WebSphere® WebSphere Commerce Fix Pack
WebSphere Commerce – Express Fix Pack

Version 5.6.1.1

IBM

**Installation Guide
for Linux**

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> **Note:**
>
> Before using this information and the product it supports, be sure to read the general information under "Notices" on page 25.

First Edition (October 2005)

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.

Order publications through your IBM representative or the IBM branch office serving your locality.

IBM welcomes your comments. You can send your comments by using the online IBM WebSphere Commerce documentation feedback form, available at the following URL:
http://www.ibm.com/software/webservers/commerce/rcf.html

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Contents

Preface

About this book

This document describes the steps required to apply the IBM® WebSphere®
Commerce 5.6.1.1 fix pack to version 5.6.1 of 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	Date	Updates
First edition	October 30 2005	- 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 specific to WebSphere Commerce Business Edition

▶ Professional indicates information specific to WebSphere Commerce Professional
Edition.

▶ Express indicates information 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® and
S/390®.

▶ 390 indicates information that is specific to OS/390®.

▶ z/OS indicates information that is specific to z/OS®.

Terminology used in this book

cell_name
> This variable represents the name of the WebSphere Application Server cell.

host_name
> The fully qualified host name of your WebSphere Commerce machine. 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.

Path variables

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 version. The default installation directory is:
>
> ▶ WAS 5.1
>
> /opt/WebSphere/AppServer
>
> ▶ WAS 6.0
>
> /opt/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_installdir*/installedApps/*cell_name*/ WC_*instance_name*.ear

Pay_instance_dir
> The path for your WebSphere Commerce Payments instance. The default installation directory is:
>
> *WAS_installdir*/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, refer to the following URL:

http://www.ibm.com/software/genservers/commerce/servers/versions561.html

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 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 on 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 5.6.1 Master Technote is:

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

WebSphere Application Server information

This fix pack introduces tolerance for WebSphere Application Server 6.0.

- 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 5.1.1.3 you can migrate that instance to WebSphere Application Server 6.0. For information on migrating WebSphere Application Server 5.1.1.3 to WebSphere Application Server 6.0, see the most recent *IBM WebSphere Commerce Migration Guide, Version 5.6.1 – Migrating WebSphere Application Sever 5.1.1.3 to WebSphere Application Server 6.0 using WCIM*

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 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 on applying the latest Oracle Database fix pack, refer to 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, updatedbGUI, 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.
>
> Once 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 would be 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 vertical cluster

If you are installing the WebSphere Commerce fix pack on a vertical 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 cluster 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 install types:
   - For a silent install, complete the following section "Silent install" on page 7.

- For a graphical install, complete the following section "Graphical user interface install" on page 10.

4. "Post installation steps" on page 13.

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 on updating the EAR file, refer to 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:

- For a silent install, complete the following sections:
  1. "Updating WebSphere Commerce" on page 7.
  2. "Updating file permissions" on page 8
  3. Replace the `WC_installdir`/instances directory on your target machine, with the `WC_installdir`/instances directory from your *reference node*.
  4. Use the WebSphere Application Server Network Deployment file synchronization capabilities to update the WebSphere Commerce applications on the appropriate nodes. Refer to the WebSphere Application Server Network Deployment. For more information, refer to 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

- For a graphical install, complete the following sections:
  1. "Graphical user interface install" on page 10.
  2. "Updating file permissions" on page 11.
  3. Use the WebSphere Application Server Network Deployment file synchronization capabilities to update the WebSphere Commerce applications on the appropriate nodes. Refer to the WebSphere Application Server Network Deployment. For more information, refer to 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 5.6.1.1 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:**
> Refer to Appendix B, "New and changed," on page 23 for information on 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 will be 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=swg24010791
3. Save the fix pack to the *fp_installdir* directory. The file you download is denoted by *WC_5611_file_name* in the remaining sections of this guide.
4. Navigate to the *fp_installdir* and then extract the files in the *WC_5611_file_name* archive by running the following command:

   `WAS_installdir/java/bin/jar -xvf WC_5611_file_name`
5. Run the following command:

   `chmod -R 775 fp_installdir`

   For example,

   `chmod -R 775 /5611`
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 refer to 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 refer to 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 refer to the following URL:

     http://publib.boulder.ibm.com/infocenter/wchelp/v5r6m1/topic/
     com.ibm.commerce.admin.doc/tasks/tsrensureweb.htm
8. Run the following command:

   `. WAS_installdir/bin/setupCmdLine.sh`

Next step

Install the fix pack by completing one of the following sections:
- "Silent install."
- "Graphical user interface install" on page 10.

Silent install

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 where appropriate, 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_fp1_*platform*.
   - *fp_installdir*: The temporary directory where the fix pack was downloaded into.

   For example,

   ```
   ./updateSilent.sh fixpack install  /opt/WebSphere/CommerceServer561
   wc561PRO_fp1_linux /5611
   ```

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.

Updating file permissions

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
   ```

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 13 and complete any applicable steps. If you have existing WebSphere Commerce instances or Payments instances, refer to "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 config_ant script

This section updates all existing WebSphere Commerce instance XML files. It is not required if only WebSphere Payments instance exists and no WebSphere Commerce instance has been created.

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:

   ```
   ./config_ant.sh -buildfile WC_installdir/xml/config/updateInstances.xml
   -DupdateCEP=no [-DinstName=instanceName]
   ```

   Note: The [-DinstName=*instanceName*] parameter is optional. The parameter can be used to specify a single instance in the case that multiple instances are configured and you do not want all instances updated. If

the parameter is not specified, all configured WebSphere Commerce
version 5.6.1 instances will be updated.

To verify that the script was completed successfully, review the
WC_installdir/logs/updateInstance.log file.

Running the updatedb script

> **Important:**
>
> If you are using Linux on xSeries, or zSeries machines with a DB2 Universal
> Database™ for OS/390 database, you must complete these steps. For all other
> Linux configurations, continue to the next section.

This section updates the WebSphere Commerce instance database. Repeat these
steps for each WebSphere Commerce instance you have configured on your
machine. 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:

   `DB2` for `390` `z/OS`

   ```
    ./updatedb.sh dbname userId password instance_name DB2390 dbhost
   staging ws locale earPath schemaowner [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*: DB2390.
   - *dbhost*: The fully qualified host name of the machine where the database
     resides.
   - *staging*: Either `Y` or `N` if your database is for the staging server.
   - *platform*: The platform of the database is `ws` or `iSeries`.
   - *locale*: The default locale of this instance, and 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.
   - `DB2` for `390` *schemaowner*: The schema owner of the database.
   - *migFrom*: This parameter must be specified if a previously migrated
     WebSphere Commerce instance is being updated. For example, if a
     WebSphere Commerce instance has been migrated from version 5.6 to
     version 5.6.1, then specify a value of `5.6.1.0` for this parameter. If the
     WebSphere Commerce instance was created at any level of WebSphere
     Commerce version 5.6.1, then this parameter should not be specified.

To verify that the script was successfully completed, review the following log file
for errors:

`WC_installdir/logs/updatedb_fpX_dbtype_time_stamp.log`

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, replacing where appropriate, options specific to your WebSphere Commerce installation.

   ```
   ./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_fp1_os400.

   - *fp_installdir*: The temporary directory where the fix pack was downloaded into.

   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_fp1_linux /5611
   ```

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

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 13 and complete any applicable steps.

Graphical user interface install

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 following:

   fp_installdir

   where *fp_installdir* is the location of your fix pack files.
8. Click **Next**.
9. Click **Next** to accept the fix pack found.
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.**

Updating file permissions
1. Switch to the root user.
2. Navigate to the *WC_installdir*/bin directory.
3. Run the following command:

   `./wcnonroot.sh`

Note: If you do not have existing WebSphere Commerce instances or Payments instances, then the fix pack installation is finished. Refer to "Post installation steps" on page 13 and complete any applicable steps. If you have existing WebSphere Commerce instances or Payments instances, refer to "Applying the fix pack to existing WebSphere Commerce and WebSphere Payments instances."

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

Update the WebSphere Commerce instance database and configuration
This section updates the WebSphere Commerce instance database and configuration files to fix pack 5.6.1.1 level. 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.

> **Important:**
>
> ▶ `DB2` for ▶ `390` If you are using DB2 Universal Database for OS/390 the updatedbGUI.sh command will not update your database properly. You must complete the referenced sections to update your database:
> * "Running the config_ant script" on page 8.
> * "Running the updatedb script" on page 9.

1. Switch to the WebSphere Commerce non-root user ID. This ID was created before installing WebSphere Commerce.
2. If you are installing from a remote machine, 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 machine that you are using to complete the installation.

3. Navigate to the *WC_installdir*/bin directory.
4. Run the following command:

   ```
   ./updatedbGUI.sh
   ```
5. Select the WebSphere Commerce instance to upgrade.
6. Check the **Staging DB** field if the database is a staging database.
7. Select the instance *locale*.
8. Enter the instance ear path or the *Instance_dir*. For example:

   ```
   WAS_installdir/installedApps/cell_name/WC_demo.ear
   ```
9. Click **Update** to trigger the update process.

   Note: This step updates the database and may take a long time to process.
   While the database is being updated, the window might look frozen.
   However, this appearance is intended for the duration of the update
   and operation will return to normal after the process is complete.
10. Click **OK** on the message window which indicates that the update is
    complete.
11. When the process completes, click **Cancel** to close the program.
12. To verify that the script completed successfully, refer to the following log files:

    ```
    WC_installdir/logs/updatedb_fpX_dbtype_time_stamp.log
    ```

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 Payments
instance or both 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 machine, 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 machine 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 *WAS_installdir*/installedApps/*cell_name* directory:

   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:

   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 fix pack found.

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. We will refer to this directory as *temp_dir*.

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

2. Open a command prompt window

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

4. Switch to the *WC_installdir*/bin directory

5. Run the following command:

   •

      `./fixDeploy.sh` *temp_dir fullpathToEar* `WC_instance_name`

      For example,

      `./fixDeploy.sh /temp/workspace`
      `/WebSphere/AppServer/installedApps/`*myCellName* `WC_demo`

Verify that the script completed successfully, by reviewing the following log file:
`WC_`*installdir*`/logs/fixDeploy.log`

Oracle10g Database (10.0)

If you are using Oracle10g Database (10.0) you must apply the following APAR:

ftp://ftp.software.ibm.com/software/websphere/commerce/
61/561APARS/JR22728_561_runtime.zip

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

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 were created after the installation of the fix pack, will remain at the current fix pack level. Following these 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.

Before you uninstall

1. Ensure that you are logged in as the root user for WebSphere Commerce.
2. Stop the following:
   - 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 16.

Silent uninstall

Removing the fix pack from WebSphere Commerce

1. Using the command line, navigate to the *fp_installdir* directory.
2. Run the following command, replacing where appropriate, 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_fp1_operating_system_uninstall.log
   ```

   The message contains the location of the log file created during uninstall. Uninstallation of the fix pack is complete.
4. If you do not have existing WebSphere Commerce instances or Payments instances, the fix pack uninstallation is complete. If you have existing WebSphere Commerce instances or Payments instances on which the fix pack

has been applied, refer to "Removing the fix pack from existing WebSphere Commerce and Payments instances."

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 you system.

1. Using the command line, navigate to the *fp_installdir* directory.
2. Run the following command, replacing where appropriate, 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_fp1_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_fp1_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.

Graphical user interface uninstall

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.

Note: If you do not have existing WebSphere Commerce instances or Payments instances the fix pack uninstallation is complete. If you have existing WebSphere Commerce instances or Payments instances on which the fix pack has been applied, continue to "Removing the fix pack from existing WebSphere Commerce and Payments instances."

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 or both you have configured on you 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. Check the **Specify product information** check box, then click **Browse**.
5. Navigate to the *WAS_installdir*/installedApps/*cell_name* directory:

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

   a. Click once on 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 once on 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.

Appendix A. Troubleshooting

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 refer to the DTD file that is located on the Sun Microsystems Web site. If the machine cannot connect to this external site, the process fails. To work around this problem, make sure that the machine 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
• Illegal target of jump or branchjavax.servlet.ServletException	Workaround 1. Clear the cached/compiled JSP file classes out of /opt/WebSphere/AppServer/temp/%node%/*instance_name*/*instance_name*/Stores.war 2. Navigate to WAS_*installdir*/bin 3. Precompile the JSP pages. ./JspBatchCompiler.sh -enterpriseapp.name *instance_name* -cell.name %CELL% -node.name %NODE% -server.name *instance_name*

Database users do not have authority to perform operations on objects when using remote DB2/390 Version 8 server

When you purchase orders in a B2B Direct store using remote DB2/390 Version 8 server, you will see a 'Generic Error' web page and receive the following error message in the SystemOut.log file.

COM.ibm.db2.jdbc.DB2Exception: [IBM][CLI Driver][DB2] SQL0551N "TUSERXX" does not have the privilege to perform operation "DELETE" on object "TGUSERXX.TMPRCTLIST". SQLSTATE=42501

To resolve the problem, contact your DB2/390 administrator. DB2/390 SYSADM privilege should be granted to database users with following command:

```
GRANT SYSADM TO TUSERxx in the DB2I
```

Where TUSERXX means the database user to be granted SYSADM privilege.

Failure to execute DELETE SQL statement in staging DB when using a remote DB2/390 Version 8 server

When you execute a DELETE SQL statement in staging database using a remote DB2/390 Version 8 server, the statement will fail and you will receive the following error message:

DB21034E The command was processed as an SQL statement because it was not a valid Command Line Processor command. During SQL processing it returned: SQL0723N An error occured in a triggered SQL statement in trigger "XXXX.STAGXXXX". Information returned for the error includes SQLCODE "42895", SQLSTATE "001," and message tokens "3". SQLSTATE=09000

To resolve the problem, PQ86276/UQ86546 should be applied to the DB2/390 server. For more information about how to apply the PTF, contact your DB2/390 administrator. Download the PTF from this link:

http://techsupport.services.ibm.com/server/390.ShopCart?add=true&ptfs=
UQ86546

For more information about this fix, review interim fix PQ86276 at the following URL:

http://www.ibm.com/support/docview.wss?uid=swg1PQ86276

Errors when invoking WebSphere Commerce stored procedures on DB2 Universal Database for OS/390 or zSeries

When invoking WebSphere Commerce stored procedures on DB2 Universal Database for OS/390 you encounter similar errors:

```
[IBM][CLI Driver][DB2] SQL0551N "TUSER04" does not have the privilege
to perform operation "SELECT" on object "TGUSER04.VERSIONSPC ". SQLSTATE=42501
[IBM][CLI Driver][DB2] SQL0551N "TUSER04" does not have the privilege
to perform operation "CALL" on object "TGUSER04.CURRENTVERSION ". SQLSTATE=42501
```

If you encounter these errors, complete the following steps:

1. Remove all WebSphere Commerce stored procedures by running the db2 drop procedure command in SPUFI on the OS/390 or zSeries. Drop the following stored procedures:
   - ALLOCATEITEM
   - ALLOCBORA
   - ADJUSTINVENTORY
   - AVAILABLEINV
   - AVAILINVSTORE
   - AVAILRADATE
   - AVAILRECEIPTS
   - BACKORDERITEM
   - CURRENTVERSION
   - DELETEBACKORDER
   - EXPSUBA
   - EXPECTEDINV
   - GETITEMS

- INVENTORYALLOCAT
- RAALLOCATION
- REVERSEINVENTORY
- SHIPITEMS

2. Edit each JCL and search for the following lines:

```
BIND PACKAGE(CLMM??) QUALIFIER(SSSSSS) MEMBER(DELETEBA) ACT(REP)
ISO(CS)
```

3. Edit those lines to add the following entries:

```
BIND PACKAGE(CLMM??) OWNER(user_name) QUALIFIER(user_name)
MEMBER(DELETEBA)ACT(REP) ISO(CS)
```

Where the *user_name* is the schema owner.

4. Grant the schema owner the appropriate privileges:

```
GRANT EXECUTE ON PROCEDURE user_name.* TO user_name
```

where *user_name* is the schema owner.

5. Submit the modified JCLs to compile and bind the stored procedures. For more information refer to the following URL:

   http://publib.boulder.ibm.com/infocenter/wchelp/v5r6m1/topic/com.ibm.commerce.developer.doc/tasks/tdecpjsp.htm

6. Verify that the stored procedures are created properly. For more information refer to the *IBM WebSphere Commerce Installation Guide*.

Remote DB2/390 Version 8

Solution for failure to execute DELETE SQL statement in staging DB

DB2 for 390

When you issue a DELETE SQL statement in a WebSphere Commerce staging database using a remote DB2/390 Version 8 server, an additional fix is required on the DB2/390 server side. Contact your DB2/390 administrator to download and apply the DB2/390 PTF Q86276/UQ86546. Download the fixes from this link:

http://techsupport.services.ibm.com/server/390.ShopCart?add=true&ptfs=UQ86546

For more information about this fix, review interim fix PQ86276 at the following link:

http://www.ibm.com/support/docview.wss?uid=swg1PQ86276

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 additional new interim fixes (APARs) below:

Interim fix #	Description
IY71174	Optimization of MemberGroup SQLs
IY71854	Set CardVerifyCode to null after the order is approved
IY71854	Synchronous AutoApprove does not work with 'CVV remove APAR'
IY73830	Pagination not working on Category List page for Promotions
IY73888	Address Dynamic kit under productbehavior
IY73928	Payment amount greater than order amount
IY74025	Targeting Profile not evaluated correctly for Promotions
IY74361	Product Set publish fails with 400+ categories
IY74382	setMessage(byte newMessage[]) catches java.lang exception
IY74837	ContractImportApprovedVersion fails with ampersand '&' symbol
IY75363	Shopping carts do not merge after creating 2nd FFM Center
IY76176	Address SQL issue
IY76507	Address SQL performance issue
IY76589	Subtotal is $0 when using Ad Copy
IY76834	Fixed access intents for product.getChildCatalogEntries().
JR22058	Contract excluded Category appearing on external pages
JR22078	After a hang, jobs still in 'R' state in schactive table
JR22093	Correct republish synced product sets issue
JR22113	Corrected view order summary when the SKU for the gift is deleted issue
JR22223	getSKUName in EProUtil returns null, when CATENTDESC.NAME for an item is empty
JR22330	Log on issue when cookie acceptance test is enabled.
LI70916	notifyOrderSubmitted e-mail not sent when using DoPaymentSimple
SE22167	OrdersMgpPersistListener is disabled but code runs regardless.
SI18855	Custom Promotion is working, but order calc not as expected.

Note: If you have installed other APARs that are not listed above, you will need to reinstall them after applying this fix pack.

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