

Version 5.6.1.5



Installation Guide
Linux



Installation Guide
Linux

Note:

Before using this information and the product it supports, be sure to read the general information under “Notices” on page 33.

Edition Notice

This edition of this book applies to Version 5.6.1 of the following editions of WebSphere Commerce and to all subsequent releases and modifications until otherwise indicated in new editions:

- IBM WebSphere Commerce Business Edition (5724-i38)
- IBM WebSphere Commerce Professional Edition (5724-i40)
- IBM WebSphere Commerce - Express (5724-i36)

Make sure you are using the correct edition for the level of the product.

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Preface

About this book

This document describes the steps required to apply the IBM® WebSphere® Commerce Version 5.6.1.5 fix pack to the following editions of WebSphere Commerce:

- IBM WebSphere Commerce Business Edition
- IBM WebSphere Commerce Professional Edition
- IBM WebSphere Commerce - Express

Note: The IBM WebSphere Commerce server fix pack cannot be applied to IBM WebSphere Commerce Developer.

Update history

This section provides an outline of the history of changes to this book:


Edition	Updates
Second edition	<ul style="list-style-type: none">• Removed support for S/390® and z/OS®.
First edition	<ul style="list-style-type: none">• Original publication of this document


Conventions used in this book


This book uses the following highlighting conventions:

- **Boldface type** indicates commands or graphical user interface (GUI) controls such as names of fields, icons, or menu choices.
- Monospace type indicates examples of text you enter exactly as shown, file names, and directory paths and names.
- *Italic type* is used to emphasize words. Italics also indicate names for which you must substitute the appropriate values for your system.

 **Business** indicates information that is specific to WebSphere Commerce Business Edition.

 **Professional** indicates information that is specific to WebSphere Commerce Professional Edition.

 **Express** indicates information that is specific to WebSphere Commerce – Express Edition.

 **Linux** indicates information that is specific to WebSphere Commerce for Linux® for iSeries®, WebSphere Commerce for Linux for pSeries®, WebSphere Commerce for Linux for xSeries®, and WebSphere Commerce for Linux for zSeries®.

Variables

cell_name

The name of the WebSphere Application Server cell.

host_name

The fully qualified host name of your WebSphere Commerce system. For example, *server.mydomain.ibm.com* is fully qualified.

instance_name

The name of a previously created WebSphere Commerce instance.

pay_instance_name

The name of a previously created WebSphere Commerce payments instance.

fp_installdir

The temporary directory where the fix pack has been extracted.

HttpServer_installdir

The installation path for the IBM HTTP Server. The default installation directory is:

`/opt/IBMHttpServer`

WAS_installdir

The installation path for WebSphere Application Server. The default installation directory is:

▶ WAS 5.1

`/opt/WebSphere/AppServer`

▶ WAS 6.0

`/opt/IBM/WebSphere/AppServer`

WC_installdir

The installation path for WebSphere Commerce. The default installation directory is:

`/opt/WebSphere/CommerceServer561`

Instance_dir

The path for your WebSphere Commerce instance. The default installation directory is:

▶ WAS 5.1

`WAS_installdir/installedApps/cell_name/WC_instance_name.ear`

▶ WAS 6.0

`WAS_installdir/profiles/WAS_WC_profiledir/installedApps/cell_name/WC_instance_name.ear`

Pay_instance_dir

The path for your WebSphere Commerce Payments instance. The default installation directory is:

▶ WAS 5.1

`WAS_installdir/installedApps/cell_name/pay_instance_name_Commerce_Payments_App.ear`

▶ WAS 6.0

*WAS_installdir/profiles/WAS_WC_profiledir/installedApps/
cell_name/pay_instance_name_Commerce_Payments_App.ear*

Product editions

WebSphere Commerce editions supported by this fix pack

This fix pack supports WebSphere Commerce Version 5.6.1 on the following operating systems:

- AIX®
- OS/400®
- i5/OS®
- Linux for iSeries
- Linux for pSeries
- Linux for xSeries
- Linux for zSeries
- Solaris
- Windows® 2000 and Windows 2003

This fix pack supports WebSphere Commerce — Express Version 5.6.1 on the following operating systems:

- OS/400
- i5/OS
- Linux for xSeries
- Windows 2000 and Windows 2003

For the specific requirements on each of the supported operating systems, see the following URL:

<http://www-1.ibm.com/support/docview.wss?uid=swg21223706>

Prerequisites

Read over this chapter and complete any of the following sections that are applicable to your WebSphere Commerce installation.




Master Technote

IBM WebSphere Commerce maintains a web page that links to several fix pack related documents. This page, known as the 'WebSphere Commerce Version 5.6.1 fix pack master technote', is a central resource for information related to WebSphere Commerce Version 5.6.1 fix pack. The master technote summarizes the known fix pack issues, and which version of the fix packs they apply to. It provides information about how to sign up for automatic notification of new fix packs and flashes. Technotes can be found by using the technote number to search the IBM Web site (www.ibm.com). The link to the WebSphere Commerce Version 5.6.1 Master Technote is:

<http://www.ibm.com/support/docview.wss?uid=swg21221326>

WebSphere Application Server information

If you are planning to use WebSphere Application Server 6.0 see the following information:

- If you are installing WebSphere Commerce and want to use WebSphere Application Server 6.0 as your application server, see the most recent *IBM WebSphere Commerce Installation Guide*.
- If you have created a WebSphere Commerce instance based on WebSphere Application Server Version 5.1 you can migrate that instance to WebSphere Application Server 6.0. For more information, see the most recent migration guides:
 -  WebSphere Commerce migration guides
 -  WebSphere Commerce migration guides
 -  WebSphere Commerce migration guides

Under Version 5.6.1 locate **Migration documents** and complete the following steps:

1. Click **Show**.
2. In the top section for migrating from 5.6 to 5.6.1, select your platform and language. Click **Go**
3. Download the Migration guide.
4. Navigate to *Appendix B. Migrating WebSphere Application Server 5.1.1.3 to WebSphere Application Server 6.0.2 using WCIM*.
5. Review the migration information in the appendix before starting the migration process for WebSphere Application Server.

Note: The WebSphere Commerce plug-in for IBM Support Assistant does not support log collection when running on WebSphere Application Server Version 6.0.

Oracle Database information

Oracle9i Database Release 2 with fix pack 6 (9.2.0.6) users

If you are using Oracle9i Database Release 2 with fix pack 6 (9.2.0.6) you must upgrade your Oracle server and client to Oracle9i Database Release 2 with fix pack 7 (9.2.0.7) or above before applying the WebSphere Commerce fix pack. For information about applying the latest Oracle Database fix pack, see your Oracle Database product documentation.

Red Hat Linux

If you are using Red Hat Enterprise Linux AS Version 3.0 or ES Version 3.0, run the following commands as the non-root user before running the updatedb, and acpload script:

```
export LD_ASSUME_KERNEL=2.4.19
export RPM_FORCE_NPTL=1
```

Installing the fix pack

Before applying the fix pack

Important:

If you also use WebSphere Commerce Developer, ensure that WebSphere Commerce and WebSphere Commerce Developer are at the same fix pack level.

When you have installed the fix pack to update your existing WebSphere Commerce instance configuration files and database, you will not be able to revert to previous configurations. Ensure that you back up your instance configuration files, and your database before applying this fix pack.

Multinode environments

If you have the various WebSphere Commerce components distributed in a multinode installation, the fix pack must be applied to each node that has a WebSphere Commerce component. For example, for a custom 5–node installation that has a Web server node, a WebSphere Commerce Payments server node, a Configuration Manager client node, a WebSphere Commerce Server node, and a Database server node, the fix pack is applied to the Payments node, the Configuration Manager client node and the WebSphere Commerce Server node. The fix pack would not be applied to the Web server node or the database node.

If you are working in a clustered environment, the fix pack must be applied to each WebSphere Commerce Server node in the cluster. However, you do not need to run the updatedb script on a given node if all of the following is true:

- The WebSphere Commerce instance’s database is remote
- The WebSphere Commerce instance’s database is managed on another cluster member (node)

Installing the WebSphere Commerce fix pack on a horizontal cluster

If you are installing the WebSphere Commerce fix pack on a horizontal cluster, all nodes must be stopped before you start the database update. Ensure that the fix pack level for the database and the WebSphere Commerce application match at all times. To install on a clustered environment, you must designate a *reference node* that is updated first, then the WebSphere Commerce application that resides on the WebSphere Application Server Network Deployment node is updated. Once the WebSphere Application Server Network Deployment node is updated the update is distributed to all other nodes automatically.

To install the WebSphere Commerce fix pack on the *reference node*, complete the following sections:

1. “Prerequisites” on page 3.
2. “Preparing your system to run the fix pack installer” on page 6.
3. Depending on the type of installation you are performing, complete one of the following installation types:
 - “Silent installation” on page 7.

- “GUI installation” on page 10.
- 4. “Post installation steps” on page 12.
- 5. On the *reference node* you must collapse the WebSphere Commerce instance directory into a single EAR file. Use this EAR file to update the WebSphere Commerce application that resides on the WebSphere Application Server Network Deployment. For more information about updating the EAR file, see the WebSphere Application Server Network Deployment information center:

http://publib.boulder.ibm.com/infocenter/wasinfo/v5r0/index.jsp?topic=/com.ibm.websphere.nd.doc/info/welcome_nd.html

Complete the following steps on the other WebSphere Commerce nodes:

- To perform a silent installation:
 1. “Updating WebSphere Commerce” on page 8.
 2. Replace the *WC_installdir/instances* directory on your target system, with the *WC_installdir/instances* directory from your *reference node*.
 3. Use the WebSphere Application Server Network Deployment file synchronization capabilities to update the WebSphere Commerce applications on the appropriate nodes. See the WebSphere Application Server Network Deployment. For more information, see the WebSphere Application Server Network Deployment information center:

http://publib.boulder.ibm.com/infocenter/wasinfo/v5r0/index.jsp?topic=/com.ibm.websphere.nd.doc/info/welcome_nd.html

- To perform a GUI installation:
 1. “GUI installation” on page 10.
 2. Use the WebSphere Application Server Network Deployment file synchronization capabilities to update the WebSphere Commerce applications on the appropriate nodes. See the WebSphere Application Server Network Deployment. For more information, see the WebSphere Application Server Network Deployment information center:

http://publib.boulder.ibm.com/infocenter/wasinfo/v5r0/index.jsp?topic=/com.ibm.websphere.nd.doc/info/welcome_nd.html

Installing new components

If any new components are installed from the base (5.6.1) CDs the fix pack must be reapplied in order to upgrade that component to the 5.6.1.5 level. For example, if the Configuration Manager client is loaded on a node using the base CDs the fix pack must be reapplied to the Configuration Manager client node.

Preparing your system to run the fix pack installer

Important:

See Appendix B, “New and changed,” on page 21 for information about the APARs that are included in this fix pack. If you have installed APARs that are not included in this fix pack you must reinstall them after the fix pack is installed.

1. Create a temporary directory. This temporary directory is denoted by *fp_installdir* in the remaining sections of this guide.
2. Open the following URL in a Web browser:

<http://www.ibm.com/support/docview.wss?uid=swg24018560>

3. Save the fix pack to the *fp_installdir* directory. The file you download is denoted by *WC_5615_file_name* in the remaining sections of this guide.

4. Navigate to the *fp_installdir* and then extract the files in the *WC_5615_file_name* archive by running the following command:

```
WAS_installdir/java/bin/jar -xvf WC_5615_file_name
```

5. Run the following command:

```
chmod -R 775 fp_installdir
```

For example,

```
chmod -R 775 /5615
```

6. Ensure that you are logged in as the root user.

7. Stop the following applications:

- WebSphere Commerce Application Servers. For example, *WC_instance_name*. For more information see the following URL:

<http://publib.boulder.ibm.com/infocenter/wchelp/v5r6m1/topic/com.ibm.commerce.admin.doc/tasks/tsrwcs.htm>

- WebSphere Commerce Configuration Manager server. For more information see the following URL:

<http://publib.boulder.ibm.com/infocenter/wchelp/v5r6m1/topic/com.ibm.commerce.admin.doc/tasks/tcmopcm.htm>

- Web server and its respective administration processes. For example, the IBM HTTP Server and the IBM HTTP Administration Server. For more information see the following URL:

<http://publib.boulder.ibm.com/infocenter/wchelp/v5r6m1/topic/com.ibm.commerce.admin.doc/tasks/tsrensureweb.htm>

- WebSphere Commerce Information Center. For more information see the following URL:

<http://publib.boulder.ibm.com/infocenter/wchelp/v5r6m1/topic/com.ibm.commerce.admin.doc/tasks/tsrwcic.htm>

8. Navigate to the following directory:

- If you are using WebSphere Application Server v5:

```
WAS_installdir/bin/
```

- If you are using WebSphere Application Server v6:

```
WAS_installdir/profiles/profile_name/bin
```

9. Run the following command:

```
./setupCmdLine.sh
```

Next step

Install the fix pack by completing one of the following sections:

- “Silent installation.”
- “GUI installation” on page 10.

Silent installation

Note: Ensure that you complete all sections in the order that they appear.

Applying the fix pack to WebSphere Commerce

Updating WebSphere Commerce

This section updates the WebSphere Commerce product.

1. Ensure you have reviewed and completed all the necessary steps in “Prerequisites” on page 3
2. Using the command line, navigate to the *fp_installdir* directory.
3. Run the following command, replacing options specific to your WebSphere Commerce installation.

```
./updateSilent.sh fixpack install WC_installdir fixpackID fp_installdir
```

When you see any of the following names, substitute your required option or system value as described:

- *WC_installdir*: The installation path for WebSphere Commerce. The default installation directory is defined in the Preface under the section Path variables on page vi.
- *fixpackID*: The name of the fix pack to be installed. For example, *wc561BE_fp4_platform*.
- *fp_installdir*: The temporary directory where the fix pack was downloaded.

For example,

```
./updateSilent.sh fixpack install /opt/WebSphere/CommerceServer561  
wc561PRO_fp5_linux /5615
```

4. Ensure that the installer displays the message Fix pack installation completed successfully. If you do not get this message the installer will indicate which log files to check.

Note: If you do not have existing WebSphere Commerce instances or Payments instances, then the fix pack installation is complete; move on to “Post installation steps” on page 12 and complete any applicable steps. If you have existing WebSphere Commerce instances or Payments instances, see “Applying the fix pack to existing WebSphere Commerce and WebSphere Payments instances.”

Applying the fix pack to existing WebSphere Commerce and WebSphere Payments instances

Running the updatedb script

This section updates the WebSphere Commerce instance database. Repeat these steps for each WebSphere Commerce instance you have configured on your system. If your WebSphere Commerce instance is running in a clustered environment, ensure that the server is stopped on all nodes before continuing.

1. Switch to the WebSphere Commerce non-root user ID. This ID was created before installing WebSphere Commerce.
2. Navigate to the *WC_installdir/bin* directory.
3. Run the following command:

```
./updatedb.sh dbname userId password instance_name dbtype dbhost  
staging platform locale earPath [migFrom]
```

When you see any of the following names, substitute your required option or system value as described:

- *dbname*: The name of the database to be updated.
- *userId*: The user ID of the user who owns the database.
- *password*: The password of the user who owns the database.

- *instance_name*: The name of a previously created WebSphere Commerce instance.
- *dbtype*: DB2, or Oracle.
- *dbhost*: The fully qualified host name of the system where the database resides.
- *staging*: Either Y if your database is for the staging server, or N if your database is not for the staging server.
- *platform*: The platform of the database is on of ws or iSeries.
- *locale*: The default locale of this instance is one of: en_US, fr_FR, es_ES, de_DE, it_IT, pt_BR, ko_KR, ja_JP, zh_CN or zh_TW.
- *earPath*: Path of the EAR file of the previously created WebSphere Commerce instance.
- *migFrom*: This parameter must be specified only when using the updatedb tool to complete a migration from a previous version of WebSphere Commerce. If you are migrating from a previous version of WebSphere Commerce, specify 5.6.1.0 for this parameter. This value represents the current 5.6.1 fix pack version of the database; since the database migration tool only upgrades the database from the previous version to version 5.6.1.0, the value must be 5.6.1.0.

To verify that the script was successful, review the following log files:

- *WC_installdir/logs/updatedb.log*
- *WC_installdir/logs/updatedb_fpX_dbtype_time_stamp.log*

Note: One or both log files might exist. Check each log file for any errors.

Updating existing WebSphere Commerce and WebSphere Payments instances

Repeat these steps for each WebSphere Commerce instance, or WebSphere Payments instance, or both you have configured on your system.

1. Ensure that you are logged in as the root user.
2. Using the command line, navigate to the *fp_installdir* directory.
3. Run the following command:

```
updateSilent.sh fixpack install [ Instance_dir | Pay_instance_dir ]
fixpackID fp_installdir
```

When you see any of the following names, substitute your required option or system value as described:

- *Instance_dir*: The path for your WebSphere Commerce instance. The default directory is defined in the Preface under the section Path variables on page vi.
- *Pay_instance_dir*: The path for your WebSphere Commerce Payments instance. The default directory is defined in the Preface under the section Path variables on page vi.
- *fixpackID*: The name of the fix pack to be installed. For example, wc561BE_fp5_os400.
- *fp_installdir*: The temporary directory where the fix pack was downloaded.

For example, to apply the fix pack to the WebSphere Commerce instance:

```
./updateSilent.sh fixpack install /opt/WebSphere/AppServer/
installedApps/myCellName/
WC_demo.ear wc561PRO_fp5_linux /5615
```

For example, to apply the fix pack to the Payments instance:

```
./updateSilent.sh fixpack install /opt/WebSphere/AppServer/  
installedApps/myCellName/  
wpm_Commerce_Payments_App.ear wc561PR0_fp5_linux /5615
```

4. Ensure that the installer displays the message Fix pack installation completed successfully. If you do not get this message the installer will indicate which log files to check.
5. The fix pack installation is complete; move on to “Post installation steps” on page 12 and complete any applicable steps.

GUI installation

Applying the fix pack to WebSphere Commerce

Updating WebSphere Commerce

1. Ensure you have reviewed and completed all the necessary steps in “Prerequisites” on page 3.
2. Using the command line, navigate to the *fp_installdir* directory and type the following command based on your operating system:

```
./updateWizard.sh
```
3. Select a language and then click **OK**.
4. On the Welcome panel, review the information and click **Next** to continue.
5. Click **Next** to accept the WebSphere Commerce product found on your computer.
6. Select **Install fix packs**. Click **Next**.
7. Under Fix Pack Directory, type the location of your *fp_installdir*.
8. Click **Next**.
9. Click **Next** to accept the *wc561BE_fp5_platform* fix pack.
10. Click **Next** to begin installing.
11. Ensure that the installer displays the message The following fix pack was successfully installed. If you do not see this message the installer will indicate which log files to check. Click **Finish**.

Note: If you do not have existing WebSphere Commerce instances or Payments instances, then the fix pack installation is finished. See “Post installation steps” on page 12 and complete any applicable steps. If you have existing WebSphere Commerce instances or Payments instances, see “Applying the fix pack to existing WebSphere Commerce and WebSphere Payments instances.”

Applying the fix pack to existing WebSphere Commerce and WebSphere Payments instances

Running the updatedb script

This section updates the WebSphere Commerce instance database. Repeat these steps for each WebSphere Commerce instance you have configured on your system. If your WebSphere Commerce instance is running in a clustered environment, ensure that the server is stopped on all nodes before continuing.

1. Switch to the WebSphere Commerce non-root user ID. This ID was created before installing WebSphere Commerce.
2. Navigate to the *WC_installdir/bin* directory.

3. Run the following command:

```
./updatedb.sh dbname userId password instance_name dbtype dbhost  
staging platform locale earPath [migFrom]
```

When you see any of the following names, substitute your required option or system value as described:

- *dbname*: The name of the database to be updated.
- *userId*: The user ID of the user who owns the database.
- *password*: The password of the user who owns the database.
- *instance_name*: The name of a previously created WebSphere Commerce instance.
- *dbtype*: DB2®, or Oracle.
- *dbhost*: The fully qualified host name of the system where the database resides.
- *staging*: Either Y if your database is for the staging server, or N if your database is not for the staging server.
- *platform*: The platform of the database is on ws or iSeries.
- *locale*: The default locale of this instance is one of: en_US, fr_FR, es_ES, de_DE, it_IT, pt_BR, ko_KR, ja_JP, zh_CN or zh_TW.
- *earPath*: Path of the ear of the previously created WebSphere Commerce instance.
- *migFrom*: This parameter must be specified only when using the updatedb tool to complete a migration from a previous version of WebSphere Commerce. If you are migrating from a previous version of WebSphere Commerce, specify 5.6.1.0 for this parameter. This value represents the current 5.6.1 fix pack version of the database; since the database migration tool only upgrades the database from the previous version to version 5.6.1.0, the value must be 5.6.1.0.

To verify that the script was successful, review the following log files:

- *WC_installdir*/logs/updatedb.log
- *WC_installdir*/logs/updatedb_fp*X*_dbtype_time_stamp.log

Note: One or both log files might exist. Check each log file for any errors.

Updating existing WebSphere Commerce and WebSphere Payments instances

This section updates your WebSphere Commerce instance or WebSphere Payments instance. Repeat these steps for each WebSphere Commerce instance, or WebSphere Payments instance, or both, that you have configured on your system. These steps are not needed if the WebSphere Commerce Payments instance exists and a WebSphere Commerce instance does not exist.

1. Ensure that you are logged in as the root user.
2. If you are installing from a remote system, run the following commands to export your display:

```
DISPLAY=fully_qualified_hostname:0.0  
export DISPLAY
```

where *fully_qualified_hostname* is the name of the client system that you are using to complete the installation.

3. Using the command line, navigate to the *fp_installdir* directory and enter the following commands based on your operating system:

```
./updateWizard.sh
```

4. Select a language and then click **OK**
5. Click **Next** to continue.
6. Check the **Specify product information** check box, then click **Browse**.
7. Navigate to the following directory:

► WAS 5.1

WAS_installdir/installedApps/cell_name

► WAS 6.0

*WAS_installdir/profiles/WAS_WC_profiledir/installedApps/
cell_name*

Apply the fix pack to a WebSphere Commerce instance:

- a. Click on the **WC_instance_name.ear** folder.
- b. Click **OK**.
- c. Click **Next** to continue.

To apply the fix pack to a WebSphere Commerce Payments instance:

Note: If you are using WebSphere Application Server v6.0, the *cell_name* of WebSphere Commerce and WebSphere Payments might not be the same. WebSphere Payments uses the *short_hostname* as the default *cell_name*, while the WebSphere Commerce instance use *short_hostnameNode01Cell* as default *cell_name*.

- a. Click on the *pay_instance_name_Commerce_Payments_App.ear* folder.
 - b. Click **OK**.
 - c. Click **Next** to continue.
8. Select **Install fix packs**. Click **Next**.
 9. Under Fix Pack Directory, type:
fp_installdir
Click **Next**.
 10. Click **Next** to accept the *wc561BE_fp5_platform* fix pack.
 11. Click **Next** to begin installing.
 12. Ensure that the installer displays the message The following fix pack was successfully installed. If you do not see this message the installer will indicate which log files to check.
 13. Click **Finish**. The fix pack installation is complete; continue to “Post installation steps” and complete any applicable steps.

Post installation steps

Running the fixDeploy tool

Follow these steps to update Enterprise Java™ Beans in the WebSphere Application Server repository for each WebSphere Commerce instance. If you already have a WebSphere Commerce instance complete these steps, and repeat for each additional instance:

1. Create a temporary directory with 100MB of free space. This directory is denoted as *temp_dir*.

Note: You must create this directory with your WebSphere Commerce non-root user ID.

2. Run the following command as a root user:

- **WAS 5.1**

```
chown -R wasuser:wasgroup/WAS_installdir/installedApps
```

- **WAS 6.0**

```
chown -R wasuser:wasgroup /WAS_installdir/profiles/WAS_WC_profilename
```

3. Open a command prompt.

4. Switch to the WebSphere Commerce non-root user ID. This ID was created before installing WebSphere Commerce.

5. Switch to the *WC_installdir*/bin directory.

6. Run the following command:

-

```
./fixDeploy.sh temp_dir WAS_dir instance_name
```

temp_dir

This is the temporary directory that was created earlier in this section.

WAS_dir

- **WAS 5.1** This is the WebSphere Application Server installation path. For example, /WebSphere/AppServer.

- **WAS 6.0** This is the WebSphere Application Server profile path where the WebSphere Commerce EAR is deployed. For example, /IBM/WebSphere/AppServer/profiles/default.

instance_name

This is the name of the WebSphere Commerce instance. For example, demo.

For example,

```
./fixDeploy.sh /temp/workspace /WebSphere/AppServer demo
```

Verify that the script completed successfully, by reviewing the following log file:

WC_installdir/logs/fixDeploy.log

Updating file permissions for Unix platforms

This section updates file ownership and permissions on UNIX® systems.

1. Switch to the root user.

2. Navigate to the *WC_installdir*/bin directory.

3. Run the following command:

```
./wcnonroot.sh
```

Updating the WebSphere Commerce Information Center

This fix pack updates your WebSphere Commerce Information Center. To enable this update, you must restart the WebSphere Commerce Information Center:

<http://publib.boulder.ibm.com/infocenter/wchelp/v5r6m1/topic/com.ibm.commerce.admin.doc/tasks/tsrwcic.htm>

Upgrading Taxware Sales and Use Tax Solution to version 3.5.8

If you use Taxware you must update it after you have installed the WebSphere Commerce Version 5.6.1 fix pack. For information about updating Taxware see the following URL:

<http://www.ibm.com/support/docview.wss?uid=swg21239266>

Uninstalling the fix pack

Before removing the fix pack

Uninstalling the fix pack restores the WebSphere Commerce product files to the previous level. These instructions also remove the fix pack code from those WebSphere Commerce or WebSphere Commerce Payments instances that were updated at the same time the fix pack was applied to your system. Once the fix pack is applied to your system, you cannot revert your instance configuration files, or database configurations to their previous states.

WebSphere Commerce instances or WebSphere Commerce Payments instances that are created after the installation of the fix pack, remain at the current fix pack level. Following the uninstallation instructions will not restore these instances to the previous level. If these instances are required to be at the previous level, contact IBM Support for further assistance.

If you are uninstalling the fix pack from a WebSphere Commerce instance, the order that you perform the uninstallation is important. You must uninstall the fix pack from the instance, then run the `unfixDeploy` script. After the `unfixDeploy` script has completed successfully you can uninstall the fix pack from the product directory.

Before you uninstall

1. Ensure that you are logged in as the root user for WebSphere Commerce.
2. Stop the following servers:
 - WebSphere Commerce Application Servers. For example, `WC_instance_name`.
 - WebSphere Commerce Configuration Manager server.
 - Web server and its respective administration processes. For example, the IBM HTTP Server and the IBM HTTP Administration Server.

Next step

Uninstall the fix pack by completing one of the following sections:

- “Silent uninstall.”
- “Graphical user interface uninstall” on page 17.

Silent uninstall

Removing the fix pack from existing WebSphere Commerce and Payments instances

Repeat these steps for each WebSphere Commerce and WebSphere Commerce Payments instance that you have configured on your system.

1. Using the command line, navigate to the `fp_installdir` directory.
2. Run the following command, replacing options specific to your WebSphere Commerce installation.

```
./updateSilent.sh fixpack uninstall [ Instance_dir | Pay_instance_dir ]  
fixpackID
```

When you see any of the following names, substitute your required option or system value as described:

Instance_dir

The path for your WebSphere Commerce instance. The default directory is defined in the Preface under the section Path variables on page vi.

Pay_instance_dir

The path for your WebSphere Commerce Payments instance. The default directory is defined in the Preface under the section Path variables on page vi.

fixpackID

The name of fix pack to be uninstalled. For example, `wc561BE_fp5_aix`.

For example, to remove the fix pack from the WebSphere Commerce instance:

```
./updateSilent.sh fixpack uninstall /QIBM/UserData/WebAS51/Base/WAS_myserver/  
installedApps/cell_name/WC_demo.ear wc561BE_fp5_os400
```

3. Ensure that the installer displays the following message:

```
Fix pack uninstallation completed, please check /WC_installdir/logs/update/  
timestamp_wc561edition_fp1_operating_system_uninstall.log
```

The message contains the location of the log file created during uninstall.



Running the unfixdeploy tool

Follow these steps to revert changes to Enterprise Java Beans in the WebSphere Application Server repository for each WebSphere Commerce instance. If you already have a WebSphere Commerce instance complete these steps, and repeat for each additional instance:

1. Open a command prompt.
2. Switch to the WebSphere Commerce non-root user ID. This ID was created before installing WebSphere Commerce.
3. Switch to the `WC_installdir/bin` directory.
4. Run the following command:

```
•  
./unfixDeploy.sh WAS_dir instance_name
```

WAS_dir

-  This is the WebSphere Application Server installation path. For example, `/WebSphere/AppServer`.
-  This is the WebSphere Application Server profile path where the WebSphere Commerce EAR is deployed. For example, `/IBM/WebSphere/AppServer/profiles/default`.

instance_name

This is the name of the WebSphere Commerce instance. For example, `demo`.

For example,

```
./unfixDeploy.sh /WebSphere/AppServer/ demo
```

Verify that the script completed successfully, by reviewing the following log file:

```
WC_installdir/logs/unfixDeploy.log
```

Removing the fix pack from WebSphere Commerce

1. Using the command line, navigate to the `fp_installdir` directory.

2. Run the following command, replacing options specific to your WebSphere Commerce installation.

```
./updateSilent.sh fixpack uninstall WC_installdir fixpackID
```

3. Ensure that the installer displays the following message:

```
Fix pack uninstallation completed, please check /WC_installdir/logs/update/  
timestamp_wc561edition_fp5_operating_system_uninstall.log
```

The message contains the location of the log file created during uninstall.
Uninstallation of the fix pack is complete.

Graphical user interface uninstall

Removing the fix pack from existing WebSphere Commerce and Payments instances

This section removes the fix pack from your existing WebSphere Commerce instance or Payments instance. Repeat these steps for each WebSphere Commerce instance or Payments instance that you have configured on your system.

1. Using the command line, navigate to the *fp_installdir* directory and type the following commands based on your operating system:

```
./updateWizard.sh
```
2. Select a language and then click **OK**.
3. Click **Next** to continue.
4. Select the **Specify product information** check box, then click **Browse**.
5. Navigate to the following directory:

► WAS 5.1

```
WAS_installdir/installedApps/cell_name
```

► WAS 6.0

```
WAS_installdir/profiles/WAS_WC_profiledir/installedApps/  
cell_name
```

If you are removing the fix pack from a WebSphere Commerce instance:

- a. Click the **WC_instance_name.ear** folder.
- b. Click **OK**.
- c. Click **Next** to continue.

If you are removing the fix pack from a WebSphere Commerce Payments instance:

- a. Click the **pay_instance_name_Commerce_Payments_App.ear** folder.
- b. Click **OK**.
- c. Click **Next** to continue.

6. Select **Uninstall fix packs**. Click **Next**. If the installer is unable to locate the installed fix pack, exit the installer and return to step 1.
7. Select the fix pack to be uninstalled. Click **Next** to continue.
8. Click **Next** to uninstall the fix pack.
9. Ensure that the installer displays the message The following fix pack was successfully uninstalled. If you do not see this message the installer will indicate which log files to check.
10. Click **Finish**. Uninstallation of the fix pack is complete.

Running the unfixdeploy tool

Follow these steps to revert changes to Enterprise Java Beans in the WebSphere Application Server repository for each WebSphere Commerce instance. If you already have a WebSphere Commerce instance complete these steps, and repeat for each additional instance:

1. Open a command prompt.
2. Switch to the WebSphere Commerce non-root user ID. This ID was created before installing WebSphere Commerce.
3. Switch to the *WC_installdir*/bin directory.
4. Run the following command:

```
./unfixDeploy.sh WAS_dir instance_name
```

WAS_dir

- **WAS 5.1** This is the WebSphere Application Server installation path. For example, /WebSphere/AppServer
- **WAS 6.0** This is the WebSphere Application Server profile path where the WebSphere Commerce EAR is deployed. For example, /IBM/WebSphere/AppServer/profiles/default

instance_name

This is the name of the WebSphere Commerce instance. For example, demo.

For example,

```
./unfixDeploy.sh /WebSphere/AppServer/ demo
```

Verify that the script completed successfully, by reviewing the following log file:
WC_installdir/logs/unfixDeploy.log

Removing the fix pack from WebSphere Commerce

1. Using the command line, navigate to the *fp_installdir* directory and type the following commands based on your operating system:

```
./updateWizard.sh
```

2. Select a language and then click **OK**.
3. On the Welcome page, click **Next** to continue.
4. Click **Next** to accept the WebSphere Commerce product found on your computer.
5. Select **Uninstall fix packs**. Click **Next**.
6. Select the fix pack to be uninstalled. Click **Next** to continue
7. Click **Next** to uninstall the fix pack.
8. Ensure that the installer displays the message The following fix pack was successfully uninstalled. If you do not see this message the installer will indicate which log files to check. Click **Finish** to exit.

Appendix A. Troubleshooting

Stored procedures fail to create

If, during a shopping flow, you encounter a Generic Error page and one or more of the following errors:

- In the HTML source code of the Generic Error page you find an error similar to the following error:

```
System Message: The following SQL Exception occurred during processing:
"[IBM][CLI Driver][DB2/SUN] SQL0444N Routine "*INVSTORE"
(specific name "SQL040406192231290") is implemented with code in library
or path "...function/AVAILINVSTORE", function"AVAILINVSTORE" which cannot
be accessed. Reason code: "4". SQLSTATE=42724".
```

- In the SystemOut.log file you find an error similar to the following followed by a stack trace:

```
[4/6/04 19:00:44:425 EDT] 567cee CommerceSrvr A com.ibm.commerce. fulfillment.
commands.StoredProcedureHelperProxy callAvailInvStore CMN1011S: Invoking
stored procedure "AvailInvStore".
[4/6/04 19:00:44:614 EDT] 567cee CommerceSrvr E com.ibm.commerce. fulfillment.
commands.CheckInventoryAvailabilityCmdImpl checkInventoryAvailability
CMN0417E: The following SQL Exception occurred during processing: "[IBM]
[CLI Driver][DB2/SUN] SQL0444N Routine "*INVSTORE" (specific name
"SQL040406190044590") is implemented with code in library or path
"...function/AVAILINVSTORE", function "AVAILINVSTORE" which cannot be
accessed. Reason code: "4". SQLSTATE=42724 ".COM.ibm.db2.jdbc.DB2Exception:
[IBM][CLI Driver][DB2/SUN] SQL0444N Routine "*INVSTORE" (specific name
"SQL040406190044590") is implemented with code in library or path
"...function/AVAILINVSTORE", function "AVAILINVSTORE" which cannot
be accessed. Reason code: "4". SQLSTATE=42724
```

- In the createsp.log located in the *WC_installdir/instances/instance_name/logs* directory, you find an error similar to the following error:

```
put routine from availreceipts.spa owner db2inst1 use registers
SQL0443N Routine "SYSFUN.PUT_ROUTINE_SAR" (specific name "PUT_SAR")
has returned an error SQLSTATE with diagnostic text "-970, 55009, ".
SQLSTATE=38000
```

Your stored procedures might have failed to create. To work around this problem drop and re-create your stored procedures by completing the following steps:

1. Stop your WebSphere Commerce instance and Payments instance.
2. Ensure that the WebSphere Commerce non-root user ID is part of the DB2 instance owner's group (The default group is db2grp1) and is part of the DB2 fenced user's group (The default group is db2fgrp1).
3. Stop and start DB2.
4. Switch to the WebSphere Commerce non-root user ID.
5. Navigate to *WC_installdir/bin*.
6. Run the following script to drop your store procedures:

```
./dropsp.db2.sh db_name db_user db_password
```

Note: You might see errors here because there are no stored procedures to drop.

7. Run the following script to re-create your stored procedures:

```
./createsp.db2.sh db_name db_user db_password schema_owner
```

Error updating EJB isolation levels

You receive an error when updating EJB isolation levels using the fixDeploy tool. The exception is similar to the following example:

```
parsing.ejbJarXmlFile : /opt/WebSphere/AppServer/config/cells/redbud/applications/WC_demo.ear/deployments/WC_demo/Catalog-ProductManagementData.jar/META-INF/ejb-jar.xml java.net.ConnectException: Connection timed out
```

When parsing the `ejb-jar.xml` file, the fixDeploy tool needs to see the DTD file that is located on the Sun Microsystems Web site. If the system cannot connect to this external site, the process fails. To work around this problem, make sure that the system is able to make connection to external sites.

Store pages do not display completely; parts of pages are missing

If you see one of the following error messages in the SystemOut.log file, follow the instructions for the corresponding solution.

Error/Exception	Solution
<ul style="list-style-type: none">Illegal target of jump or branchjavax.servlet.ServletException	<p>Workaround</p> <ol style="list-style-type: none">Clear the cached or compiled JSP file classes out of <code>/opt/WebSphere/AppServer/temp/%node%/instance_name/instance_name/Stores.war</code>.Navigate to <code>WAS_installdir/bin</code>.Precompile the JSP pages. <code>./JspBatchCompiler.sh</code> <code>-enterpriseapp.name instance_name</code> <code>-cell.name %CELL% -node.name %NODE%</code> <code>-server.name instance_name</code>

Appendix B. New and changed

WebSphere Commerce updates

WebSphere Commerce fix packs include all fixes included in the previous fix pack. This fix pack contains the interim fixes (APARs) in the following table:

Interim APAR fix #	Fix pack number	Description
IY71174	5.6.1.1	Optimization of MemberGroup SQLs
IY71854	5.6.1.1	Set CardVerifyCode to null after the order is approved
IY71854	5.6.1.1	Synchronous AutoApprove does not work with 'CVV remove APAR'
IY73830	5.6.1.1	Pagination not working on Category List page for Promotions
IY73888	5.6.1.1	Address Dynamic kit under productbehavior
IY73928	5.6.1.1	Payment amount greater than order amount
IY74025	5.6.1.1	Targeting Profile not evaluated correctly for Promotions
IY74361	5.6.1.1	Product Set publish fails with 400+ categories
IY74382	5.6.1.1	setMessage(byte newMessage[]) catches java.lang exception
IY74837	5.6.1.1	ContractImportApprovedVersion fails with ampersand '&' symbol
IY75363	5.6.1.1	Shopping carts do not merge after creating 2nd FFM Center
IY76176	5.6.1.1	Address SQL issue
IY76507	5.6.1.1	Address SQL performance issue
IY76589	5.6.1.1	Subtotal is \$0 when using Ad Copy
IY76834	5.6.1.1	Fixed access intents for product.getChildCatalogEntries()
JR22058	5.6.1.1	Contract excluded Category appearing on external pages
JR22078	5.6.1.1	After a hang, jobs still in 'R' state in schactive table
JR22093	5.6.1.1	Correct republish synced product sets issue
JR22113	5.6.1.1	Corrected view order summary when the SKU for the gift is deleted issue
JR22223	5.6.1.1	getSKUName in EProUtil returns null, when CATENTDESC.NAME for an item is empty
JR22330	5.6.1.1	Log on issue when cookie acceptance test is enabled
LI70916	5.6.1.1	notifyOrderSubmitted e-mail not sent when using DoPaymentSimple
SE22167	5.6.1.1	OrdersMgpPersistListener is disabled but code runs regardless
SI18855	5.6.1.1	Custom Promotion is working, but order calculation is not as expected
IY69062	5.6.1.2	Provide recycling fee functionality to tax integration kit
IY76886	5.6.1.2	WebSphere Commerce Accelerator hangs when searching by a catgroup name
IY77045	5.6.1.2	Select statements used by dynacache invalidation to be modified
IY77725	5.6.1.2	Filter behavior in relation to a deleted category
IY77789	5.6.1.2	Inclusion tc with Filter tc
IY77798	5.6.1.2	OrderItemMove calls MiscCmdLockItemSpecs when ATP is not enable

IY78564	5.6.1.2	Flag to enable SKU in PMT from Catalog Management
IY78613	5.6.1.2	Modify Search Code to use the correct Standard Price definition
IY78928	5.6.1.2	PD_COMMHOSTNAME null and throws null pointer exception
IY79680	5.6.1.2	Free Gift set as Nonbuyable creates NullPointer and Generic Error
IY79858	5.6.1.2	Profile Type incorrectly set to 'C' when logging in via LDAP
IY79886	5.6.1.2	Error in WebSphere Commerce Accelerator when finding product not in catalog filter
IY80068	5.6.1.2	Add flush() in the sendToTrashCan() method
IY80223	5.6.1.2	JMSReplyTo was not set for SendTransactedMsg
IY80583	5.6.1.2	Cannot add product to a category if it belongs to many catalogs
IY80585	5.6.1.2	For Business Direct, cannot create or delete e-spots from WebSphere Commerce Accelerator
IY80667	5.6.1.2	wcep:imglink does not resolve non-standard ports
IY80849	5.6.1.2	Cannot add product with vertical line to campaign using Browse
IY81200	5.6.1.2	Massloader fails when large CLOB is loaded with Oracle Thin driver
IY81419	5.6.1.2	In WebSphere Commerce Accelerator, under file management, users are unable to delete individual files
IY81965	5.6.1.2	Hitting 4K clob limit with AttachmentJDBCHelperBean-Oracle
IY82039	5.6.1.2	Add a configurable rounding system into promotion engine
IY82080	5.6.1.2	IdResGen does not use open cursors efficiently
IY82308	5.6.1.2	Makes 'cursor hold' parameter optional
IY82589	5.6.1.2	Contracts and filtering differences in Master and Sales Catalogs
IY82628	5.6.1.2	OrderPrepareCmd handles the free gift item like OrderCalculate
IY82844	5.6.1.2	Cannot find user organization with consecutive spaces in LDAP
IY82949	5.6.1.2	Cannot rename files from ManageFiles GUI in WebSphere Commerce Accelerator
IY82972	5.6.1.2	Need to trim trailing space on Ad Copy Name
IY83337	5.6.1.2	FileUploadAccessBean fires update to FILEUPLOAD table during read
IY83748	5.6.1.2	Unable to delete template that is assigned to a category in WebSphere Commerce Accelerator
IY83823	5.6.1.2	PricingDataBean using commitCopyHelper()
IY83995	5.6.1.2	Domain Name should be able to handle \,
IY84081	5.6.1.2	Performance fix to have promotion engine use the information already saved in the context object
IY84098	5.6.1.2	Cannot delete shared requisition list
IY84389	5.6.1.2	PCI enablement
IY85022	5.6.1.2	User search from WebSphere Commerce Accelerator locks up the whole table
JR22108	5.6.1.2	CSA order item discount is not calculated properly in some cases
JR22412	5.6.1.2	Catalog filter base contract adjustment
JR22418	5.6.1.2	Marketing Initiative not working properly with Customer Profile
JR22442	5.6.1.2	Long catentry_id gets truncated in WebSphere Commerce Accelerator
JR22475	5.6.1.2	langId param. in URL requires browser refresh to affect language

JR22511	5.6.1.2	Product Name and Description showing -9999 in WebSphere Commerce Accelerator reports
JR22514	5.6.1.2	Improve interface to allow customization for contract selection
JR22536	5.6.1.2	Password required for startup cannot be cleared in Configuration Manager
JR22573	5.6.1.2	ProcessBackorders messes up order information in ORDPAYINFO
JR22574	5.6.1.2	MassExtract utility extracts passwords incorrectly from Oracle
JR22594	5.6.1.2	SupplierHub reset password fails if no challengeAnswer given
JR22701	5.6.1.2	Do not store contract XML in the database for buyer contracts
JR22728	5.6.1.2	Solaris 9 with an Oracle 10g database: Instance creation fails when attempting to create it on WebSphere Commerce Version 5.6.1.1 and WebSphere Application Server Version 6.0.2
JR22762	5.6.1.2	In com.ibm.commerce.order.commands.OrderProcessCmdImpl.reverse
JR22773	5.6.1.2	Order Place in WebSphere Commerce Accelerator fails if Quantity > Inventory
JR22782	5.6.1.2	French characters get corrupted in WCMSRecord.compuseMimeMessage
JR22786	5.6.1.2	getParentProductDataBean() method in ItemDataBean does not work
JR22868	5.6.1.2	resultOrder of ESPOT_RESULT_ORDER_ORIGINAL not functioning
JR22882	5.6.1.2	Can add item to cart if no inventory, and backorderable='N'
JR22892	5.6.1.2	Change Tax page of WebSphere Commerce Accelerator does not load
JR22893	5.6.1.2	Lowest Contracted Price incorrect
JR22898	5.6.1.2	New bid and autobid in auctions gives JavaScript™ error
JR22913	5.6.1.2	MemoryLeak: free memory exhaust in JVM
JR22920	5.6.1.2	Non-US format in WebSphere Commerce Accelerator causes error in Edit of Orders
JR22942	5.6.1.2	Original store promotion will not work if segment is from related store
JR22988	5.6.1.2	Dialog boxes in WebSphere Commerce Accelerator (WC Tools) are empty
JR23005	5.6.1.2	fixDeploy not able to execute when there are spaces in the path
JR23109	5.6.1.2	StoreID is lost when administrator logs into the WebSphere Commerce Accelerator
JR23125	5.6.1.2	Need to show massload completion status as 1 or 0 when complete
JR23139	5.6.1.2	TAXAUDIT file record gets written before Payment approval
JR23150	5.6.1.2	Resolve SKU method is not returning the correct SKU for the promotion
JR23155	5.6.1.2	Wrong sets of master prices lists are returned
JR23243	5.6.1.2	Free shipping promotion fails with multiskufilter with only one SKU
JR23244	5.6.1.2	Billing Address sometimes missing from ORDERS table
JR23466	5.6.1.2	Need to make customization of category create cmd possible.
JR23543	5.6.1.2	Unable to display more than 20 users in included customer
JR23657	5.6.1.2	Catalog search tool should support items and products that cannot be bought
JR23688	5.6.1.2	Cannot assign shipping codes to products, only items
JR23692	5.6.1.2	SQLSTATE=22001 while publishing FashionFlow in WC561
JR24013	5.6.1.2	NoClassDefFound error when enabling VisaNet Cassette.

LI70922	5.6.1.2	CodeDrivenAgendaBuilder for promotions
LI70934	5.6.1.2	Product description field length does not comply with TF standard
LI70965	5.6.1.2	Deadlock on store creation for organization using Payment Manager
LI70967	5.6.1.2	Add ability to disable database call to SUBORDERS table
LI71087	5.6.1.2	Username and password un-specified with SMTP/e-mail setup
LI71090	5.6.1.2	Deleting a shippingmode in WebSphere Commerce Accelerator deletes related orderitems
LI71096	5.6.1.2	Estimated shipping date does not show the actual date
LI71098	5.6.1.2	Shipping charge of \$0 not allowed at JSP level
LI71173	5.6.1.2	User should not be able to register to a rejected Organization
LI71188	5.6.1.2	Cannot give 100% of discounts for a coupon
LI71201	5.6.1.2	UTF codeset checking does not work on Linux
LI71252	5.6.1.2	When e-mail notification is enabled for a guest shopper, two order cancellation e-mails are sent to shoppers
LI71372	5.6.1.2	Improvements to the staging propagation tooling
SE23533	5.6.1.2	Payments user roles cannot be assigned for many merchants
SE25158	5.6.1.2	SQL Statement exceeds maximum size in AS/400® DB2 (SQLException)
SI21283	5.6.1.2	User traffic data is not captured with dynacache enabled
SI23299	5.6.1.2	Inventory table is out of sync with orders on i5/OS
JR26360	5.6.1.3	ProductSetTCInclusion Entity Bean missing some methods as READ.
IY96151	5.6.1.3	UrlMapperImpl which violates the servlet specification by returning incorrect values for the URI
SE29051	5.6.1.3	No eligible trading agreements can be found for the user
IZ03004	5.6.1.3	Changed the behavior of updating zero records though the stage propagate utility. The behavior has been modified to cause the stage propagate utility to throw an error if zero records are detected.
IY97562	5.6.1.3	Allow stagingprop to use the following commands: -retry, -batch, -transaction -destdb_timeout.
LI71680	5.6.1.3	Updated version of fixdeploy tool
JR24966	5.6.1.3	Corrected the generic error that is displayed when an order is placed and there is insufficient inventory.
JR25423	5.6.1.3	Fixed an exception that is thrown when creating an unattended start-up WebSphere Payments instance.
SI23469	5.6.1.3	When customer creates a new promotion using discount ranges, final page showing discount range does not show up.
LI71730	5.6.1.3	Fixed an error to allow capture order correlation for Ad copy content
IY91989	5.6.1.3	Fixed the cache organization finder results.
IY79531	5.6.1.3	DynaCacheInvalidationCmd broadcast job does not work across cluster nodes.
IY79948	5.6.1.3	Feature implementation so that OrderAddressValidateCmdImpl validates organization shipping address instead of user's shipping address
IY81348	5.6.1.3	Double Click Handler StackOverflowError
IY84162	5.6.1.3	The Manage Files page in WebSphere Commerce Accelerator takes very long time to load when there is a large number of directories or files in the directory structure it displays

IY84567	5.6.1.3	Available Languages for a store contains a "selected" entry
IY85929	5.6.1.3	The promotion engine has protected context
IY86215	5.6.1.3	A fix for Memory leak in nc_crypt and additional tracing added
IY86483	5.6.1.3	OrderLevel Free Gift promotion is evaluated against OrderTotal (including taxes and shipping) instead of subTotal (only the accumulated prices of all)
IY86715	5.6.1.3	Blank page is returned when using double quotes on catalog search.
IY86769	5.6.1.3	Duplicate category when browsing catalog during promotion creation
IY86836	5.6.1.3	Slow ProductDisplay command with 13 million rows in PRESETCEREL
IY86854	5.6.1.3	Generic application error when using browser's back button
IY87038	5.6.1.3	Valid offer does not get picked up for a pending order
IY87190	5.6.1.3	WebSphere Commerce Analyzer - Custom contract not display discount correctly from base
IY88656	5.6.1.3	Allow future invalidation via cacheivl table.
IY88772	5.6.1.3	Created a scheduler command to clear trash can order
IY88874	5.6.1.3	SchedCouponCmdImpl consumes a large amount of memory
IY89101	5.6.1.3	Performance problems with shipping/tax calculations
IY89202	5.6.1.3	Incorrect associations between users and customer segments
IY89295	5.6.1.3	CPPMN table locks with updates when updates are not happening.
IY90216	5.6.1.3	Unnecessary encoding of XML within xsite scripting protection
IY90774	5.6.1.3	Marketing -> Promotions -> Segment summary not working
IY90899	5.6.1.3	E-mail Marketing Campaigns performance fixes
IY90929	5.6.1.3	Corrected the flow of placing a guest order
IY90973	5.6.1.3	Promotion name should allow numeric chars
IY91279	5.6.1.3	Corrected an issue where instance creation failed on Unix system
IY91383	5.6.1.3	Blank page occur while the same user logon multiple time
IY91475	5.6.1.3	Deleted orders inside 'Trash can' appear in search output
IY91476	5.6.1.3	E-mail Activity Performance improved
IY91515	5.6.1.3	Performance problems with a contract with many adjustments
IY91515	5.6.1.3	removed the unwanted problem determination logs
IY91860	5.6.1.3	dbconnect was compiled with wrong version of Oracle JDBC driver
IY92177	5.6.1.3	"Bad or missing parameter: DynamicKitPricingTCId" error
IY93118	5.6.1.3	Logon adminconsole failed after configuring WebSphere Commerce to use an LDAP server.
IY93284	5.6.1.3	Correct a general issue reported by customers.
IY93304	5.6.1.3	Corrected two problems with ApplyCalculationUsageTIKBaseCmdImpl
IY93347	5.6.1.3	Provide the ability to disable Junk Order feature
IY93384	5.6.1.3	Add "Select Distinct" in DynaCacheInvalidation to improve performance
IY93510	5.6.1.3	PromotionEngineDiscountCalculationCodeCombine handle empty cart
IY93739	5.6.1.3	Currency formats appending, not refreshing
IY93769	5.6.1.3	UnitManager throws NullPointerException
IY93997	5.6.1.3	CatalogGroupPageAccessBean does not provide the proper information

IY94001	5.6.1.3	Dynamic kits do not copy over configuration information
IY94002	5.6.1.3	Return getAttribute() output should be cast as String
IY94767	5.6.1.3	Improved the search so that the custom class can have their own package
IY94955	5.6.1.3	Leftover CALCODEMGP when removing all customer segments from a promotion
IY95221	5.6.1.3	Reduced the deadlocks on ReleaseExpiredAllocation
IY95279	5.6.1.3	AbstractECTargetableCommand.reset() does not call super.reset()
IY95484	5.6.1.3	Updates to contract IDs needed when migrating shopping carts
IY95698	5.6.1.3	The order status is C, but without payment records
IY95698	5.6.1.3	Inconsistent order information during deadlock
IY95711	5.6.1.3	Inventory is checked even if the TRACKINVENTORY is set to N
IY96920	5.6.1.3	The ORDERS.TOTALADJUSTMENT was being reset to 0.
IY97875	5.6.1.3	Completed a requirement that adds interest items
IY98301	5.6.1.3	Mark 2 methods of ReleaseExpiredAllocationsCmdImpl as protected
IY98306	5.6.1.3	OrderItemShippingModeListDataBean doesn't apply order proms
IY99039	5.6.1.3	Add extension point to order command when retrieving trading id
IY99221	5.6.1.3	Attrbts with prohibited values-remove before forward error view
IY99669	5.6.1.3	ShopcartDrivenAgendaBuilder got NPE when you modify the shopcart
IY99777	5.6.1.3	Cannot return an order with 24 or more different orderitems
IY99844	5.6.1.3	Free gifts are given when singleitems in a bundle are purchased
IZ00003	5.6.1.3	Wrong defaultCommandClassName for OrganizationSetInSessionCmd
JR22395	5.6.1.3	OrderDatabean checks orderitem status not inventory status
JR23816	5.6.1.3	MessageAccessBean returns null Pointer exception
JR24015	5.6.1.3	Importing an exported hosting contract fails
JR24116	5.6.1.3	java.lang.NumberFormatException when changing flow
JR24147	5.6.1.3	Requisition List requires User's Organization
JR24205	5.6.1.3	Null Pointer Exception when enabling persistent sessions
JR24243	5.6.1.3	Guest shopping cart does not merge with registered user's cart
JR24312	5.6.1.3	Defect for trading agreement
JR24336	5.6.1.3	List of Files displayed should be sorted by alphabetical order
JR24386	5.6.1.3	Product recommendation campaigns filtering on category is broken
JR24465	5.6.1.3	RememberMe functionality fails due to Null LangId
JR24495	5.6.1.3	Allow DBUpdateTool to re-encrypt data custom tables
JR24498	5.6.1.3	Specific Products not showing product after assigning the Shipping Code
JR24536	5.6.1.3	StaleConnectionException occurs with large number of orderitems
JR24537	5.6.1.3	startdate and endate in offer table are not updated in the database
JR24552	5.6.1.3	With two or more web activities, only one web activity shows up
JR24574	5.6.1.3	URL Mapper on WebSphere Commerce Version 5.6.1.1 and WebSphere Application Server 6.0.2.5 fails
JR24580	5.6.1.3	SQLParser.replaceFunction does not handle multiple nestings

JR24621	5.6.1.3	Errors when displaying the information for an Ad Copy in WebSphere Accelerator
JR24721	5.6.1.3	DuplicateKeyException passed over in SetOrderPaymentInfoCmdImpl
JR24757	5.6.1.3	getEntitledSubCatalogGroupsByStore throws NullPointerExceptions
JR24814	5.6.1.3	Promotions bucket, order checkout fails, null pointer
JR24822	5.6.1.3	Unable to automatically approve buyer organizations
JR24848	5.6.1.3	Price adjustment does not refresh after applying IY87190
JR24860	5.6.1.3	Cannot logon to WebSphere Payments UI in 5612 Toolkit
JR24969	5.6.1.3	Search filter on CATENTRY_TYPES and published status
JR24970	5.6.1.3	Cannot do promotion for dynamic kit
JR24993	5.6.1.3	top_category variable not declared in CategoriesDisplay.jsp
JR25015	5.6.1.3	CVV2 values not deleted for automatic deposit payments
JR25024	5.6.1.3	Discount price of item not reflected in DB during order flow.
JR25025	5.6.1.3	Unable to approve second order since previous order is cached
JR25039	5.6.1.3	Promotion engine not applying the promotion offering the best practices
JR25085	5.6.1.3	x-data/xact-error is wrongly treated as unsupported
JR25134	5.6.1.3	Avoid literals in SQL to improve performance
JR25163	5.6.1.3	Oracle does not accept '' as empty string
JR25189	5.6.1.3	Cannot add item to cart if item is added to more than 1 product
JR25211	5.6.1.3	Merge error causing migrated pending orders failure
JR25363	5.6.1.3	Unable to specify category for product promotion when category
JR25364	5.6.1.3	No warning when WebSphere Commerce Analyzer failed to save long promotion long description
JR25553	5.6.1.3	Large CatalogIDs prevents accelerator from modifying the price
JR25726	5.6.1.3	Add new shipping mode from UI, miss entry in policy table
JR25838	5.6.1.3	E-spot overwriting other e-spots after migration from 56 to 5606
JR25878	5.6.1.3	Correct typo in BreadCrumbTrailDisplay.jspf
JR25931	5.6.1.3	Hide the 'Default' sales tax code & enable "set as default" button
JR25931	5.6.1.3	UpdateTax01CmdImpl gives a Finder Exception
JR25931	5.6.1.3	Support multiple fulfillment center for Tax configuration UI
JR26082	5.6.1.3	Activate or deactivate promotion fails if checked on multiple pages
JR26161	5.6.1.3	Do not fail on propagating a row delete, because it is already deleted
JR26212	5.6.1.3	OrderSearchBean.findOrdersForStoreAdvanced() fails for Oracle
JR26327	5.6.1.3	PolicyManager.refreshRegistry slow on PolGpSubscriptionRegistry
JR26594	5.6.1.3	Improve performance of GetContractUnitPriceCmdImpl.
JR26594	5.6.1.3	Slow performance with GetContractUnitPrice.
JR26594	5.6.1.3	Trace Improvement in GetContractUnitPrice and RetrievePrice
LI71288	5.6.1.3	Deadlock in INVENTORY in repeated Scheduled Orders
LI71315	5.6.1.3	Display the sales catalog instead of the master catalog
LI71336	5.6.1.3	Orderitems status did not rollback properly
LI71583	5.6.1.3	Uploaded image does not show in the store front of WebSphere Commerce Accelerator

LI71714	5.6.1.3	Add to Shopping Cart fails for Content click action
LI72130	5.6.1.3	Unable to delete jurisdiction in WebSphere Commerce Accelerator
SE27129	5.6.1.3	MigrateUserEntriesCmdImpl.migrateInterestItems() does not merge
SE27273	5.6.1.3	Cache Access Control queries executed during bean.activate
SE28250	5.6.1.3	WebSphere Commerce should pre-validate before inserting to ORDPAYINFO
SE28721	5.6.1.3	Advanced order search statement need to optimize
SI23474	5.6.1.3	Store DN as uppercase to avoid multiple toUpper calls
SI23527	5.6.1.3	Unable to setup cross-site scripting protection
SI25946	5.6.1.3	The payment application cannot find library QPYMWEB.
IY90386	5.6.1.4	Corrected a decrypt exception for class SupplierCookieTable
IY91261	5.6.1.4	Corrected an issue where the OrgAdmin tool has performance degradation when trying to load users when the user tables are large
IY93325	5.6.1.4	Removed duplicate permanent 'P' address entries from the ADDRESS table
IY97652	5.6.1.4	Corrected an issue where the PropertyResourceBundleReader is not using the store registry
IY99028	5.6.1.4	Corrected an issue where to establish a persistent session first when caching is enabled
IY99634	5.6.1.4	Corrected an issue to avoid unnecessary deletes and inserts into the ORDPROMOCD table
IZ00386	5.6.1.4	Corrected an issue with a FreeGift allocation not synchronizing in the database
IZ01015	5.6.1.4	Invokes the GetBaseUnitPriceCmdImpl.reset() method when GetBaseUnitPriceCmdImpl is invoked in a loop; in file OrderItemBaseCmdImpl.java
IZ01259	5.6.1.4	Corrected an issue pertaining to e-marketing spots disappearing from site
IZ01422	5.6.1.4	Modified the MASSOC id for Catentry Association which is not being handled as string; large ids are being rounded off
IZ01425	5.6.1.4	Corrected an issue where the PropertyResourceBundleReader is not using the store registry
IZ01564	5.6.1.4	Corrected an issue where the unique name generated for the JVM instance, used by the scheduler, can have duplicates in a clustered environment
IZ01726	5.6.1.4	Prevents promotion codes from being lost with an order when migrating a guest order
IZ01932	5.6.1.4	Allows MassExtract to extract CLOB columns with data greater than 4K
IZ02320	5.6.1.4	Prevents a deadlock when the access bean's method is accessing the TERMCOND table to read data
IZ03337	5.6.1.4	Modifies the StageProp behaviour such that it will commit periodically to reduce the transaction into multiple pieces
IZ03702	5.6.1.4	Reduces contention in the trashcan / junk order code by changing a call to finderByStatusMemberAndStoreForUpdate to finderByStatusMemberAndStoreForUpdate in the MiscCmd
IZ03930	5.6.1.4	Updates for the staging code

IZ05157	5.6.1.4	Removes unnecessary updates to the catentry table from the PricingDataBeanList.populate()
IZ05367	5.6.1.4	Modified the MASSOC id for Catentry Association which is not being handled as string; large ids are being rounded off
IZ05688	5.6.1.4	Corrected an issue where the debug mode page is shown when user has DEBUG in querystring
IZ06174	5.6.1.4	Corrected an issue with how long catentry_id's are handled in the Accelerator JSPs
IZ06557	5.6.1.4	Resets the contract information once there is a detection of a change in the storeId
IZ06573	5.6.1.4	Corrected an issue with a page not loading when trying to update the attribute for the product
IZ06990	5.6.1.4	Corrected an issue with the NullPointerException on Staging copy and updates the staging copy utility to the latest version
IZ07537	5.6.1.4	Corrected an issue with schconfig not properly updated when multiple config entries are present
IZ08398	5.6.1.4	Corrected an issue where the publishstore command fails when running from the command prompt
IZ08628	5.6.1.4	Creates a cache for the promotion engine within the same context; also reduce the insert/deletes on the PROMOARG table.
IZ08897	5.6.1.4	Corrected an issue with StagingProp so that it propagates all tables in one run and does not need a second run for access control tables
IZ08950	5.6.1.4	Avoids unnecessary caching of MemberRelationshipsCache objects; also prevents Out of Memory on store creation with e-site
IZ12718	5.6.1.4	Prevented problems with the ProductSetEntitlementHelper, when multiple inclusion product sets are passed to the ProductSetEntitlementHelper utility
JR25554	5.6.1.4	Corrected an issue with the UserRegistrationAdminAddCmd so that it updates the PASSWORDEXPIRED parameter
JR25744	5.6.1.4	Corrected an issue where the OrgAdmin tool has performance degradation when trying to load users/organizations when the user tables are large
JR26863	5.6.1.4	Eliminated tablescans caused by executing a SQL in PromotionPolicyPersistenceManger.findGlobalPolicyKeysByStore() method
JR27172	5.6.1.4	Corrected a performance issue with the DyanamicTreeView; displays the image tree more efficiently
JR27320	5.6.1.4	Corrected a behavior of Accelerator that resets the shipping promotion to "free shipping" when trying to make changes to a promotion that was created as "shipping discount with xx\$ shipping"
JR27502	5.6.1.4	Allowed the ShippingModeDescriptionAccessBean to return storeID
JR27543	5.6.1.4	Corrected an issue where an empty search results when searching for words containing the German character "szlig" on the storefront
JR27580	5.6.1.4	Correctly builds the PathInfo in SEO URLs that contain escape characters
JR27656	5.6.1.4	Corrected an issue with how long catentry_id's are handled in the Accelerator JSPs
JR27675	5.6.1.4	Corrected an issue when deleting Sales Catalog, the Top categories are not deleted

JR27890	5.6.1.4	Corrected an issue when an organization is created, multiple spaces in the DN are left as is
JR28134	5.6.1.4	Improved performance of getEligibleTradingAgreements in ContractCmdUtil
JR28313	5.6.1.4	Corrected an issue in thestageprop utility that causes some changes to not be propagated in certain situations
LI71282	5.6.1.4	Corrected an issue where promotions, in the French language, can't be updated with a decimal number
IZ16230	5.6.1.5	Corrected a problem with the logon timeout. In particular, if you have a guest user that registered within the same browser session, then the logon timeout will not work for them.
IZ17323	5.6.1.5	Populates the USERS.PREVLASTSESSION column in the database when a new guest user is created via the Remember Me functionality.
IZ17326	5.6.1.5	Allows for limited time promotions to persist to midnight (24:00)
IZ17704	5.6.1.5	Added new store relationship possibilities for extended sites
IZ19130	5.6.1.5	Corrected problems with retrieving request parameters within included JSPs on search engine optimization requests
IZ19137	5.6.1.5	Added the ability to set source and destination schema for stagingcopy for DB2 (built on top of latest staging code)
IZ19586	5.6.1.5	Corrected the way that WebSphere Commerce Accelerator code deals with null values in the cookie. One particular symptom that it will correct is if you upgraded to WAS 6.0.2.21 and you are getting a JavaScript error (may be appear that WebSphere Commerce Accelerator is hung) when attempting to search/view products for update/delete.
IZ20879	5.6.1.5	Improved performance of extended sites store creation in WebSphere Commerce Accelerator by removing unnecessary usage of OrgentityDataBean in the SCWGeneral.jsp
IZ21063	5.6.1.5	Modified the behavior of the CategoryList jsp query. It updates it so that it utilizes the LANGPAIR table when trying to find an alternative language to display category information if the information is not present in the current language.
IZ21395	5.6.1.5	Allowed schema parameters to be used for stagingprop and stagingcopy
IZ21694	5.6.1.5	Enabled stagingcopy to accept a new (optional) parameter, -batchsize <n> so that batch can be shut off when necessary
IZ23043	5.6.1.5	Corrected a problem where StagingCopy does not check key ranges dynamically - it relies on a predefined table list. StagingCopy is fixed to use dynamic checking similar to StagingProp.
IZ26384	5.6.1.5	Prevented IndexOutOfBoundsException from ExpectedInventoryRecordUpdateCmdImpl when updating inventory records
IZ29181	5.6.1.5	Prevented a "java.sql.SQLException: ORA-01795: maximum number of expressions in a list is 1000" exception when working with many adjustments during order processing
IZ32928	5.6.1.5	Corrected a JSTL issue with Hungarian language in OrderConfirmation email.
IZ33737	5.6.1.5	Corrected a problem which resulted in deadlocks on the ORDADJUST and ORDIAJUST tables
IZ33752	5.6.1.5	Corrected a problem which caused an incorrect TERMCOND_ID when account's shipping provided is updated.

IZ36666	5.6.1.5	Introduced missing variables being set on DynamicKitDataBean when calling processKitComponents() from the getComponentItems() method.
IZ44064	5.6.1.5	Resolved performance problems with extended site store creation.
JR27818	5.6.1.5	Added a conditional check to see if PaymentManager is used before trying to validate a connection to it
JR28672	5.6.1.5	Corrected JavaScript errors when doing Find and Replace in product management tooling in WebSphere Commerce Accelerator
JR28977	5.6.1.5	Added code to ensure the ShippingJurisdictionCache is correctly cleared between transactions
JR29030	5.6.1.5	Corrected the organization hierarchy evaluation for relation groups in RelationshipEvaluator
JR29659	5.6.1.5	Updated end date values in SAR files and bootstrap files.
LI73152	5.6.1.5	Resolved an issue with the massload command for certain join statements
LI73284	5.6.1.5	Added code to prevent the extended sites store creation wizard from hanging/crashing when logged in as the site administrator.
LI73578	5.6.1.5	Added code to prevent a NullPointerException when performing a relationship check for the AddressDataBean on the UserDataBean
LI73841	5.6.1.5	Updated some calendar dates that are hardcoded in WebSphere Commerce Accelerator JSP files.
LI74077	5.6.1.5	Resolved an OptimisticUpdateFailure on the ORDPAYMTHD table caused by the database padding the byte array with trailing blanks for EJBs.

Note: If you have installed other APARs that are not listed above, you will need to reinstall them after applying this fix pack. To check what APARs you might have installed, check the following directories:

- `WC_installdir/logs/update`

➤ WAS 6.0

`WAS_installdir/installedApps/cell_name/WC_instance_name.ear/logs/update`

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