

Update Installer Usage Guide

Version 6.2, 6.2.1.0, and 6.1.1.0

Overview

WebSphere Partner Gateway is releasing version 6.2, 6.2.1.0, and 6.1.1.0 of the Update Installer Usage Guide for WebSphere Partner Gateway product. These document provides information about the enhancements and resolved problems in WebSphere Partner Gateway FixPack Readme, version 6.2, 6.2.1.0, and 6.1.1.0. The information in this document supplements and supersedes information in the Update Installer Usage Guide for WebSphere Partner Gateway product manuals.

Note: Details about recent FixPacks, Readmes, and Fixlists for this product are available from the IBM website at <http://www-01.ibm.com/support/docview.wss?rs=2311&uid=swg27009177>. Before installation, IBM recommends that you check the website to determine whether FixPacks, Readmes, and Fixlists are available for this product.

The following topics are discussed:

- “Introduction” on page 2
- “Setup instructions”
 - “Downloading and installing IBM Update Installer V 7.0.0.1 or above” on page 3
 - “Downloading and extracting WebSphere Partner Gateway specific installer files for IBM Update Installer” on page 3
 - “Setting up the IBM UPDI” on page 3
 - “Providing the system configuration details” on page 4
- “Installation and uninstallation of a FixPack” on page 4
 - “Prerequisites” on page 4
 - “Points to remember” on page 5
 - “Installing and uninstalling the FixPack in UI mode” on page 5
 - “Applying the FixPack when WebSphere Partner Gateway is installed on an existing cell” on page 6
 - “Installing and Uninstalling a FixPack in silent mode” on page 6

- [“Installing and uninstalling Ifix or TestFix” on page 7](#)
 - [“Prerequisites” on page 7](#)
 - [“Points to remember:” on page 7](#)
 - [“Installing in UI mode:” on page 8](#)
 - [“Unstalling in UI mode:” on page 8](#)
 - [“Installing and Uninstalling an iFix in silent mode” on page 8](#)
 - [“Advanced options for iFix installation” on page 8](#)
- [“Install/Uninstall temp fixes or fixpacks when WAS security is enabled” on page 8](#)
- [“History of fixes” on page 10](#)
- [“Response file parameters” on page 10](#)
- [“Troubleshooting” on page 12](#)
- [“Limitations” on page 13](#)
- [“Installing iFix on selected nodes” on page 14](#)

Introduction

The fixes and FixPacks of WebSphere Partner Gateway can be installed and uninstalled using IBM® Update Installer for WebSphere Software (7.0.0.1 or above).

Follow the instructions provided in this document to install and uninstall fixes and FixPacks for WebSphere Partner Gateway using the IBM Update Installer.

The following versions of WebSphere Partner Gateway are enabled to use the IBM Update Installer:

Table 1-1. Versions enabled to use the IBM Update Installer

Version numbers	Versions enabled
6.1.0.0	FixPack 3 onwards
6.2.0.0	All fixes and FixPacks
6.1.1.0	FixPack 2 and onwards
6.2.1.0	All fixes and FixPacks

Setup instructions

The following topics describe the setup instructions for downloading and installing IBM Update Installer, version 7.0.0.1, and then installing and uninstalling a FixPack.

Downloading and installing IBM Update Installer V 7.0.0.1 or above

Download and install IBM Update Installer 7.0.0.1 or above on all machines at <http://www-01.ibm.com/support/docview.wss?rs=180&uid=swg24020212>, where components of WebSphere Partner Gateway are installed.

Downloading and extracting WebSphere Partner Gateway specific installer files for IBM Update Installer

Procedure: The following procedure details steps to download and extract WebSphere Partner Gateway specific installer files for IBM Update Installer:

- 1 Download WebSphere Partner Gateway Update Installer version specific file (<version>.zip) at <http://www-01.ibm.com/support/docview.wss?uid=swg27015150>, and extract it to the machines where WebSphere Partner Gateway Deployment manager, Hub, WebSphere Partner Gateway Application database, and MAS database are installed.
- 2 If you are a non-Windows user, login as root.
- 3 Extract (<version>.zip) to <DMGR installed location> and <Hub Installed location> locations. After extracting the zip file, the folder structure on <DMGR installed location> appears as shown below:

```
<DMGR installed location>/properties/version/...  
    /responsefiles/...  
    /bin/bcgHistory.sh  
    /META-INF/MANIFEST.MF
```

Note:

- 1 The <DMGR installed location> refers to the location of "existing DMGR profile".
- 2 If you find "^M" characters in the response files of non-English locales, you can ignore these characters as they do not have any impact on the installation and uninstallation of FixPacks and temporary fixes.

Setting up the IBM UPDI

To setup the IBM UPDI on WebSphere Partner Gateway, place the admin client jar files of WebSphere Application Server, and the required jdbc drivers in the properties folder available in the installed locations of WebSphere Partner Gateway. Note

Copy the following files:

- 1 WAS_installation_path>\AppServer\runtimes\com.ibm.ws.admin.client_6.1.0.jar.
- 2 For DB2 users:

<WPG_Hub_Installation_path>\wasND\Profiles\bcgprofile\installedApps\wpgCell\BCGDocMgr.ear
 \lib\db2jcc.jar.

<WPG_Hub_Installation_path>\wasND\Profiles\bcgprofile\installedApps\wpgCell\BCGDocMgr.ear\lib\db
 2jcc_license_cu.jar.

3 For ORACLE users :

<ORACLE.home>/jdbc/lib/ojdbc5.jar for ORACLE Version 11.1.0.7 and for versions below 11.1.0.7

<ORACLE.home>/jdbc/lib/ojdbc14.jar.

Note: For HP-UX, use **ojdbc5_g.jar** for ORACLE version 11.1.0.7.

Place the copied files at the following locations:

- DMGR_Installation_path>\properties\version\nif\update\config\install\lib.
- DMGR_Installation_path>\properties\version\nif\update\config\uninstall\lib.
- Hub_Installation_path>\properties\version\nif\update\config\install\lib.
- Hub_Installation_path>\properties\version\nif\update\config\uninstall\lib.

Note: The <DMGR installed location> refers to the location of “existing DMGR profile”.

Providing the system configuration details

Update the appropriate locale specific response file with the required parameter values. The response file is named as **bcgupdate_<locale>.txt**. If you have installed WebSphere Partner Gateway on any other locale other than the one supported by WebSphere Partner Gateway, use the default response file - **bcgupdate.txt** to update. The response files are available at the following locations:

- DMGR installed location>/responsefiles/.
- UB installed location>/responsefiles/.

Tip: For more information on the parameters, see “[Response file parameters](#)” on page 10.

Now, your system should be ready for using IBM Update Installer for the WebSphere Partner Gateway maintenance fixes and fix packs.

Installation and uninstallation of a FixPack

This topic details the steps to install and uninstall a FixPack.

Prerequisites

Following are the prerequisites for installing and uninstalling a FixPack:

- 1** While applying the FixPack on simple mode deployment, make sure that the server is up and running.
- 2** Make sure that the Deployment Manager (DMGR) and all node agents are up and running for simple distributed and fully distributed deployments.

- 3 Take the backup of WebSphere Partner Gateway application database before installing the FixPack. For more information on data back up and restore, see *Migrating the database of WebSphere Partner Gateway Installation Guide*.
- 4 Before applying the FixPack, stop all WebSphere Partner Gateway clusters in case of simple distributed and fully distributed deployment.

Note: The Services and Suites registered to run on Microsoft Windows 2000 cannot be installed on Microsoft Windows 2003 servers and vice versa.

Points to remember

The following points must be considered when you install or uninstall a FixPack:

- 1 The FixPack must be installed and uninstalled with "root" user on non-Windows platforms.
- 2 The WebSphere Partner Gateway 6.2, 6.2.1.0, and 6.1.1.0 FixPack needs to be installed using IBM Update Installer at the following locations in the following order:
 - WebSphere Partner Gateway Deployment Manager (Not applicable for Simple mode deployment).
 - WebSphere Partner Gateway Hub.

Note: For uninstallation, follow the points in the reverse order. For simple mode deployment, install WebSphere Partner Gateway Hub. Remember that the <DMGR installed location> refers to the location of "existing DMGR profile".

- 3 For silent mode installation or uninstallation, provide the following parameters also in the response file:
 - maintenance.package (W maintenance.package)
 - update.type (W update.type)

Tip: For more information on the parameters, see "Response file parameters" on page 10.

Installing and uninstalling the FixPack in UI mode

This topic details the steps required to install and uninstall a FixPack in UI mode.

Installing the FixPack in UI mode

Procedure: To install the FixPack in the UI mode:

- 1 Launch IBM Update Installer by executing the script **update.bat** for Windows, and **update.sh** file for non-Windows, available under IBM Update Installer installed location.
- 2 Follow the installation wizard and complete the installation process.

For more information on success or failure status of the installation, verify the following log files:

- DMGR installed location>/responsefiles/.
- UB installed location>/responsefiles/.

For setup, where WPG is installed on an existing cell, DMGR installed location refers to the location of "existing DMGR profile".

Uninstalling the FixPack in UI mode

Procedure: To uninstall the FixPack in the UI mode:

- 1 Execute **update.bat** for windows and **update.sh** for non-Windows file located in the installed location of IBM Update Installer to launch IBM Update Installer.
- 2 The IBM Update Installer will guide you through the uninstallation process. Verify the log files for more information on success or failure status of the uninstallation.
- 3 Restore the WebSphere Partner Gateway application database from the backup taken before the FixPack installation process.

Note: The IBM Update Installer does not restore the database changes while uninstalling the FixPack. To complete the uninstallation process, restore the database from the backup manually.

Applying the FixPack when WebSphere Partner Gateway is installed on an existing cell

If the WebSphere Partner Gateway is installed on existing cell setup, user needs to perform some additional steps to setup WebSphere Partner Gateway UPDI. To apply the FixPack, refer the instructions at <http://www-01.ibm.com/support/docview.wss?uid=swg21402404>.

Installing and Uninstalling a FixPack in silent mode

Procedure: To install and uninstall FixPack in silent mode:

- 1 Execute **update.bat** file for windows and **update.sh** file for non-Windows located in the installed location of IBM Update Installer. The install or uninstall operation will be executed as per the action provided for update. Enter the parameter in the response file.

Example: `update -options /opt/bcghub-dmgr/responsefiles/bcgupdate_en_US.txt -silent.`

Note: The response file path specified in the update.sh/.bat command line should always be WPG installed directory and default file name. The file name or the other file path than above, are currently not supported in WPG UPDI .

- 2 For more information on the success or failure of installation status, verify the log files.

Installing and uninstalling Ifix or TestFix

This topic provides steps to install and uninstall iFix or TestFix.

Prerequisites

The following are the prerequisites for installing and uninstalling iFix or TestFix:

- 1 Taking backup of WebSphere Partner Gateway application database is not always required. If required, IBM will provide this information while delivering a specific fix.
- 2 Make sure that the server is up and running while applying the fix on simple mode deployment.
- 3 Make sure that DMGR and all node agents are up and running for simple distributed and fully distributed deployments.

Points to remember:

Procedure: To install or uninstall an iFix:

- 1 Install and uninstall the fix with "root" user on non-Windows platforms.
- 2 Installing the fix on all machines is not required, and is dependent on the type of the fix. If you want to install the fix on multiple locations, it will be communicated while delivering the fix. However, in the case of distributed mode, fix has to be applied from DMGR location first, and for simple mode, it has to be applied from Hub location.

For simple mode deployment, install WebSphere Partner Gateway Hub.

Note: The <DMGR installed location> refers to the location of "existing DMGR profile".

- 3 For silent installation or uninstallation modes, provide the following parameters in the response file:
 - maintenance.package (W maintenance.package)
 - update.type (W update.type)

For more information on install and uninstall operations, refer to **WPGUpdateInformation.log** in <DMGR installed location>\logs\update\<pakname>.uninstall\WPGUpdateLogs.

Tip: For more information on the parameters, see "Response file parameters" on page 10.

Installing in UI mode:

Procedure: To install the FixPack in UI mode:

- 1 Execute the **update.bat** file for Windows and execute **update.sh** file for non-Windows, located in the installed location of IBM Update Installer.
- 2 The IBM Update Installer will guide you through the installation process.
- 3 Verify the log files for more information on the success or failure status of the installation.

Uninstalling in UI mode:

Procedure: To Uninstall the FixPack in UI mode:

- 1 To launch IBM Update Installer, execute **update.bat** file for Windows and **update.sh** file for non-Windows located in the installed location of IBM Update Installer.
- 2 The IBM Update Installer will guide through the uninstallation process. Verify the log files for more information on success or failure status of the uninstallation.
- 3 If required, restore the WebSphere Partner Gateway application database from the backup taken before the fix installation process.

Installing and Uninstalling an iFix in silent mode

For more information on installing and uninstalling an iFix in silent mode, see “Installing and Uninstalling a FixPack in silent mode”.

Advanced options for iFix installation

For more information on advanced options for iFix installation, see “Installing iFix on selected nodes” on page 14.

Install/Uninstall temp fixes or fixpacks when WAS security is enabled

WebSphere Partner Gateway 6.2, Fixpack 3 and WebSphere Partner Gateway 6.1.1.0 FixPack 2 and any temporary fixes on top it can be installed or uninstalled, when the administrative security is enabled for “Standalone LDAP registry” realm definition on the WebSphere Application server.

Following are the additional configuration steps you need to perform when you have WAS running with LDAP security:

- 1 Copy **jar com.ibm.ws.security.crypto_6.1.0.jar** file from WebSphere\AppServer\plugins folder and place it under the following folder locations:
 - <DMGR installed location>\properties\version\nif\update\config\install\lib.
 - <DMGR installed location>\properties\version\nif\update\config\uninstall\lib <Hub installed location>\properties\version\nif\update\config\install\lib.
 - <Hub installed location>\properties\version\nif\update\config\uninstall\lib.
 - <Hub installed location>\properties\version\nif\update\config\uninstall\lib.
- 2 Edit the following properties as illustrated in the examples below:
 - Set the value of the com.ibm.SOAP.securityEnabled property to true. For example, com.ibm.SOAP.securityEnabled=true.
 - Set the value of the com.ibm.SOAP.loginSource property to properties. For example, com.ibm.SOAP.loginSource=properties.
 - Set the value of the user name for the com.ibm.SOAP.loginUserId property. For example, com.ibm.SOAP.loginUserId=ldapuser.
 - Set the value of the password for the com.ibm.SOAP.loginPassword property. For example, com.ibm.SOAP.loginPassword=Pa55word.
- 3 Edit the following additional properties as illustrated in the examples below:
 - Set the value of the com.ibm.CORBA.loginSource property to properties. For example, com.ibm.CORBA.loginSource=properties.
 - Set the value of the user name for the com.ibm.CORBA.loginUserId property. For example, com.ibm.CORBA.loginUserId=ldapuser.
 - Set the value of the password for the com.ibm.CORBA.loginPassword property. For example, com.ibm.CORBA.loginPassword=Pa55word.

Remember the following points:

- If you choose the simple mode, you can find the soap.client.props property file under the <Hub installed location>\wasND\Profiles\bcgprofile\properties path.
- When the values for the user name and password are not provided in the soap.client.props and sas.client.props files, a pop-up displays for confirming the information during installation and uninstallation procedur.

Following are some exceptions:

- 1 If you forget to provide security credentials in the property file when you are applying a fixpack using the simple mode, then the UPDI hangs during installation. Therefore, when you choose the simple mode, you need to provide the security credentials in property files as mentioned in [step 2](#) above.
- 2 When you are installing a FixPack at the hub location, a pop-up prompting for the user name and password may display more than once. Hence it is recommended to fill up the **sas.client.props** to avoid displaying repetitive pop-ups.
- 3 When you choose silent installation mode, it is advisable to fill up **soap.client.props** and **sas.client.props** to avoid pop-ups being displayed, which also result in the fix pack application awaiting user intervention.
- 4 Due to a known problem PK67921 on WAS ND 62 FP19, the WAS credentials do not get read from **sas.client.props** of the hub. Therefore, for the users who have WPG 6.2, 6.2.1.0, and 6.1.1.0 running with WAS ND 62 FP19, it is recommended to refer the WAS technote, which you can find at <http://www-01.ibm.com/support/docview.wss?rs=180&uid=swg21405907>.

History of fixes

To view the history of the applied fixes, run **bcgHistory.sh** or **bcgHistory.bat** file located under "DBGR/bin" location. This file needs either of these two parameters - Complete or Current. The "Complete" option will create a file named **FixHistory.txt** under the same directory. It will list the history of fixes that are installed and uninstalled. The "Current" option displays the current list of fixes applied on the system.

Note the following points:

- On non-Windows platform, execute this script as a root user.
- While running the script, provide an absolute path, if the absolute path of the **bcgHistory.bat** or **bcgHistory.sh** contains any space. For example, "C:/Program Files/WPG62/bcghub-simple/bin".
- Do not run the **bcgHistory.bat** file or the **update.sh** file from the database of WeSphere Partner Gateway application.

Response file parameters

Following are the examples of each parameter name value pairs in the Response file and their descriptions:

- -W maintenance.package= "/opt/IBM/PAKS/6.1.1.1-WS-WPG-TFJR30558.pak/PQ20029.pak".

This parameter is used to specify the name of the maintenance package for Silent mode installation. If no package is specified, maintenance packages from the default folder (such as, UpdateInstaller_HOME/maintenance) are installed.

- -W product.location ="/opt/IBM/bcghub-dmgr/".

This value refers to the installed location of WebSphere Partner Gateway component. Mention the relevant location for Deployment Manager and Hub files.

Note: For setup where WPG is installed on an existing cell, DMGR installed location refers to the location of "existing DMGR profile".

- -W update.type="install".

This parameter is used to input the action of the update installer for silent mode of installation. The actions are install or uninstall. The default value is install.

Note the following points:

- Specify the full path of the installation location.
- When prompted specify the exact product installation location on the update installer GUI panels.

- -W update.soapport="55880".

This value refers to the SOAP port of DMGR (In case of simple mode, it is Server port. The default port number for simple mode is 58880).

This port number is available on WAS admin console under System Administration /Deployment manager/ports/ SOAP_CONNECTOR_ADDRESS.

- -W update.dbtype="DB2".

This value refers to the DB type. The possible DB types are DB2 and ORACLE.

- `-W update.appsdatabasehost="localhost"`.
This value refers to the hostname or IP of the server where application database is installed.
- `-W update.appsdatabaseport="50000"`.
This value refers to the port of the application database. In case of Oracle, the default port is 1521.
- `-W update.appsdatabasename="bcgapps"`.
This value refers to name of application database. This will be the SID name in case of Oracle.
- `-W update.appsdatabaseownername="db2inst1"`.
If DB type provided is DB2, then this section is used to input the DB owner name. If the DB type provided is ORACLE, then this section is used to input the DB owner name.
- `-W update.appsdatabaseschemaname="DB2INST1"`.
If the DB type is DB2, then this value refers to the SCHEMA NAME of the application database, and if it is ORACLE then this refers to schema owner name.
- `-W product update.appsdatabaseownerpassword="db2inst1"`.
If the DB type is DB2, this value refers to the DB owner password, and if it is ORACLE, then this refers to schema owner password.
- `-W update.masdatabasehost="localhost"`.
This value is used to input the hostname or IP of the server where MAS application database is installed.
- `-W update.masdatabaseport="50000"`.
This value is used to input the port of the application database.
- `-W update.masdatabasename="bcgmas"`.
This value is used to input the name of MAS database if the DB type provided is DB2. If the DB type provided is ORACLE, then this value is used to input the MAS DB SID.
- `-W update.masdatabaseownername="db2inst1"`.
This parameter is used to input the MAS DB owner's name if the DB type provided is `-w update.databaseschema="DB2"`.
This parameter is used to input the MAS DB owner's name if the DB type provided is `-w update.databaseschema="ORACLE"`.
- `-W update.masdatabaseschemaname="DB2INST1"`.
This parameter is used to input the schema name of the MAS DB if the DB type provided is `-w update.databaseschema="DB2"`.
This parameter is used to input the MAS schemaowner's name if the DB type provided is `-w update.databaseschema="ORACLE"`.
- `-W update.masdatabaseownerpassword="db2inst1"`.

This parameter is used to input the MAS DB owner password if the DB type provided is `-w update.dbtype="DB2"`.

This parameter is used to input MAS schema owner's password if the DB type provided is `-w update.dbtype="ORACLE"`.

- `W update.groupname="bcggroup"`.

This parameter refers to WebSphere Partner Gateway group name.

- `W update.nodename="Cluster"`.

This value refers to the node name on which you want to apply the fix. If you want to install the fix on all nodes (entire cluster), then enter the value as "Cluster".

Note the following points:

- Multiple node names can be provided as semi colon separated values.
- If the fix has any DB fix, set the value to "Cluster", else fix application will fail.
- While installing the FixPack provide the exact node names given in the WebSphere Application server.
- On Simple mode installation, set the node value as "Cluster".
- `-W update.RunSQLFiles="YES"`.

This parameter is used only while installing the FixPack. This is used to specify whether:

- The Update Installer only has to create SQL files.
- or
- The Update Installer has to create the SQL files and then run them to update the database.

The Update Installer saves the files to:

`<Install Root>\<WPGUpdate>\<PakName>\database\ directory`

If you want the Update Installer to run the SQL files, provide "YES" else, provide "NO". You can change this value to "YES" if you want UPDI to update the DB automatically. The default value is set to "YES".

Troubleshooting

In case of fix or FixPack installation or uninstallation failure, verify the log files and **updateconfig.log.gz** at the install and uninstall locations.

Examples of install locations are:

- `<DMGR installed location>/logs/update/<pakfilename>.install/`
- `<Hub installed location>/ logs/update/<pakfilename>.install/`

Following are the common reasons for installation or uninstallation failures:

- 1 Node agent is not running.
- 2 Wrong SOAP port is provided in **bcgupdate.txt**.
- 3 Node name provided in **bcgupdate_Locale.txt** is incorrect.

- 4 DMGR is down.
- 5 Not able to connect to the database because of wrong credentials provided in **bcgupdate.txt** file.
- 6 JDBC driver or WebSphere Application Server client jar is not copied to the required locations.
- 7 Cannot apply any fix that has database changes on selected nodes. This is the reason for UPDI to fail if you provide any node name as a parameter for **-W update.nodename in bcgupdate_Locale.txt** file. Provide "Cluster" in this file whenever a fix has database changes. If you provide node name(s), the installation will fail. In this case, correct the node name to have "Cluster" and run UPDI again. This will recover from the failure and run the installation again.
- 8 While invoking UPDI, if you have WebSphere Partner Gateway installed on mounted systems, you will get "space not available" error message. In this case, UPDI will not let you proceed with the installation. You can refer to the WebSphere Application Server UPDI Technote, which addresses this issue. <http://www-01.ibm.com/support/docview.wss?rs=2311&uid=swg21301250>. Refer to the point 2 under "Resolving the problem", which is relevant to the Update installer problem with Update Installer 6.1.0.13 and above. If you are applying any new WebSphere Application Server FixPack, update the **client jar**.
- 9 When you upgrade WAS FixPack, again copy WebSphere Application Server client **com.ibm.ws.admin.client_6.1.0.jar** to the locations given in the "Setting up the IBM UPDI" on [page 3](#) topic.
- 10 Twin Deployment Manager (DMGR) set up users having WebSphere Partner Gateway installed on more than one DMGRs need to follow the given instruction. On one DMGR installed location, response file should have "YES" as the value of parameter "-w update.RunSQLFiles". Response file of other deployment managers should have this value set to "NO".
- 11 In rare cases, it is seen that some of the jar files do not get federated in WebSphere Partner Gateway "installedapps" folder on non-Windows platforms with WebSphere Application Server FixPack 25, while application of the pack. This results in failure of the of console application. To resolve this issue, restore the DB, uninstall the FixPack, and then reinstall the FixPack. If this issue persists, then you can contact the IBM support team.

Limitations

Following are the limitations while using UPDI for installing and uninstalling an iFix:

- 1 Application of only one fix at a time using UPDI is currently supported for WebSphere Partner Gateway UPDI. So select only one package while installing WebSphere Partner Gateway maintenance.
- 2 When you apply WPG maintenance pak in silent mode, please point the response file path to a default file that exists under <WPG installed location>\responsefiles directory. File name or file path other than this are currently not supported in WPG UPDI.

For Windows systems:

- `./update.sh -options <WPG_installed_location>/responsefiles/bcgupdate_<system_locale>.txt -silent.`

For Unix systems:

- `./update.sh -options <WPG_installed_location>/responsefiles/bcgupdate_<system_locale>.txt -silent.` Other file name or other file path than above, are currently not supported in WPG UPDI.

- 3 When the values for the user name and password are not provided in the soap.client.props and sas.client.props files, a pop-up displays for confirming the information during installation and uninstallation procedur.
- 4 For some of the console fixes, console application needs to be restarted manually after uninstallation of the fix.

- 5 UPDI will not perform installation or uninstallation of the database schema changes completely. In case of fixes having schema changes, IBM Support will provide the required information while sending the fix.
- 6 Fixes having database changes should be applied on the whole cluster. If you try to install the database fix on one node (by providing node name in response file), UPDI installation fails.
- 7 UPDI will not be able to track any external manual synchronization from WebSphere Application Server admin console.
- 8 UPDI synchronizes all the nodes before and after uninstalling any maintenance package. At any given point of time, the system (all nodes or a particular node) can have only one fix under evaluation. That is, if you have applied any fix on one node, verified the same, and applied the second fix, then UPDI will first synchronize all the nodes and will federate the first fix to all the nodes.
- 9 While running UPDI, the following warnings display in the console:

```
bash-3.00# ./update.sh
Executing command: /usr/IBM/WebSphere/UpdateInstaller7.0.0.1/java/jre/bin/java -
cp /usr/IBM/WebSphere/UpdateInstaller7.0.0.1/update.jar -Xms48m -Xmx384m run
Dec 15, 2008 1:45:43 PM com.ibm.websphere.management.AdminClientFactory
WARNING: ADMC0046W
Dec 15, 2008 1:45:44 PM com.ibm.ws.management.connector.interop.JMXClassLoader
WARNING: Could not find tmx4jTransform.jar in null/etc/tmx4jTransform.jar - Inte
roperability to older versions of WebSphere is disabled
Dec 15, 2008 1:45:44 PM com.ibm.ws.ssl.config.SSLConfigManager
INFO: ssl.disable.url.hostname.verification.CWPKI0027I
bash-3.00#
```

Note: These warnings do not have any impact on fix installation.

To avoid these warnings, provide the following two parameters:

- `update.sh -Dwas.install.root "<WebSphere Application Server_HOME>" -Dcom.ibm.SOAP.ConfigURL "file:<WebSphere Application Server_HOME>\profileTemplates\cell\dmgr\documents\properties\soap.client.props".`
- Whenever UPDI is invoked on Solaris platform, some exceptions will be seen in the console. These exceptions do not affect the WebSphere Partner Gateway installation or uninstallation of maintenance packages, and can be ignored. This issue will be resolved in future releases of Update Installer.

Installing iFix on selected nodes

WebSphere Partner Gateway UPDI can be used to apply the maintenance on selected nodes. This is helpful when you do not want the fix to be synchronized to the whole cluster automatically by WebSphere Application Server. To achieve this, carry out the following steps:

- 1 Disable auto sync using the admin console.
- 2 Go to System administration/Node agents > nodeagent > file synchronization service.
- 3 Clear the Enable service at server startup and Automatic synchronization.
- 4 Restart all the node agents and DMGR.

UPDI can be used to apply the fix only on one node by giving the appropriate node name in the response file. To apply the fix on one node, disable the auto sync of WebSphere Application Server (-W update.nodename).

Note the following points:

- Perform this step only when you want to apply the maintenance on single node rather than on the entire cluster for testing purpose.

- The FixPack cannot be applied on single node, so make sure that the auto sync is set to "ON" while applying the FixPack.

If you need to apply any fix on one or selected nodes for testing purpose, provide the node name(s) delimited by semicolon in **bcgupdate_Locale.txt** file in property -W update.nodename.

Once the fix is applied and verified, synchronize the other nodes using the admin console manually.

Procedure: To synchronize other nodes:

- 1** Launch WebSphere Application Server admin console.
- 2** Go to **System Administration > Nodes**.
- 3** Select rest of the nodes and click **Full Resynchronize**.

Note: The FixPack can not be applied on selected nodes in cluster. It has to be applied on the entire cluster, and hence it is recommended to have the Auto Sync "ON" while applying a FixPack.