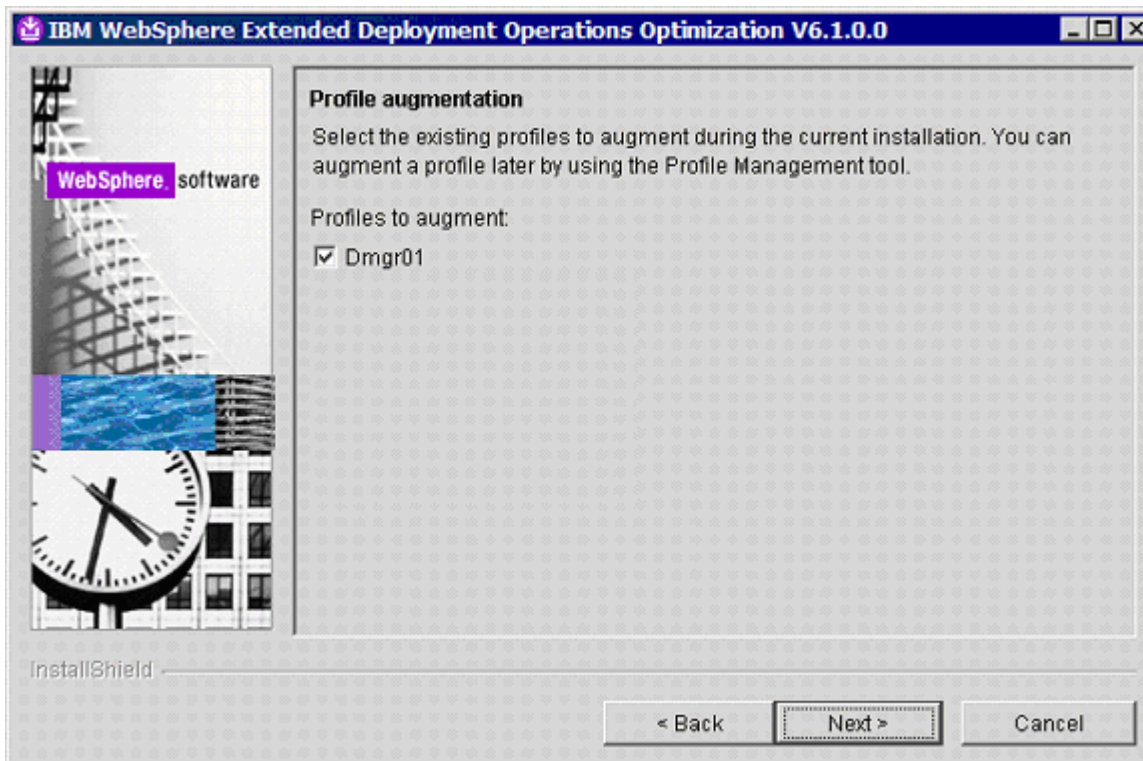
If the Virtual Enterprise (formerly Operations Optimization) package is installed in an environment without IBM WebSphere Network Deployment (for example, if you point to a directory path that is not an IBM WebSphere Network Deployment installation), the installation wizard will install the IBM WebSphere Extended Deployment agent which contains a subset of the Virtual Enterprise functionality. The agent can later be federated into an IBM WebSphere Extended Deployment cell. These instructions depict the installation of WebSphere Virtual Enterprise within an IBM WebSphere Network Deployment cell with federated profiles.

Select the <WAS\_HOME> directory where WebSphere Network Deployment node is installed. If your WebSphere Network Deployment installation directory is not listed, use the Browse button to select the target directory. Click "Next".

IBM WebSphere Virtual Enterprise will augment existing profiles as part of the installation process, or you can use the V6.1 profile management tool to augment profiles after the installation has been completed. After the installation of WebSphere Extended Deployment, remember to augment any newly defined profiles with the V6.1 profile management tool if you want them to have Extended Deployment functionality.

# IBM WebSphere Extended Deployment V6.1

– Getting started guide –



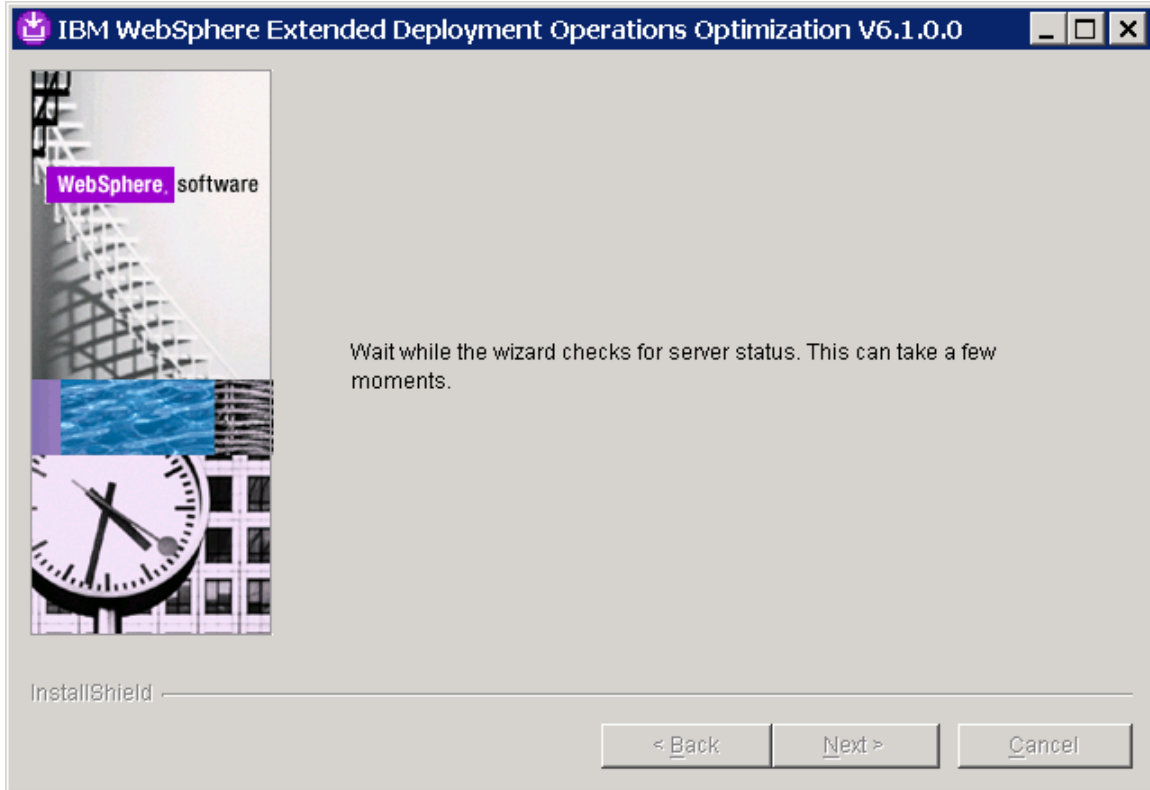
## Profile augmentation

On the “Profile augmentation” panel, select the existing profiles to be augmented by the current installation. In most cases you will want to augment all profiles on a node. You can augment a profile later using the V6.1 profile management tool. The deployment manager and on-demand router profiles *must* be augmented to work with Extended Deployment.

The custom (or application server) profiles must be augmented to take advantage of WebSphere Extended Deployment functionality. In the example above, the deployment manager, the on-demand router node, and two application server nodes are all within the same WebSphere Application Server Network Deployment installation, so the Extended Deployment installation lists those profiles. Click “Next”.

# IBM WebSphere Extended Deployment V6.1

– Getting started guide –

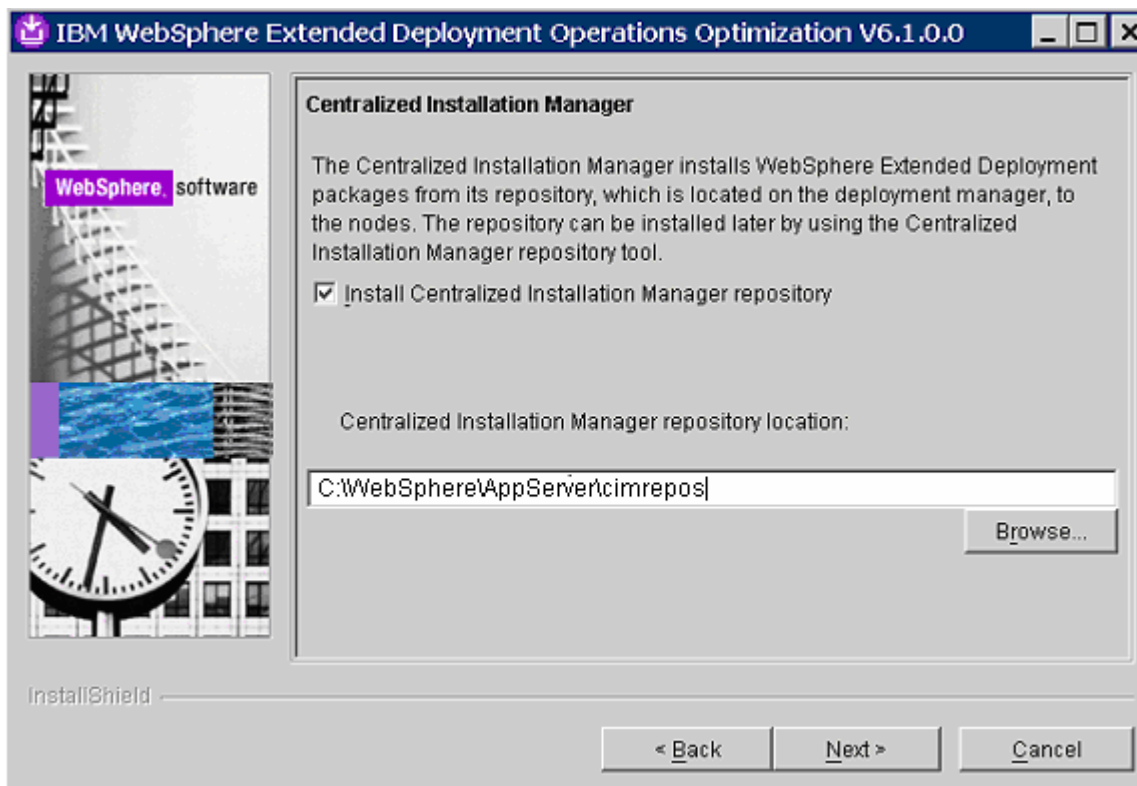


## Server status

The installation process checks to ensure that no WebSphere processes are running before continuing. An information message is displayed after this check is completed and if no WebSphere processes are running, the next screen will display.

# IBM WebSphere Extended Deployment V6.1

– Getting started guide –



## Centralized installation manager

The centralized installation manager is a facility that allows you greater flexibility with IBM WebSphere Extended Deployment installation packages. Select “Install Centralized Installation Manager repository” so you can later review its features.

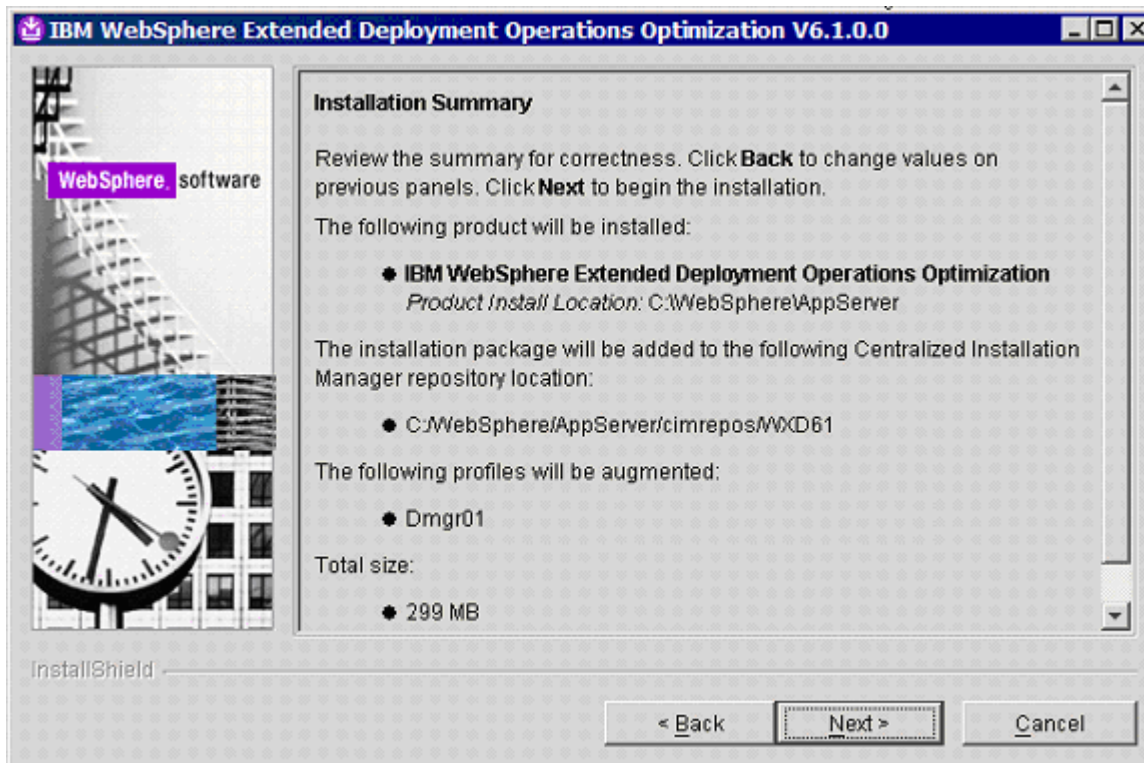
The repository should be installed only on the deployment manager node. For subsequent component installations on the deployment manager node, you should also select “Install Centralized Installation Manager repository” when this same panel is presented, so that the installation images for these components will be placed in the repository.

Use the default location provided (**C:\WebSphere\AppServer\cimrepos**), or specify your own repository location. WebSphere Extended Deployment automatically will create a subdirectory called **WXD61** for the Extended Deployment related component images.



# IBM WebSphere Extended Deployment V6.1

– Getting started guide –



## Installation summary

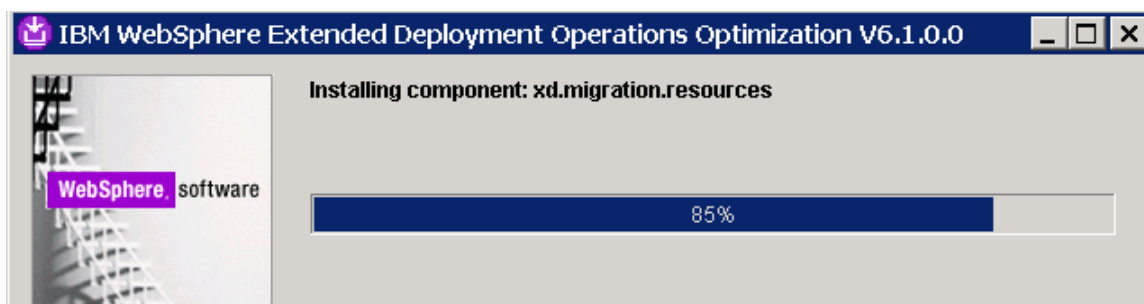
This screen appears to summarize your installation options. Click “Next”.

The WebSphere Virtual Enterprise (formerly Operations Optimization) installation will begin...

The installation process is depicted with a progress bar.

**One of the final tasks - the augmentation of the profiles - can take up to 5 minutes per profile and the progress bar will show 100 percent completion while the augmentation is taking place.**

If you chose to install the centralized installation manager, you will then see a progress screen while that function is being installed and while component images are being copied to the repository.

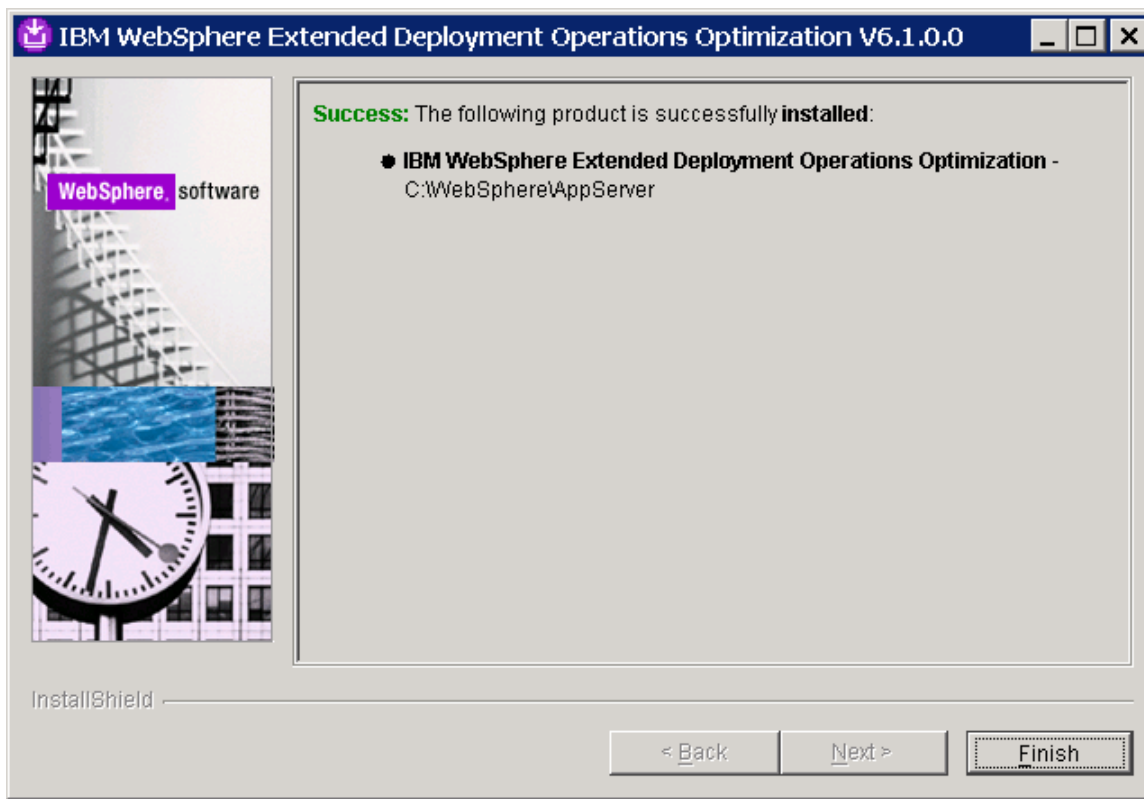




# IBM WebSphere Extended Deployment V6.1

– Getting started guide –

Installation progress bar



Successful installation

Click **Finish** to complete the installation of WebSphere Virtual Enterprise.

11. Install Extended Deployment 6.1 compute grid on all of the nodes where the compute grid functionality is needed.
  - a. Locate the compute grid install image.
  - b. Invoke installation program *install* from this directory.
  - c. Proceed through the panel flow for the installation of compute grid as you did when installing WebSphere Virtual Enterprise. Note that the installation title bar indicates the component being installed throughout the process. If you check the “Install Centralized Installation Manager repository”, the repository path you previously typed in is automatically filled it for you.

### Notes for compute grid:

The compute grid can be installed in a Network Deployment environment without WebSphere Virtual Enterprise, or it can be installed together with the WebSphere Virtual Enterprise, which is how these instructions are designed. During installation, select the <WAS\_HOME> directory where the WebSphere Virtual

# IBM WebSphere Extended Deployment V6.1

## – Getting started guide –

Enterprise is installed. If your installation directory is not listed, use the Browse button to select the target directory.

IBM WebSphere Extended Deployment 6.1 compute grid will augment existing profiles as part of the installation process, or you can use the V6.1 profile management tool to augment profiles after installation has completed. After the installation of WebSphere Extended Deployment, remember to augment any newly defined profiles with the V6.1 profile management tool if you want them to have Extended Deployment functionality.

**One of the final tasks - the augmentation of the profiles - can take up to 3 minutes per profile and the progress bar will show 100 percent completion while the augmentation is taking place.**

If you chose to install the centralized installation manager, you will also see a progress screen while that is being installed.

If you specify an installation directory that does not contain a WebSphere Application Server installation, it will install the compute grid libraries and the middleware agent for compute grid.

12. Install WebSphere eXtreme Scale on all of the nodes.

- a. Locate the WebSphere eXtreme Scale installation image,.
- b. Invoke installation program *install* from this directory.
- c. Proceed through the panel flow for the installation of WebSphere eXtreme Scale as you did when installing compute grid. Note that the installation title bar indicates the component being installed throughout the process. If you check the “Install Centralized Installation Manager repository”, the repository path you previously typed in is automatically filled it for you.

### Notes for WebSphere eXtreme Scale:

WebSphere eXtreme Scale can be installed in a Network Deployment environment with no other Extended Deployment components, or it can be installed together with other Extended Deployment components, which is how these instructions are designed. During installation, select the <WAS\_HOME> directory where the WebSphere Virtual Enterprise and compute grid are installed. If your install directory is not listed, use the Browse button to select the target directory.

# IBM WebSphere Extended Deployment V6.1

## – Getting started guide –

WebSphere eXtreme Scale will augment existing profiles as part of the installation process, or you can use the V6.1 profile management tool to augment profiles after installation has completed. After the installation of WebSphere Extended Deployment, remember to augment any newly defined profiles with the V6.1 profile management tool if you want them to have Extended Deployment functionality.

**One of the final tasks - the augmentation of the profiles - can take up to 5 minutes per profile and the progress bar will show 100 percent completion while the augmentation is taking place.**

If you chose to install the centralized installation manager, you will also see a progress screen while that is being installed.

If you specify an installation directory that does not contain a WebSphere Application Server installation, it will install the WebSphere eXtreme Scale libraries and the middleware agent for WebSphere eXtreme Scale.

**Note:** If you have existing profiles that you did not augment as part of the WebSphere Extended Deployment install and want to enable Extended Deployment features for these profiles, you must augment the profiles to include the Extended Deployment support you want. After Extended Deployment is installed, you can use the V6.1 profile management tool to augment the profiles for WebSphere Virtual Enterprise, WebSphere Extended Deployment Compute Grid or WebSphere eXtreme Scale. In addition, the V6.1 profile management tool will create new profiles with the augmentation that you specify.

### 13. Install any Extended Deployment interim fixes

The latest Extended Deployment interim fixes are available at:

<http://www-306.ibm.com/software/webservers/appserv/extend/support/>

Click on APARs, then add additional search terms “610”

Stop all WebSphere processes on the deployment manager node and use the V6.1.0.9 update installer to install the fixes on the deployment manager node (the node where the centralized installation manager is running).

### 14. Start the deployment manager

**startManager** (from the bin directory of the deployment manager profile)

### 15. Start the node agents on the application server nodes and the on-demand router node

**startNode** (from the bin directory of the application server or on-demand router profiles)

# IBM WebSphere Extended Deployment V6.1

## – Getting started guide –

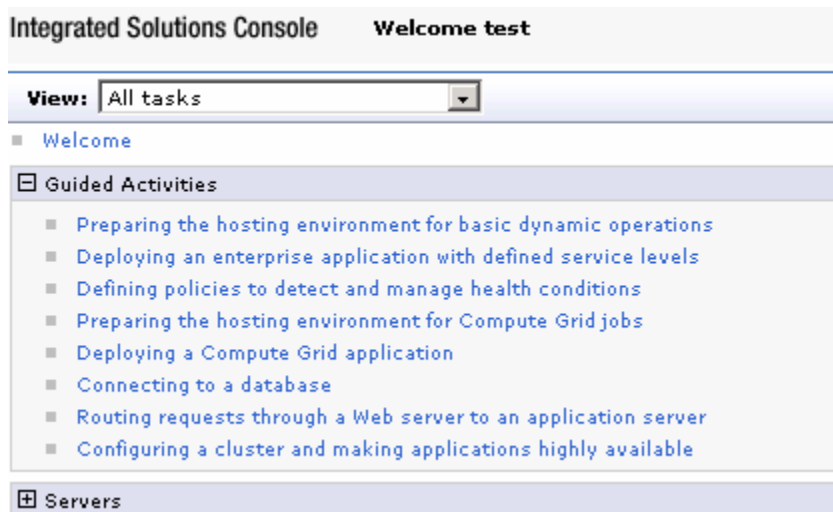
16. On the *deployment manager node*, run the following command from the *bin* directory of the WebSphere Application Server installation (<WAS\_HOME>/bin) to create an on-demand router server named “odr” to run on the on-demand router node:

```
wsadmin -f createodr.jacl <ODRNode>
```

Where <ODRNode> is the name of the node where the on-demand router server will run. The output should look like this:

```
WASX7209I: Connected to process "dmgr" on node dmgr using SOAP connector; The type of
process is: DeploymentManager
WASX7303I: The following options are passed to the scripting environment and are available as
argument that is stored in the argv variable: "[N4Node]"
createodr: checking for existence of node N4Node
createodr: checking to see if server odr is already configured on node N4Node
createodr: checking to see if the nodeagent server mbean is available
createodr: Node type verified as an XD node
createodr: creating a server odr .....
createodr: saving the configuration
createodr: Invoking synchronization for node
WebSphere:name=nodeSync,process=nodeagent,platform=common,node=N4Node,diagnosticProv
ider=true,version=6.1.0.9,type=nodeSync,mbeanIdentifier=nodeSync,cell=dmgrCell,spec=1.0
because serverStartupSyncEnabled is set to false...
createodr: Done with synchronization.
createodr: done.
```

You have completed the installation of WebSphere Extended Deployment 6.1. You are now ready to configure the system. Basic configuration steps are described in the WebSphere administrative console under “Guided Activities”



# IBM WebSphere Extended Deployment V6.1

– Getting started guide –

## Installing the middleware agent for non-WebSphere nodes

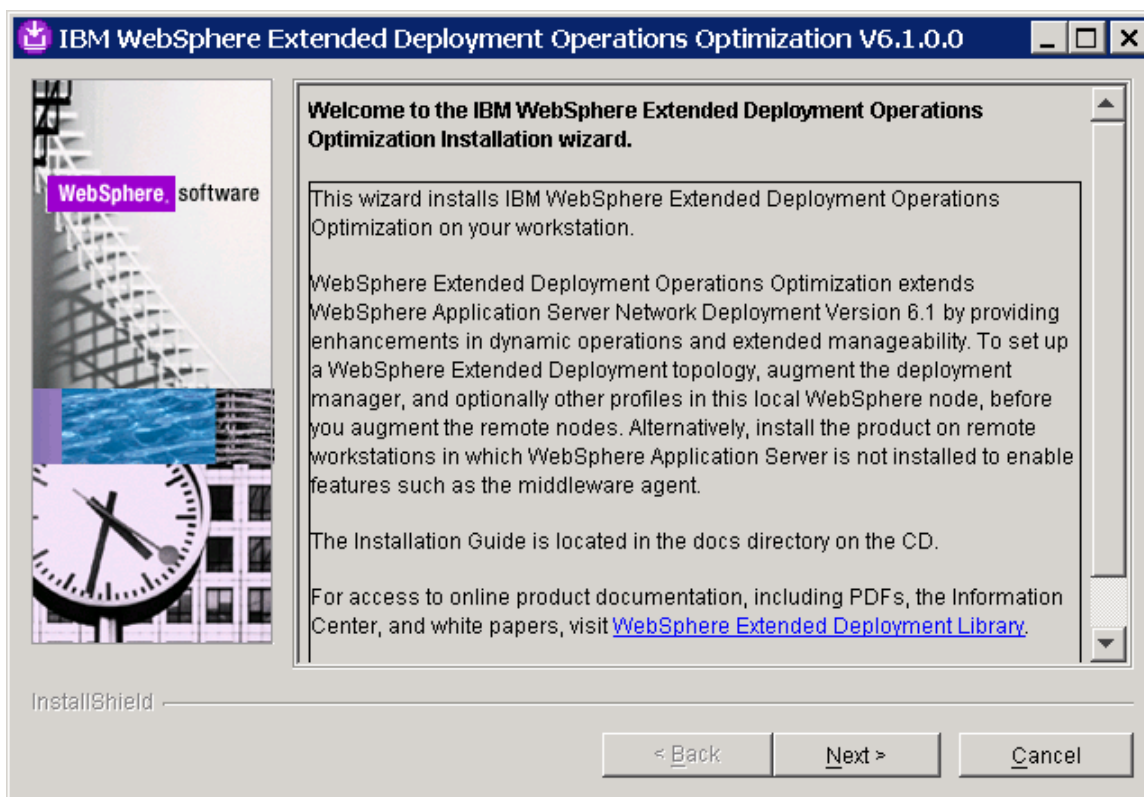
There are several ways to install the middleware agent, traditional installation from your installation media, or through the centralized installation manager.

### *Using installation media*

Perform this install on any nodes that will be used to host non-WebSphere middleware, such as Apache Tomcat, and do not contain a WebSphere Application Server installation. Note that the WebSphere Extended Deployment node agent contains all of the middleware agent functionality, so it is not necessary to install a separate agent on these nodes.

1. Using your Extended Deployment Operations Optimization installation media, invoke the WebSphere Virtual Enterprise installation program.

The panel flow is shown in the next few pages.

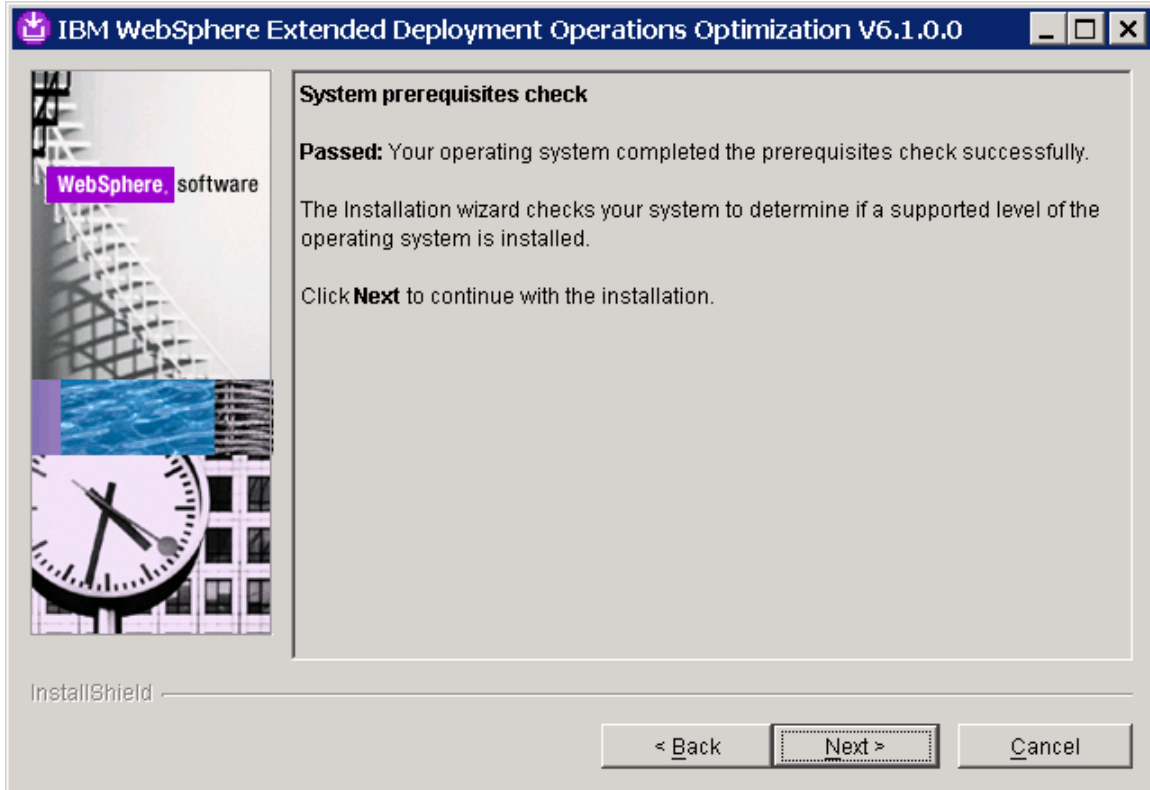


Welcome screen

Click "Next" and the "System prerequisites check" panel will appear.

# IBM WebSphere Extended Deployment V6.1

– Getting started guide –

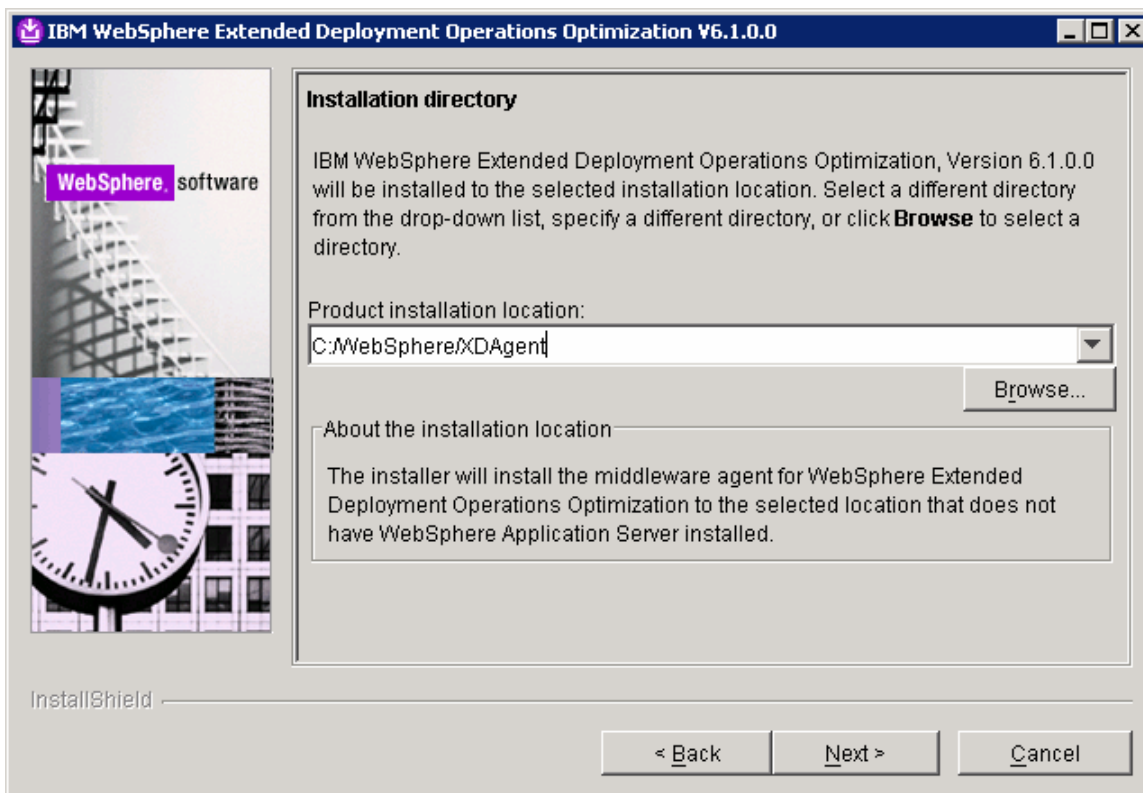


## System prerequisites check

The installation prerequisites will be checked. If you meet the required prerequisites, click "Next" and the product selection panel will appear

# IBM WebSphere Extended Deployment V6.1

– Getting started guide –



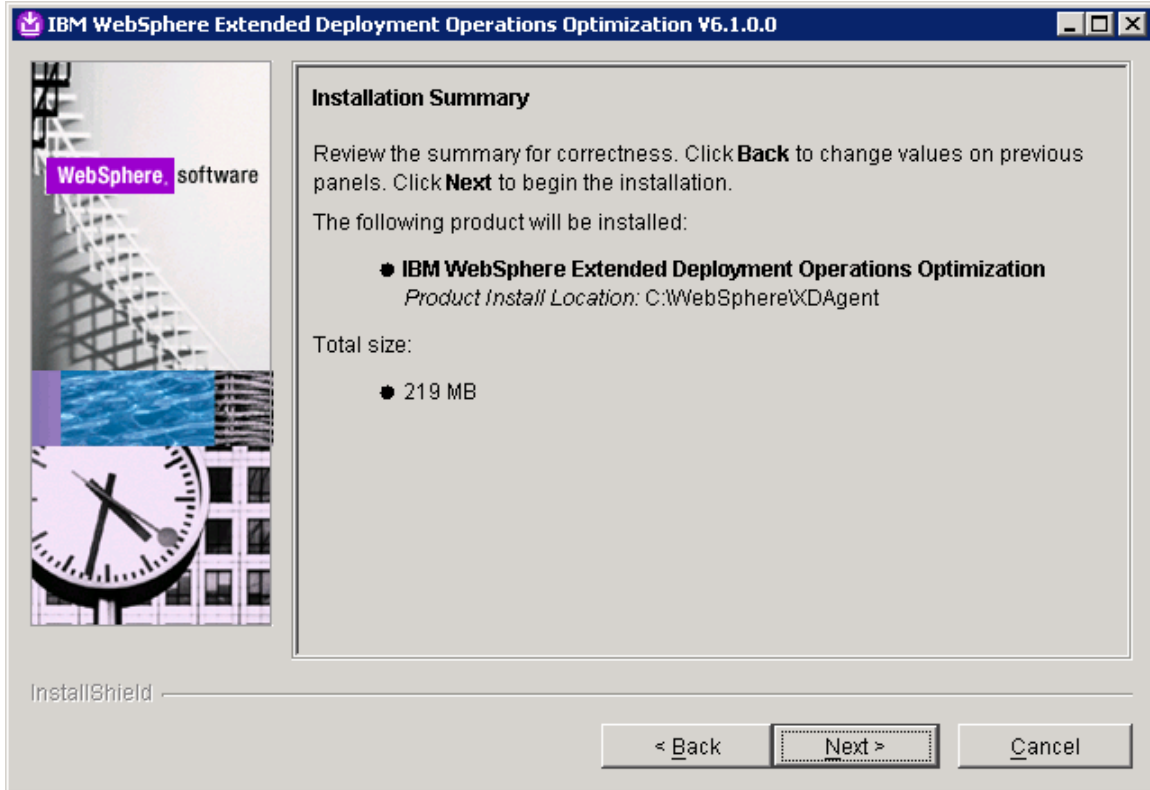
## Installation location

If WebSphere Virtual Enterprise is installed using a directory that is not a WebSphere Network Deployment installation, the installation wizard will install the WebSphere Extended Deployment agent, which contains a subset of the WebSphere Virtual Enterprise functionality.

Type in **C:\WebSphere\XDAgent**, or type in the directory path of your choice, or use the Browse button to select the target directory (do not choose a WebSphere Network Deployment installation path if you want only the middleware agent to be installed). Click “Next”.

# IBM WebSphere Extended Deployment V6.1

– Getting started guide –



## Installation Summary

This screen appears to summarize your installation options. Click "Next".

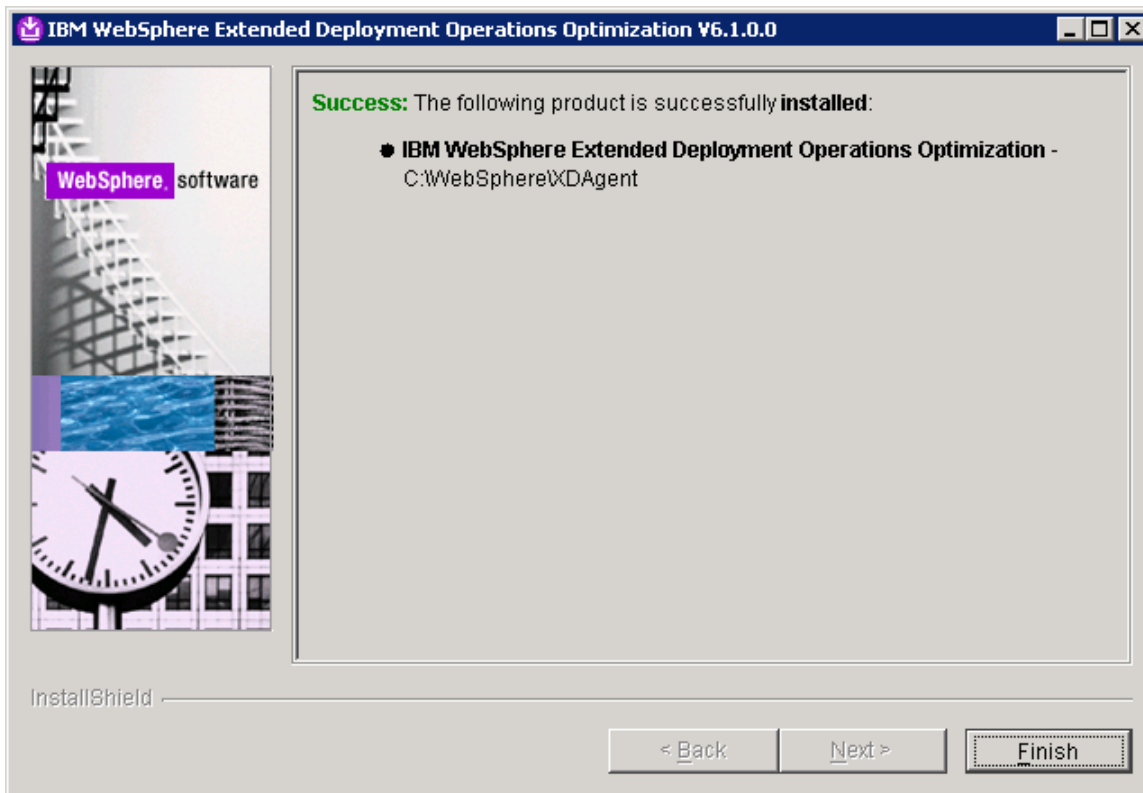
The WebSphere Virtual Enterprise installation will begin the installation of the middleware agent.

The installation process is depicted with a progress bar.



# IBM WebSphere Extended Deployment V6.1

– Getting started guide –



## Successful Installation

Click **Finish** to complete the installation of middleware agent.

2. Navigate to the **bin** directory for the middleware agent (for instance, **C:\WebSphere\XDAgent\bin**)
3. Create and federate the agent with the deployment manager using the command:  
**addAgent -host <dmgr\_host> -port 9060**
4. Start the agent using the command:  
**startAgent**

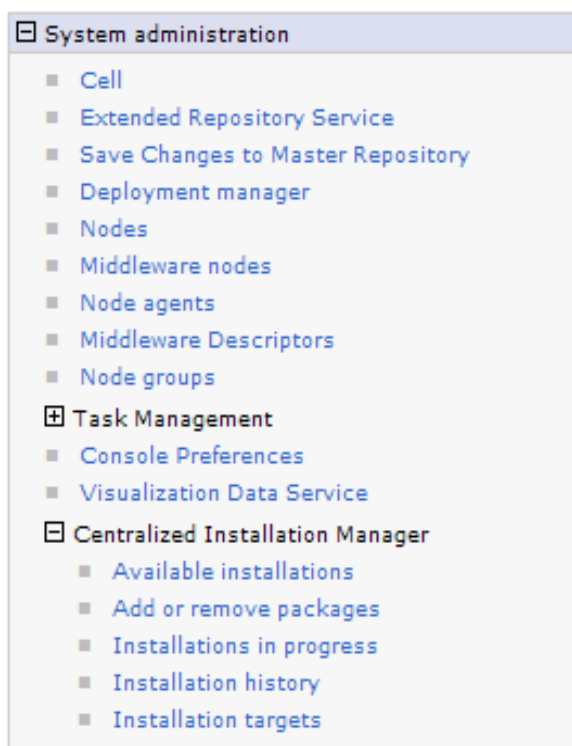
# IBM WebSphere Extended Deployment V6.1

– Getting started guide –

## *Using the centralized installation manager*

Alternately, you can use the centralized installation manager if you installed the Extended Deployment interim fix for PK45879 (required if you plan to use the centralized installation manager). This does not require any WebSphere code on the target node before installing the agent. Instructions for using the centralized installation manager are included in the IBM WebSphere Extended Deployment information center. The instructions below assume that you elected to install the centralized installation manager repository during the product installation described above.

1. Expand **System administration**, and then expand **Centralized Installation Manager**.



- a. Click on **Installation targets**
- b. Click on **Add Installation Target**.
- c. Provide the information in the wizard to identify the non-WebSphere node, the administrator or root ID and password, and the target operating system.
- d. Save the information and sync to all nodes.

## IBM WebSphere Extended Deployment V6.1

– Getting started guide –

2. Under **Centralized Installation Manager** and click on **Available installations**.
  - a. Select a package type – **“Product install”**
  - b. Select an installation package – **“WebSphere Extended Deployment middleware agent for non WebSphere servers – 6.1”**

**Available Installations**

Use this page to view the available WebSphere installation packages in this cell. Select a package type first, and select an installation package next. Select one or more features or maintenance packs if applicable.

To start the installation, click **Show installation targets** to display the applicable installation targets. Select one or more targets and click **Install** to launch the Installation Wizard. To start the uninstallation, click **Show uninstallation targets** to display the applicable uninstallation targets. Select one or more targets and click **Uninstall** to launch the Uninstallation Wizard.

\* Select a package type

\* Select an installation package  
  [Add or Remove Packages](#)

- c. Click **Show installation targets**.
  - d. Select the node you previously added as an installation target and click the **“Install”** button at the upper left of the list.
  - e. Follow the wizard steps to accept the license, to identify the administration or root user name and password, to accept or modify the installation location for the agent, and to either enable or disable operating system prerequisite checking.
 

**Note:** The “Disable Operating System Prerequisite Checking” is required when you have installed relatively new levels of the operating system or new levels of operating system maintenance on the target node.
  - f. Click on “Finish” to submit the installation
3. Under **Centralized Installation Manager**, click on **“Installations in progress”**. The progress of the installation of the agent will appear here until it completes.

# IBM WebSphere Extended Deployment V6.1

– Getting started guide –

4. Under **Centralized Installation Manager**, click on “**Installation history**”. Once the installation completes, the completion status and the related log files will appear here. A successful installation means that the centralized installation manager has installed the code on the target host and has federated and started the agent.
5. Expand **System administration** and click on “**Middleware nodes**”. The newly added agent should appear in this list, named with the target node local host name.

Your middleware agent is now installed and ready to manage non-WebSphere servers.