



IBM Software Group

# IBM WebSphere® Process Server V6.0.2

## *Installation and upgrade*



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This presentation will cover installation of WebSphere Process Server V6.0.2.

## Goals

- Discuss installation of WebSphere Process Server V6.0.2
  - ▶ Cover an overview and initial install information
  - ▶ Step through installation flow discussing information on each installation screen, including uninstall
  - ▶ Discuss troubleshooting topics like known limitations, best practices, and debugging and logging information

The goal is to provide an overview of initial installation information, then step through an installation flow discussing information on each installation screen, including uninstalling. Troubleshooting topics such as known limitations, best practices, and debugging and logging information will also be discussed.

## Agenda

- Installation overview
- New installation of WebSphere Process Server V6.0.2
- Upgrade WebSphere Process Server V6.0 to V6.0.2
- Troubleshooting
- Summary

This section will provide an overview of the installation process.

## Installation overview

- WebSphere Process Server V6.0.2 installer
  - ▶ Based on InstallShield MultiPlatform
  - ▶ Supports interactive and 'silent' installation
- New Install of WebSphere Process Server V6.0.2
  - ▶ Complete installation
    - Discussed in this presentation
  - ▶ Custom installation
    - Also discussed in this presentation, but profile creation discussed in a separate Profile Creation Wizard presentation
- Upgrade WebSphere Process Server V6.0 to V6.0.2
  - ▶ Update previous versions of WebSphere Process Server V6.0 to V6.0.2



The WebSphere Process Server V6.0.2 installer is an InstallShield MultiPlatform based installer that supports interactive and silent installs. There are two different types of installations available for setting up WebSphere Process Server V6.0.2 environment. The new installation of the WebSphere Process Server environment includes complete installation, which is covered in detail by this presentation, and custom installation. Custom installation is also discussed in this presentation, but profile creation is discussed in a separate Profile Creation Wizard presentation. The second installation type describes the process for updating the existing versions of WebSphere Process Server V6.0 to V6.0.2 using the refresh pack.

## Silent installation

- Install wizard and profile wizard can be invoked silently
- Silent installation can be linked to silent profile wizard invocation
- Sample response file is shipped on the CD and ESD image
  - ▶ Supports custom install only
  - ▶ Can be easily modified

There is silent installation support for WebSphere Process Server V6.0.2. A sample response file is shipped on the CD and ESD image, allowing you to create custom silent installation scripts. It supports custom installation only and can be easily modified.

## Section

# ***New installation of WebSphere Process Server V6.0.2***

This section will provide an overview of the installation process.

## Typical flow

- Typical flow of WebSphere Process Server install
  - ▶ Welcome screen
  - ▶ License acceptance screen
  - ▶ System prerequisites check screen
  - ▶ Existing WebSphere Process Server detection screen
  - ▶ Existing WebSphere Application Server or WebSphere Application Server Network Deployment detection screen
  - ▶ Installation root directory screen
  - ▶ Installation type selection screen
  - ▶ Feature selection screen
  - ▶ Installation summary screen
  - ▶ Finish screen



A typical sequence of WebSphere Process Server V6.0.2 installation screen is shown here. The first one is the welcome screen, which always leads into the license acceptance screen. Then the installer will do a system prerequisites check similar to WebSphere Application Server. Then the installer will check for existing WebSphere Application Server or WebSphere Application Server Network Deployment or WebSphere Process Server installations. The next step prompts you for the WebSphere Process Server V6.0.2 installation root directory. Next you will be asked to choose between two installation types, Complete and Custom, in the installation type selection screen. The custom installation provides a feature selection screen. However, both types will show an installation summary screen before installing the server. The last screen is the finish screen, where you will be prompted to open the First Steps or Profile Creation Wizard.

## System prerequisites check



### System prerequisites check

The Installation Wizard checks your system to determine whether a supported operating system is running and whether the operating system has the appropriate service packs and patches. After checking prerequisites, the Installation Wizard checks for existing WebSphere Application Server and WebSphere Process Server products.

Your system completed the prerequisites check successfully.

- Prerequisite check similar to WebSphere Application Server install
  - ▶ Checks for supported OS levels
  - ▶ Checks for required fix packs, service packs or patches
  - ▶ Does NOT check for
    - Minimum memory or processor requirements
    - Minimum disk space requirements
    - Any other required software
  - ▶ Will allow installation to proceed after warning even if check fails

The welcome and license acceptance screens are self explanatory. On the System Prerequisite check screen, the installer does a prerequisite check similar to WebSphere Application Server installation, checking for supported OS levels, required fix packs, service packs or patches. However, it does not check for minimum memory or processor requirements, minimum disk space requirements, or any other required software at this time. Even if this check fails, installation is allowed to proceed.



## Installation detections

- Installation will detect existing installations of:
  - ▶ WebSphere Application Server
  - ▶ WebSphere Application Server Network Deployment
  - ▶ other WebSphere Process Servers
- You can choose to
  - ▶ Install a new copy of WebSphere Process Server 6.0.2
  - ▶ Add new features to existing installation (incremental installation)
    - Feature selection screen presented
    - Previously installed features will be listed as “(installed)”
    - Previously installed features cannot be uninstalled, even if the check box is cleared
  - ▶ Launch the Profile Wizard for an existing installation to create a new profile or augment an existing profile

In the installation detections screen, the installer will detect existing installations of WebSphere Application Server, WebSphere Application Server Network Deployment, and WebSphere Process Server. You can choose to install a new copy of WebSphere Process Server 6.0.2, add new features to an existing installation (incremental installation), or launch the Profile Wizard for an existing installation to create a new profile or augment an existing profile.

With the incremental installation, the feature selection screen is presented and previously installed features will be listed as “(installed)” though they cannot be uninstalled, even if the check box is cleared.

## Installing over WebSphere Application Server

- Existing installation detection screen is displayed if
  - ▶ Existing WebSphere Application Server or WebSphere Application Server Network Deployment 6.0 installation is detected
  - ▶ There is not already a copy of WebSphere Process Server 6.0.2 installed over the detected WebSphere Application Server or WebSphere Application Server Network Deployment
- You can choose to:
  - ▶ Install on top of detected WebSphere Application Server or WebSphere Application Server Network Deployment or
  - ▶ Install a new copy of WebSphere Application Server Network Deployment
- If you install WebSphere Process Server over WebSphere Application Server or WebSphere Application Server Network Deployment
  - ▶ Disable global security of WebSphere Application Server or WebSphere Application Server Network Deployment V6.0
  - ▶ Existing version of WebSphere Application Server will be moved up to the proper service level (6.0.2.17) as part of the installation

The existing installation detection screen is displayed when an existing WebSphere Application Server or WebSphere Application Server Network Deployment V6.0 installation is detected or when there is not already a copy of WebSphere Process Server V6.0.2 installed over the detected WebSphere Application Server or WebSphere Application Server Network Deployment.

You can choose to install on top of a detected WebSphere Application Server or WebSphere Application Server Network Deployment, or to install a new copy of WebSphere Application Server Network Deployment.

If you choose to install WebSphere Process Server over an existing installation of WebSphere Application Server or WebSphere Application Server Network Deployment, you must ensure that the global security of WebSphere Application Server or WebSphere Application Server Network Deployment V6.0 has been disabled. Note that the existing version of WebSphere Application Server will be moved up to the proper service level (6.0.2.17) as part of the installation.

## Installing stand-alone WebSphere Process Server

- WebSphere Process Server V6.0.2 installation includes WebSphere Application Server Network Deployment 6.0.2.17
  - ▶ WebSphere Process Server install will silently install this version of WebSphere Application Server Network Deployment
  - ▶ Both WebSphere Process Server and WebSphere Application Server Network Deployment are installed into the same install location
  - ▶ Install summary screen displays disk space requirements for both WebSphere Process Server and WebSphere Application Server Network Deployment
- If the samples feature is selected then WebSphere Application Server samples are also installed

If you are installing a stand-alone WebSphere Process Server V6.0.2, the installation includes WebSphere Application Server Network Deployment 6.0.2.17, and will silently install this version of WebSphere Application Server Network Deployment. Both WebSphere Process Server and WebSphere Application Server Network Deployment are installed at the same location. The installation summary screen displays disk space requirements for both WebSphere Process Server and WebSphere Application Server Network Deployment. If you select the WebSphere Process Server samples feature, the WebSphere Application Server Network Deployment samples are also installed.

## Installation root directory

- Install close to the root directory
  - ▶ Short installation path is less likely to run into the 256 character path limit
- Try not to use spaces or non-letter characters in the path name
- Examples:
  - ▶ C:\ProcServer
  - ▶ C:\WPRCS601



At the Installation Root directory screen, you will be prompted for the WebSphere Process Server installation root. Install as close to the system root directory as possible. With a shorter path, you are less likely to run into the 256 character path limit. Try not to use spaces or non-alpha characters in the path name.

## Complete installation

Complete installation



Everything needed to start running your WebSphere Process Server is installed. See the installation information for descriptions of the default configuration settings used during a Complete installation.

Custom installation



More flexibility provided for component installation, with the option to launch the Profile Wizard. See the installation information for descriptions of the product features you can install and configure.

### ■ Complete installation

- ▶ Installs default features (samples and Javadoc™)
- ▶ Silently creates a default stand-alone process server profile
- ▶ Selects defaults for all profile wizard screens and does not provide an option to run the profile wizard
- ▶ Finish screen allows launch of First Steps page



For the complete installation, the default features, including Samples and Javadoc, are installed. It silently creates a default stand-alone process server profile which selects all the defaults for the profile wizard screens and does not provide an option to run the profile wizard. The finish screen allows launch of the First Steps page. A complete installation can take over an hour depending on system specifications.

## Custom installation

Select IBM WebSphere Process Server for Multiplatforms 6.0 features to install.

- Product Installation
  - Business Rule Beans (Deprecated)
  - Extended Messaging (Deprecated)
  - Sample Applications Gallery
  - Public API Javadoc(TM)

- Custom installation
  - ▶ Select from four installable features
    - Samples, JavaDoc
    - Extended Messaging, Business Rule Beans (both deprecated in V6.0)
  - ▶ Selection of Samples will also cause WebSphere Application Server Network Deployment Samples to be installed
  - ▶ Does not create a default profile
  - ▶ Finish screen (last screen) allows launch of the Profile Wizard
  - ▶ Profile setup discussed in Profile Creation Wizard presentation

The custom installation allows you to select four features. Samples and JavaDoc are installed by default by the Complete Installation. Both Extended Messaging and Business Rule Beans will run on 6.0, but do not have creation support. Selecting Samples will also cause WebSphere Network Deployment Samples to be installed.

Most installations should be Custom installations. A Custom installation does not create a default profile, but launches the Profile Creation Wizard from the finish screen. The WebSphere Process Server Profile needs more details than a WebSphere Profile, which is the reason for suggesting a Custom install. Profile setup is discussed in the Profile Creation Wizard presentation.

Custom installation will take less time since a default profile is not created. However, a profile is needed to start the server.

## Installation summary screen

- Lists out features to be installed
- Lists out and checks for available disk space
- Also checks for available temporary disk space on UNIX<sup>®</sup> and Linux<sup>®</sup> systems
  - ▶ Does not check for this on Windows<sup>®</sup>
- Includes space needed for the umbrella WebSphere Application Server Network Deployment install (when performed)
- Includes space needed for default profile for Complete installs

The installation summary screen lists the features to be installed and checks for available temporary disk space on UNIX and Linux systems. This check is not performed on Windows systems. The check includes space needed for the umbrella WebSphere Application Server Network Deployment installation (when performed) and the default profile for Complete installations.

## Section

# ***Upgrade WebSphere Process Server V6.0 to V6.0.2***

This section will provide an overview of upgrading your existing installation of WebSphere Process Server V6.0 to V6.0.2



## Update existing installation

- Upgrade existing WebSphere Process Server V6.0 installation
  - ▶ Containing just stand-alone profiles to V6.0.2
  - ▶ Network Deployment environment with no clusters to V6.0.2
  - ▶ Network Deployment environment with clusters to V6.0.2
  - ▶ Network Deployment environment with clusters to V6.0.2 with minimum downtime



To upgrade your existing 6.0 version to 6.0.2, you can make use of the refresh pack to upgrade your setup.

The scenarios for the upgrade are listed on this slide.

## Update installer flow

- Back up configuration files
- Stop all Java processes related to WebSphere Enterprise Service Bus or WebSphere Process Server product
- Download and Unzip the package directly into the *<install\_root>* directory.
- *updateWPS-WESB-6020* script can be used to silently installing all of the included maintenance
  - ▶ .bat or .sh depending on OS
  - ▶ located under *<install\_root>/updateinstaller*.

This slide and the next one show the steps involved in using the update installer to update your existing WebSphere Process Server V6.0 environment to V6.0.2.

Note that you can upgrade from any version of 6.0.1.0 through 6.0.1.4 to version 6.0.2. Upgrading from 6.0.0 requires first upgrading to 6.0.1.

Before you start the upgrade process, use the “backupconfig” command to backup the existing profiles configuration data. Profiles will be modified during the upgrade process, and the backed up profile will need to be restored if the service is later uninstalled.

Stop all the Java processes related to WebSphere Enterprise Service Bus or WebSphere Process Server products.

Run the script to upgrade silently, or use the installer to upgrade interactively.

## Update installer flow (cont.)

- The GUI installer installs the packages one at a time.
  - ▶ Re-launch the installer after the installation of each package.
  - ▶ You must install packages **in this order**. The package names vary slightly by operating system.
    - 6.0.2-WS-WAS-<platform>-FP0000017.pak
    - 6.0.2-WS-WASJavaSDK-<platform>-FP0000017.pak  
Note that this is a two-stage process. Follow the on screen instructions carefully for this package.
    - 6.0.2.11-WS-WAS-IFPK31745.pak
    - 6.0.2.13-WS-WAS-IFPK34465.pak
    - 6.0.2.17-WS-WAS-IFPK33358.pak
    - 6.0.2.18-WS-WAS-IFPK34001.pak
    - 6.0-WS-WPS-ESB-<platform>-RP0000002.pak
- See  
<install\_root>/updateinstaller/docs/readme\_updateinstaller.html for detailed information about using the update command



The installer installs the packages one at a time. When you are asked to enter the file name of the maintenance package, you must browse to find each package name, in the order shown here. The package names vary slightly by operating system. Relaunch the installer after the installation of each package.

Note that for any maintenance package that includes service to the SDK, the Update Installer copies the SDK and stops. Click Relaunch to start the Update Installer again. The Update Installer can then install the maintenance package.

After successfully completing the upgrade process, fix pack 17 should be applied to the underlying JDK, underlying WebSphere Application Service should be updated to 6.0.2.17 with appropriate ifixes applied and WebSphere Process Server V6.0 environment should be updated to V6.0.2.

## Upgrade WebSphere Process Server V6.0.1 with stand-alone profiles

### Main Flow

- Stop the application server.
- Install the version 6.0.2 Refresh Pack on the stand-alone installation.
  - ▶ Follow the steps described in Update Installer Flow
- Restart the application server.
- Repeat the above process for each installation that contains only stand-alone profiles

To update stand-alone profiles to version 6.0.2:

Stop all of the application servers.

Install the version 6.0.2 Refresh Pack on the installation that contains the stand-alone profiles, following the steps described for the update installer flow.

Restart all of the application servers.

## Network Deployment environment - no clusters

### Main Flow

- Stop all the servers on the deployment manager server installation
- Install the version 6.0.2 Refresh Pack on the deployment manager's installation
- Start the deployment manager server
- For each federated node that is not based off the same installation as the deployment manager, follow these steps:
  - ▶ Stop all servers (application servers and node agents)
  - ▶ Install the version 6.0.2 Refresh Pack on the node's installation
  - ▶ If the message "INSTCONFPARTIALSUCCESS" is returned
    - Check the <install\_root>/logs/wbi/WbiProfileUpgrade.log file for errors and fix the cause
    - On the federated node (not on the deployment manager), change directories to <install\_root>/util
    - For each profile with an error in WbiProfileUpgrade.log, run the following command  
**wsadmin -profileName <profileName> -f WbiProfileUpgrade.jacl**  
(WbiProfileUpgrade.jacl is in <install\_root>/util )
    - Restart all servers of the node

For updating your WebSphere Process Server 6.0.1 Network Deployment environment with no clusters to V6.0.2, you need to update the deployment manager first. This will update all the managed nodes and stand-alone profiles based on the same installation of deployment manager to V6.0.2. Start the deployment manager server.

Update all the installations for the federated nodes not based on the same installation of deployment manager. If you get the INSTCONFPARTIALSUCCESS message while upgrading an installation, check the WbiProfileUpgrade.log file for each profile in the installation, fix the errors, and run the script shown here.

## Network Deployment environment with clusters

### Main Flow

- Stop the deployment manager server
- Install the version 6.0.2 Refresh Pack on the deployment manager's installation
- Start the deployment manager server
- For each cluster,
  - ▶ Stop all cluster members
  - ▶ Install the version 6.0.2 Refresh Pack on all installations that host cluster members
  - ▶ If the message "INSTCONFPARTIALSUCCESS" is returned
    - Check the <install\_root>/logs/wbi/WbiProfileUpgrade.log file for errors and fix the cause
    - On the cluster member installation, change directories to <install\_root>/util
    - For each profile with an error in WbiProfileUpgrade.log, run:  
**wsadmin -profileName <profileName> -f WbiProfileUpgrade.jacl**
    - On the deployment manager, run:  
**wsadmin -profileName <profileName> -cluster <clusterName> -f WbiProfileUpgrade.jacl**
    - Restart all cluster members

This slide shows the steps for updating your WebSphere Process Server 6.0.1 Network Deployment environment with clusters defined.

Update the deployment manager first, then start the deployment manager server.

For each cluster, stop the cluster members. Update all of the installations that host the federated nodes and have at least one server that is part of the cluster.

If you get the INSTCONFPARTIALSUCCESS message while upgrading an installation, check the WbiProfileUpgrade.log file for each of the profiles in the installation, fix the errors, then follow the instructions listed here.

## Network Deployment environment with clusters, minimum downtime

### Main Flow

- Stop the deployment manager server
- Install the version 6.0.2 Refresh Pack on the deployment manager's installation
- Start the deployment manager server
- For each cluster,
  - ▶ Stop the first half cluster members
  - ▶ Install the version 6.0.2 Refresh Pack on all installations that host these cluster members
  - ▶ Do not restart the cluster members yet
  - ▶ If the message "INSTCONF PARTIAL SUCCESS" is returned
    - Check the `<install_root>/logs/wbi/WbiProfileUpgrade.log` file for errors and fix the cause
    - On the cluster member installation, change directories to `<install_root>/util`
    - For each profile with an error in `WbiProfileUpgrade.log`, run the following command
 

```
wsadmin -profileName <profileName> -f WbiProfileUpgrade.jacl
```
    - Stop the second half of cluster members. There is a short downtime which cannot be avoided
    - On the deployment manager, change directories to `<install_root>/util`, run the command
 

```
wsadmin -profileName <profileName> -cluster <clusterName> -f WbiProfileUpgrade.jacl
```
    - Restart the cluster members of those nodes where version 6.0.2 Refresh Pack has been installed
    - Install the version 6.0.2 Refresh Pack on the installations of the remaining cluster members and restart each one after the installation

To update with minimum downtime, update the deployment manager first, then start the deployment manager server.

These instructions assume that the deployment manager is on a system of its own, the cluster includes a minimum of two servers, each on its own system, and automatic node synchronization is enabled.

For each cluster:

- Stop the first half of the cluster members and update all the installations that host the federated nodes and have at least one stopped server that is part of the cluster.
- If you get partial success messages, follow the steps shown in the slide.
- Stop the second half of cluster members. There is a short downtime which cannot be avoided.
- Restart the first half of cluster members that you stopped previously.
- Install the version 6.0.2 Refresh Pack on the installations of the second half of the cluster members and restart each one after the installation.

## Uninstalling

- For WebSphere Process Server stand-alone installations (that were not installed on any existing WebSphere Application Server or WebSphere Application Server Network Deployment):
  - ▶ Provides option to uninstall the underlying WebSphere Application Server or WebSphere Application Server Network Deployment
  - ▶ By default, it will uninstall the underlying WebSphere Application Server or WebSphere Application Server Network Deployment
  - ▶ If the option is to keep the underlying install of WebSphere Application Server or WebSphere Application Server Network Deployment, any profiles that have been augmented by WebSphere Process Server will be un-augmented, as long as WebSphere Process Server is the last augmenter
  - ▶ If the option is to uninstall the underlying WebSphere Application Server or WebSphere Application Server Network Deployment, all profiles will be first unaugmented and then deleted
- Uninstall can be run silently

The uninstaller allows you to uninstall the underlying WebSphere Application Server or WebSphere Application Server Network Deployment. The underlying WebSphere Application Server Network Deployment will be selected for uninstallation by default if WebSphere Process Server was an umbrella installation. If you choose not to uninstall the underlying WebSphere Application Server, any profiles that have been augmented by WebSphere Process Server will be unaugmented as long as WebSphere Process Server is the last augmenter. If you choose to uninstall the underlying WebSphere Application Server, all profiles will be first unaugmented and then deleted. The uninstall process can also be run silently.



## Section

# *Troubleshooting*

This section covers troubleshooting, including known limitations, best practices, debug and logging information.

## Known limitations

- When installing WebSphere Process Server over an existing WebSphere Application Server installation, global security must be turned off
- Cannot augment an already federated custom WebSphere Process Server profile

There are several known limitations pointed out in the WebSphere Process Server readme and release notes. However, there are a few listed here.

Installing WebSphere Process Server over an existing WebSphere Application Server or WebSphere Application Server Network Deployment environment with global security enabled requires that the security must be turned off before installation starts.

A Custom WebSphere Process Server profile cannot be augmented if the custom node or profile is already federated with a deployment manager.

## Best practices

- Limit use of Complete install
  - ▶ Does not let user configure the profile
  - ▶ Selects all defaults
  - ▶ Use Custom install and run the Profile Wizard
- Use the Installation Guide from WebSphere Process Server V6.0.2 online Information Center
  - ▶ [http://publib.boulder.ibm.com/infocenter/dmndhelp/v6rxmx/topic/com.ibm.wsps.602.doc/welcome\\_wps.html](http://publib.boulder.ibm.com/infocenter/dmndhelp/v6rxmx/topic/com.ibm.wsps.602.doc/welcome_wps.html)
- If installation fails
  - ▶ Refer to Information Center when uninstalling any installed portions before reinstalling
    - Go to the following selection in the navigation panel:  
WebSphere Process Server for Multiplatforms 6.0 > Installing > Uninstalling the product > Preparing for reinstallation after a failed uninstallation.

Here are a few best practices, in addition to the information in the information center, readme, and release notes. Limit use of Complete installation since it does not let you configure the profile and it selects all the defaults for that profile. Instead, use “Custom” installation and run the Profile Wizard.

Always refer to the Installation Guide from WebSphere Process Server V6.0 online Information Center.

If the installation fails, refer to the Information Center when uninstalling any installed portions before reinstalling.

## Debugging installation errors

- Use collector.bat (very useful to IBM Support)
- The full set of files to immediately gather are:
  - ▶ <profilePath>/logs/\* (zip recursively)
  - ▶ <profilePath>/properties/\*
  - ▶ <INSTALL\_DIR>/logs/wasprofile/\*<profileName>\*
  - ▶ <INSTALL\_DIR>/logs/wbi/\*
  - ▶ <INSTALL\_DIR>properties/profileRegistry.xml
  - ▶ <INSTALL\_DIR>/properties/wasprofile.properties

To debug installation errors, gather the full set of files listed here. When working with IBM support, run collector.bat to collect all the necessary files to send.

## Installation logs

- log.txt
  - ▶ On Linux and UNIX platforms: <INSTALL\_DIR>/logs/wbi/log.txt
  - ▶ On Windows platforms: <INSTALL\_DIR>\logs\wbi\log.txt
  - ▶ Logs all installation events relating to WebSphere Process Server
  - ▶ **INSTCONFFAILED**
    - Total installation failure
  - ▶ **INSTCONFSUCCESS**
    - Successful installation
  - ▶ **INSTCONFPARTIALSUCCESS**
    - Installation errors occurred but the installation is still usable
    - Additional information in other log files identifies the errors

There is an install log named log.txt. On Linux, UNIX, and Windows platforms, this file can be found in <INSTALL\_DIR>/logs/wbi/log.txt. The log.txt contains all installation events relating to WebSphere Process Server. There are three possible results in the log.

INSTCONFFAILED means the installation failed.

INSTCONFSUCCESS means the installation was successful.

INSTCONFPARTIALSUCCESS means that errors occurred during the installation, but the installation is still usable. Additional information in other log files identifies the errors.

## Installation logs

### ▪ inst\_config.log

- ▶ On Linux and UNIX platforms: *install\_root*/logs/wbi/instconfig.log
- ▶ On Windows platforms: *install\_root*\logs\wbi\instconfig.log
- ▶ Logs configuration actions that run at the end of the installation process to configure components, install system applications, and create Windows shortcuts and registry entries.
- ▶ Contains a series of <record> elements that document the configuration actions. If a post-installation configuration action fails, text like the following appears in the log:

```
<record>
  <date>2005-05-26T11:41:17</date>
  <millis>1117132877344</millis>
  <sequence>742</sequence>
  <logger>com.ibm.ws.install.configmanager.ConfigManager</logger>
  <level>WARNING</level>
  <class>com.ibm.ws.install.configmanager.ConfigManager</class>
  <method>executeAllActionsFound</method>
  <thread>12</thread>
  <message>Configuration action failed: com.ibm.ws.install.configmanager.actionengine.ANTAction-
D:\WBIVAS\properties\version\install.wbi6.0.0.0\config\full\install\90S\InstallCEI.ant</message>
</record>
```

The inst\_config.log will log configuration actions that run at the end of the installation process to configure components, install system applications, and create Windows shortcuts and registry entries. This file is found on Linux, UNIX, and Windows platforms as <INSTALL\_DIR>/logs/wbi/inst\_config.log. It contains a series of <record> elements that document the configuration actions. If a post-installation configuration action fails, text like that shown in this slide appears in the log.

## Installation release notes and Technotes

- 6.0.2 Upgrade requirements for the Deployment manager in the mixed cell on WebSphere Process Server and WebSphere Application Server network deployment
  - ▶ Install the following APARs on all of your V6.0.1 nodes before upgrading the Deployment Manager to V6.0.2
    - If your node is at V6.0.1.1, install JR25410, JR25444
    - If your node is at V6.0.1.2, install JR25410, JR24901
    - If your node is at V6.0.1.3, install JR24901
- FeatureNotFoundException when retrieving list of Business Rule Groups in a mixed version cell
  - ▶ Migrate entire cell to V6.0.2 and update Business Rule Manager on V6.0.1 to use new Business Rule Manager
- When upgrading WebSphere Enterprise Service Bus or WebSphere Process Server from V6.0.1 to V6.0.2 by way of V6.0 Refresh Pack 2, the jar file sibx.wsrr.proxy.jar is not installed
  - ▶ Download and apply the iFix 6.0.2-WS-WBI-IFIC51811.pak for the support Web site
- Running the Install Verification Utility causes a java.io.IOException error
  - ▶ Path length of some directories beneath the profile path exceeds the 256 character limit set by the Windows operating system. Keep the install root path and profile creation path as small as possible

Some important points from the WebSphere Process Server release notes and Technotes are shown here. In the mixed cell environment where node is at V6.0.1 and the Deployment Manager is at V6.0.2, you will encounter errors in Relationship Service and Recovery because of incompatibilities in Relationship Service and Recovery areas between WebSphere Process Server V6.0.1 and V6.0.2. You need to install the APARs listed in the slide before upgrading the deployment manager to V6.0.2.

If you get a FeatureNotFoundException while retrieving list of Business Rule Groups in a mixed version cell, the entire cell should be migrated to V6.0.2 and the Business Rule Manager should be updated. This will ensure that business rules will be handled correctly.

A java.io.IOException when running the installation verification utility is an indication that the Windows path length limit has been exceeded.

## Installation release notes and Technotes

- Profile directory path length limit of 256 characters on Microsoft® Windows Operating Systems
  - ▶ Profile creation fails on Microsoft Windows operating systems if you choose a profile path that is too long. The operating systems places a limit of 256 characters on a fully qualified path
- Installation failure java.util.ZipException with unmapped network drive
  - ▶ Installing WebSphere Process Server V6.0.1 from an unmapped network drive is not supported
- Installation fails due to insufficient disk space on Windows
  - ▶ The silent installation of the underlying WebSphere Application Server Network Deployment, version 6.0, requires approximately 1 GB of additional free disk space beyond what is actually used
- The presentation does not list all the release notes. For the complete list, see:
  - ▶ <http://www-1.ibm.com/support/search.wss?rs=2307&tc=SSQH9M+SS7J6S&q=v602rnotes>

Installation also fails if the profile directory path exceeds 256 characters. Installation can fail with a java.util.ZipException with an unmapped network drive. Installing WebSphere Process Server V6.0 from an unmapped network drive is not supported. Installation can fail due to insufficient disk space on Windows. The silent installation of the underlying WebSphere Application Server Network Deployment V6.0 requires approximately 1 GB of additional free disk space beyond what is finally used.



## Section

# *Summary*

This section will provide a summary of topics discussed in this presentation.

## Summary

- Discussed Installation of WebSphere Process Server V6.0.2
  - ▶ Covered an overview and initial install information
  - ▶ Stepped through installation flow discussing information on each installation screen, update an existing installation and uninstall
  - ▶ Discussed troubleshooting topics like known limitations, best practices, and debugging and logging information



This presentation covered the WebSphere Process Server V6.0.2 installation. It also covered initial installation information and stepped through the installation flow. You saw how to update an existing installation and how to uninstall. Troubleshooting topics like known limitations, best practices, and debugging and logging information were also covered.

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