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

Version 5.6.1.2

IBM

Installation Guide
for Windowsfor OS/400 and i5/OSfor Solarisfor AIXfor 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 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.

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

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Contents

Preface

About this book

This document describes the steps required to apply the IBM® WebSphere®
Commerce 5.6.1.2 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	Updates
First edition	• 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.

▶ AIX indicates information that is specific to WebSphere Commerce for AIX®.

▶ 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®.

▶ 400 indicates information that is specific to WebSphere Commerce for
OS/400® or i5/OS™ for iSeries.

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

| Solaris | indicates information that is specific to WebSphere Commerce for the Solaris Operating System.

| Windows | indicates information that is specific to WebSphere Commerce for Windows® 2000 and Windows 2003.

| 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.

WAS_instance_name
>   This variable represents the name of the WebSphere Application Server instance under which you create your WebSphere Commerce instance. This variable applies to OS/400 and i5/OS only.

Path variables

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

> | AIX | /usr/IBMHttpServer

> | Solaris | | Linux | /opt/IBMHttpServer

> | Windows | c:\Program Files\WebSphere\IBMHttpServer

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

> | WAS 5.1 |

> | AIX | /usr/WebSphere/AppServer

> | 400 | /QIBM/ProdData/WebAS51/Base

> | Solaris | | Linux | /opt/WebSphere/AppServer

Windows c:\Program Files\WebSphere\AppServer

WAS 6.0

AIX /usr/IBM/WebSphere/AppServer

400 /QIBM/ProdData/WebSphere/AppServer/V6/*edition*/

Solaris **Linux** /opt/WebSphere/AppServer

Windows c:\Program Files\WebSphere\AppServer

WAS_userdir
> The directory for all the data that is used by WebSphere Application Server that can be modified or needs to be configured by the user:

WAS 5.1

400 /QIBM/UserData/WebAS51/Base/*WAS_instance_name*

WAS 6.0

400 /QIBM/UserData/WebSphere/AppServer/V6/*edition*/
WAS_profilename

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

AIX /usr/WebSphere/CommerceServer561

400 /QIBM/ProdData/CommerceServer561

Solaris **Linux** /opt/WebSphere/CommerceServer561

Windows c:\Program Files\WebSphere\CommerceServer561

WC_userdir
> The directory for all the data that is used by WebSphere Commerce which can be modified or needs to be configured by the user:

400 /QIBM/UserData/CommerceServer561

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

AIX **Linux** **Solaris**

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
```

400 *WAS_userdir*/installedApps/*cell_name*/WC_*instance_name*.ear

> **Windows**

> **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:

> **AIX**   **Linux**

> **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

> **400**   *WAS_userdir*/installedApps/*cell_name*/
*pay_instance_name*_Commerce_Payments_App.ear

> **Windows**

> **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, 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

Complete the following if you are planning to use 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.

iSeries

▶ 400

Ensure that they have applied the required Program Temporary Fixes (PTFs). For a list of the PTFs available, open the following Web page:

ftp://ftp.software.ibm.com/software/websphere/commerce/561/en/v561ptf.html

Before applying the PTF, view the PTF cover letter for additional instructions.

Red Hat Linux

> 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.
>
> 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 7.
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 8.

- For a graphical install, complete the following section "Graphical user interface install" on page 12.

4. "Post installation steps" on page 15.

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 8.
   2. Replace the `WC_installdir`/instances directory on your target machine, 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. 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 12.
   2. 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

▶ 400 Download and apply the Windows fix pack to the WebSphere Commerce Configuration Manager client node. For the Windows fix pack installation on the Configuration Manager client node, you can choose to use either the silent install method or the graphical user interface install method. This action is in addition to downloading and applying the OS/400 and i5/OS fix pack on the iSeries system where WebSphere Commerce is installed.

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 5.6.1.2 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 29 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_5612_file_name* in the remaining sections of this guide.

4. ▶ 400 ◀ Enter the QShell by typing QSH at the OS/400 or i5/OS command prompt.

5. Navigate to the *fp_installdir* and then extract the files in the *WC_5612_file_name* archive by running the following command:

   `WAS_installdir/java/bin/jar -xvf WC_5612_file_name`

   `jar -xvf WC_5612_file_name`

   `WAS_installdir/java/bin/jar -xvf WC_5612_file_name`

6. ▶ AIX ◀ ▶ Linux ◀ ▶ Solaris ◀ Run the following command:

   `chmod -R 775 fp_installdir`

   For example,

   `chmod -R 775 /5612`

7. ▶ AIX ◀ ▶ Linux ◀ ▶ Solaris ◀ Ensure that you are logged in as the root user.

8. ▶ 400 ◀ Ensure that you are logged in as a user that has QSECOFR authority.

9. ▶ Windows ◀ Ensure that you are logged in with a Windows user ID that is a member of the Administrator group.

10. 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

11. `▶ Windows` Open a new command prompt window for each section of the fix pack install process. This will ensure that your PATH and CLASSPATH variables are reset.

12. `▶ AIX` `▶ Linux` `▶ Solaris` Run the following command:

    `. WAS_installdir/bin/setupCmdLine.sh`

Next step

`▶ AIX` `▶ Linux` `▶ Solaris` `▶ Windows` Install the fix pack by completing one of the following sections:

- "Silent install."
- "Graphical user interface install" on page 12.

`▶ 400` `▶ DB2` for `▶ 390` `▶ z/OS` Install the fix pack by completing the following section:

- "Silent install."

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. `▶ AIX` `▶ Linux` `▶ Solaris` `▶ Windows` Using the command line, navigate to the *fp_installdir* directory.

3. `▶ 400` Enter the QShell by typing QSH at the OS/400 or i5/OS command prompt. Navigate to the *fp_installdir* directory.

4. Run the following command, replacing where appropriate, options specific to your WebSphere Commerce installation.

   `▶ AIX` `▶ 400` `▶ Linux` `▶ Solaris`

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

   `▶ Windows`

   `updateSilent.bat 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 vii.
   - *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,

> AIX   ./updateSilent.sh fixpack install /usr/WebSphere/
CommerceServer561 wc561BE_fp2_aix /5612

> 400   ./updateSilent.sh fixpack install /QIBM/ProdData/
CommerceServer561 wc561BE_fp2_os400 /QIBM/5612

> Linux   ./updateSilent.sh fixpack install /opt/WebSphere/
CommerceServer561 wc561PRO_fp2_linux /5612

> Solaris ./updateSilent.sh fixpack install /opt/WebSphere/
CommerceServer561 wc561PRO_fp2_sun /5612

> Windows updateSilent.bat fixpack install c:\WebSphere\CommerceServer561
wc561EXPRESS_fp2_win c:\5612

5. 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 15 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 updatedb script

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. > AIX   > Linux   > Solaris 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:

> AIX   > Linux   > Solaris

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

> Windows

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

> 400

```
 ./updatedb 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.

   > 400   This is the database name as found in the relational database
   directory.

- *userId*: The user ID of the user who owns the database.

> **400** The owner of the WebSphere Commerce instance.

- *password*: The password of the user who owns the database.

  > **400** The password of the owner of the WebSphere Commerce instance.

- *instance_name*: The name of a previously created WebSphere Commerce instance.
- *dbtype*: DB2390, DB2, or Oracle.
- *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.
- > **Linux** > **DB2** for > **390** *schemaowner*: The schema owner of the database.
- *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`.

> **AIX** > **Linux** > **Solaris** > **Windows** To verify that the script was successful, complete one of the following steps:

- If you are upgrading from WebSphere Commerce Version 5.6.1.0, review the following log file for errors:

  `WC_installdir/logs/updatedb_fpX_dbtype_time_stamp.log`

- If you are upgrading from WebSphere Commerce Version 5.6.1.1 no log file is generated. Any failures or errors are displayed in the command prompt session.

> **400** The session that you ran the `updatedb` script indicates a directory to check to view the log files. The logs files are not located in this directory. Refer to the `/WC_installdir/logs` directory for the appropriate log files.

Note: If the `migFrom` parameter was specified in the `updatedb.sh` command, additional log files are created in directory `/WC_installdir/logs` with names of: `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. > **AIX** > **Linux** > **Solaris** Ensure that you are logged in as the `root` user.
2. > **AIX** > **Linux** > **Solaris** > **Windows** Using the command line, navigate to the *fp_installdir* directory.
3. > **400** Enter the QShell by typing QSH at the OS/400 or i5/OS and command prompt. Navigate to the *fp_installdir* directory.

4. Run the following command, replacing where appropriate, options specific to your WebSphere Commerce installation.

> **AIX**   > **400**   > **Linux**   > **Solaris**

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

> **Windows**

```
updateSilent.bat 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 vii.
- *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 vii.
- *fixpackID*: The name of the fix pack to be installed. For example, wc561BE_fp2_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:

> **AIX**
```
./updateSilent.sh fixpack install /usr/WebSphere/AppServer/
installedApps/myCellName/
WC_demo.ear wc561BE_fp2_aix /5612
```

> **400**
```
./updateSilent.sh fixpack install /QIBM/UserData/WebAS5/Base/
default/installedApps/myCellName/WC_demo.ear wc561EXPRESS_fp2_os400
/QIBM/5612
```

> **Linux**
```
./updateSilent.sh fixpack install /opt/WebSphere/AppServer/
installedApps/myCellName/
WC_demo.ear wc561PRO_fp2_linux /5612
```

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

> **400**
```
./updateSilent.sh fixpack install /QIBM/UserData/WebAS5/Base/
default/installedApps/myCellName/
wpm_Commerce_Payments_App.ear wc561BE_fp2_os400 /QIBM/5612
```

> **Windows**
```
updateSilent.bat fixpack install c:\WebSphere\AppServer\
installedApps\myCellName\
wpm_Commerce_Payments_App.ear wc561BE_fp2_win c:\5612
```

5. 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.

6. The fix pack installation is complete; move on to "Post installation steps" on page 15 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:

   > AIX   > Linux   > Solaris

   ```
   ./updateWizard.sh
   ```

   > Windows

   ```
   updateWizard.bat
   ```

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:

   > Windows   > AIX   > Linux   > Solaris

   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.**

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 15 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 updatedb script

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. > AIX   > Linux   > Solaris   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 ws locale earPath schemaowner [migFrom]
```

```
updatedb.bat dbname userId password instance_name dbtype dbhost
staging locale earPath schemaowner [migFrom]
```

```
./updatedb dbname userId password instance_name dbtype 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.

  400   This is the database name as found in the relational database directory.

- *userId*: The user ID of the user who owns the database.

  400   The owner of the WebSphere Commerce instance.

- *password*: The password of the user who owns the database.

  400   The password of the owner of the WebSphere Commerce instance.

- *instance_name*: The name of a previously created WebSphere Commerce instance.

- *dbtype*: DB2390, DB2, or Oracle, .

- *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 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.

AIX   Linux   Solaris   Windows   To verify that the script was successful, complete one of the following steps:

- If you are upgrading from WebSphere Commerce Version 5.6.1.0, review the following log file for errors:

  WC_installdir/logs/updatedb_fp*X*_dbtype_time_stamp.log

- If you are upgrading from WebSphere Commerce Version 5.6.1.1 the log file is not generated. Any failures or errors are displayed in the command prompt session.

> **400** The session that you ran the `updatedb` script indicates a directory to check to view the log files. The logs files are not located in this directory. Refer to the `/WC_installdir/logs` directory for the appropriate log files.

Note: If the `migFrom` parameter was specified in the `updatedb.sh` command, additional log files are created in directory `/WC_installdir/logs` with names of: `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. ▶ **AIX** ▶ **Linux** ▶ **Solaris** 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:

   ▶ **AIX** ▶ **Linux** ▶ **Solaris**

   ```
   ./updateWizard.sh
   ```

   ▶ **Windows**

   ```
   updateWizard.bat
   ```

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:
   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:

> AIX   > Linux   > Solaris

fp_installdir

> Windows

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
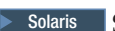
Running the fixDeploy tool

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. > AIX   > Linux   > Solaris   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:

   - > AIX   > Linux   > Solaris

   `./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`

- ▶ 400 `./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, /QIBM/UserData/WebAS51/Base/default
  - WAS 6.0 ▶ This is the WebSphere Application Server profile path where the WebSphere Commerce EAR is deployed. For example, /QIBM/UserData/WebSphere/AppServer/V6/Base/profiles/default.

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

  For example,

  ```
  ./fixDeploy.sh /QIBM/tmp/workspace /QIBM/UserData/WebAS51/Base/
  default/ demo
  ```

- ▶ Windows `fixDeploy.bat` *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, C:\WebSphere\AppServer
  - WAS 6.0 ▶ This is the WebSphere Application Server profile path where the WebSphere Commerce EAR is deployed. For example, C:\WebSphere\AppServer\profiles\default.

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

  For example,

  ```
  fixDeploy.bat c:\temp\workspace C:\WebSphere\AppServer demo
  ```

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

```
WC_installdir/logs/fixDeploy.log
```

Updating file permissions

▶ AIX ▶ Linux ▶ Solaris

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 file permissions

iSeries

This section updates file ownership and permissions on i5/OS systems.

1. Open a QSH session.
2. Navigate to the *WC_installdir*/bin directory.
3. Run the following command:

   iSeriesFileAuth.sh

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

Upgrading Taxware Sales and Use Tax Solution to 3.5.2 or higher

If you use Taxware you must update it after you have installed the WebSphere Commerce 5.6.1 fix pack. For information on updating Taxware refer to 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 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. > AIX > Linux > Solaris Ensure that you are logged in as the root user for WebSphere Commerce.

2. > 400 Ensure that you are logged in as a user that has QSECOFR authority.

3. > Windows Ensure that you are logged in with a Windows user ID that is a member of the Administrator group.

4. 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

> AIX > Linux > Solaris > Windows Uninstall the fix pack by completing one of the following sections:
* "Silent uninstall."
* "Graphical user interface uninstall" on page 21.

> 400 > DB2 for > 390 > z/OS Uninstall the fix pack by completing the following section:
* "Silent uninstall."

Silent uninstall

Removing the fix pack from WebSphere Commerce

1. > AIX > Linux > Solaris > Windows Using the command line, navigate to the *fp_installdir* directory.

2. > 400 Enter the QShell by typing QSH at the OS/400 or i5/OS command prompt. Navigate to the *fp_installdir* directory.

3. Run the following command, replacing where appropriate, options specific to your WebSphere Commerce installation.

> AIX   > 400   > Linux   > Solaris

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

> Windows

```
updateSilent.bat fixpack uninstall WC_installdir fixpackID
```

4. 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.

5. 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. > 400   Enter the QShell by typing QSH at the OS/400 or i5/OS command prompt. Navigate to the *fp_installdir* directory.

3. Run the following command, replacing where appropriate, options specific to your WebSphere Commerce installation.

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

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 vii.

fixpackID
     The name of fix pack to be uninstalled. For example, wc561BE_fp2_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_fp2_os400
```

```
updateSilent.bat fixpack uninstall c:\WebSphere\AppServer\installedApps\
cell_name\ pay_instance_name_Commerce_Payments_App.ear wc561BE_fp2_win
```

4. 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:

   > AIX

   > Solaris

   > Linux

   > 400

   ```
   ./updateWizard.sh
   ```

   > Windows

   ```
   updateWizard.bat
   ```

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:

   > AIX

   > Solaris

> Linux

> 400

```
./updateWizard.sh
```

> Windows

```
updateWizard.bat
```

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 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 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 on page 21.
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 running acpload.cmd - The input line is too long

You may encounter an error claiming "The input line is too long" when executing the acpload.cmd post-installation step. The commands called in the acpload.cmd script are too long for the Windows command line because of large variables used. This is usually caused by a large CLASSPATH variable.

To resolve the problem, you must redefine the CLASSPATH variable in your command (DOS) environment to reduce its size. Ensure that you do not remove entries for your database software. In your command window, you can reset the CLASSPATH variable with the set command.

For example:

```
C:\WebSphere\CommerceServer\bin\>set CLASSPATH='...'
```

Where '...' represents the path entries you choose to use in your class path. After the CLASSPATH variable is redefined, run the acpload.cmd again as documented in the post-installation section of the document.

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* ./JspBatchCompiler.bat -enterpriseapp.name *instance_name* -cell.name %CELL% -node.name %NODE% -server.name *instance_name*

WebSphere Commerce Payments instance creation fails to create an entry in the Digital Certificate Manager

During WebSphere Commerce Payments instance creation, the `QIBM_HTTP_SERVER_pay_instance` entry may not be created within Digital Certificate Manager. This problem is experienced when SSL is configured for the WebSphere Commerce Payments instance. To correct the problem, review the information contained in this section.

• The cause of this problem may originate in the QBATCH subsystem. On the machine where you have installed WebSphere Commerce Payments, check the settings in the QBATCH subsystem:

   1. Ensure that the QBATCH subsystem is running. To ensure that the subsystem is running, use the following command:

      `WRKACTJOB`

   2. The Configuration Manager submits a job to the QBATCH subsystem in order to add an entry into Digital Certificate Manager. The job may be held or may not be able to run. Use the following OS/400 commands to increase the entries:

      `WRKJOBQ *ALL`

      Search for the QBATCH job queue. This job queue shows waiting job queue entries. Working with the QBATCH job queue shows additional information on the jobs that are waiting to be scheduled. Look for a job that will add an entry into the Digital Certificate Manager.

      The OS/400 command `DSPSBSD QBATCH` presents a menu of options. The **Job queue entries** option shows the number of jobs that can be active in the subsystem at any given time. If the MAX ACTIVE is set to 0 or 1, increase this using the following command:

      `CHGJOBQE QBATCH`

      This command allows you to alter the MAXACT parameter.

• The cause of the problem originates in the user profile settings. On the machine where you have installed WebSphere Commerce Payments, complete the following:

   1. Run the following command:

```
DSPUSRPRF <F4>
```

2. In the `User Profile` field, enter the profile ID that starts the Configuration Manager server.

3. Record the value of the `Job Description` and `Library` fields and return to the command line.

4. Run the following command:

```
CHGJOBD <F4>
```

5. Enter the values recorded in 3.

6. Press the `F9` and `F10` keys to display additional parameters.

7. Change the `HOLD` field to `*NO`.

8. Ensure that the user profile that starts the Configuration Manager logs off and then logs back onto the system.

9. If needed, restart the Configuration Manager server and create a new WebSphere Commerce Payments instance.

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 iSeries for OS/390 or zSeries

When invoking WebSphere Commerce stored procedures on DB2 Universal
Database™ for iSeries 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

Precompiling JSP files on OS/400 or i5/OS

400

If you are running WebSphere Commerce on OS/400 or i5/OS, precompile your JSP files before launching your store by completing the following steps:

1. Backup and delete the *WAS_userdir*/Base/*WAS_instance_name*/temp/*cell_name*/ WC_*instance_name* /WC_*instance_name*/Stores.war directory.
2. Start a QShell session (STRQSH) and navigate to the *WAS_installdir*/bin directory.
3. Run the following command:

```
JspBatchCompiler -enterpriseapp.name WC_instance_name -node.name cell_name
 -webmodule.name module_name -instance WAS_instance_name
 -server.name WC_instance_name
```

For example,

```
JspBatchCompiler -enterpriseapp.name WC_demo -node.name HOSTNAME1
 -webmodule.name Stores.war -instance default
 -server.name WC_demo 1> /qibm/pre_compile.log 2>&1
```

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) 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().
IY69062	Provide recycling fee functionality to tax integration kit
IY76886	WebSphere Commerce Accelerator hangs when searching by a catgroup name
IY77045	Select statements used by dynacache invalidation to be modified
IY77725	Filter behavior when refer to deleted category
IY77789	Inclusion tc with Filter tc
IY77798	OrderItemMove calls MiscCmdLockItemSpecs when ATP is not enable
IY78564	Flag to enable SKU in PMT from Catalog Management
IY78613	Modify Search Code to use the correct Standard Price definition
IY78928	PD_COMMHOSTNAME null and throws null pointer exception
IY79680	Free Gift set as Nonbuyable creates NullPointer and Generic Error
IY79858	Profile Type incorrectly set to 'C' when logging in via LDAP
IY79886	Error in WebSphere Commerce Accelerator when finding product not in catalog filter
IY80068	Add flush() in the sendToTrashCan() method
IY80223	JMSReplyTo was not set for SendTransactedMsg
IY80583	Cannot add product to a category if it belongs to many catalogs
IY80585	For Business Direct, cannot create or delete e-spots from WebSphere Commerce Accelerator

IY80667	wcep:imglink does not resolve non-standard ports
IY80849	Cannot add product with vertical line to campaign using Browse
IY81200	Massloader fails when large CLOB is loaded with Oracle Thin driver
IY81419	In WebSphere Commerce Accelerator, under file management, users are unable to delete individual files
IY81965	Hitting 4K clob limit with AttachmentJDBCHelperBean-Oracle
IY82039	Add a configurable rounding system into promotion engine
IY82080	IdResGen does not use open cursors efficiently
IY82308	Makes 'cursor hold' parameter optional.
IY82589	Contracts and filtering differences in Master and Sales Catalogs
IY82628	OrderPrepareCmd handles the free gift item like OrderCalculate
IY82844	Cannot find user organization with consecutive spaces in LDAP
IY82949	Cannot rename files from ManageFiles GUI in WebSphere Commerce Accelerator
IY82972	Need to trim trailing space on Ad Copy Name
IY83337	FileUploadAccessBean fires update to FILEUPLOAD table during read
IY83748	Unable to delete template that is assigned to a category in WebSphere Commerce Accelerator
IY83823	PricingDataBean using commitCopyHelper()
IY83995	Domain Name should be able to handle \,
IY84081	Performance fix to have promotion engine use the information already saved in the context object
IY84098	Cannot delete shared requisition list
IY84389	PCI enablement
IY85022	User search from WebSphere Commerce Accelerator locks up the whole table
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
JR22108	CSA order item discount is not calculated properly is some cases
JR22412	Catalog filter base contract adjustment
JR22418	Marketing Initiative not working properly with Customer Profile
JR22442	Long catentry_id gets truncated in WebSphere Commerce Accelerator
JR22475	langId param. in URL requires browser refresh to affect language
JR22511	Product Name and Description showing -9999 in WebSphere Commerce Accelerator reports
JR22514	Improve interface to allow customization for contract selection
JR22536	Password required for startup cannot be cleared in Configuration Manager

JR22573	ProcessBackorders messes up order information in ORDPAYINFO
JR22574	MassExtract utility extracts passwords incorrectly from Oracle
JR22594	SupplierHub reset password fails if no challengeAnswer given
JR22701	Do not store contract XML in the database for buyer contracts
JR22762	In com.ibm.commerce.order.commands.OrderProcessCmdImpl.reverse
JR22773	Order Place in WebSphere Commerce Accelerator fails if Quantity > Inventory
JR22782	French characters get corrupted in WCMSRecord.compuseMimeMessag
JR22786	getParentProductDataBean() method in ItemDataBean does not work
JR22868	resultOrder of ESPOT_RESULT_ORDER_ORIGINAL not functioning
JR22882	Can add item to cart if no inventory, and backorderable='N'
JR22892	Change Tax page of WebSphere Commerce Accelerator does not load
JR22893	Lowest Contracted Price incorrect.
JR22898	New bid and autobid in auctions gives JavaScript error
JR22913	MemoryLeak: free memory exhaust in JVM
JR22920	Non-US format in WebSphere Commerce Accelerator causes error in Edit of Orders
JR22942	Original store promotion will not work if segment is from related store
JR22988	Dialog boxes in WebSphere Commerce Accelerator (WC Tools) are empty
JR23005	fixDeploy not able to execute when there are spaces in the path
JR23109	StoreID is lost when administrator logs into the WebSphere Commerce Accelerator.
JR23125	Need to show massload completion status as 1 or 0 when complete
JR23139	TAXAUDIT file record gets written before Payment approval
JR23150	Resolve SKU method is not returning the correct SKUfor the promotion
JR23155	Wrong sets of master prices lists are returned
JR23243	Free shipping promotion fails with multiskufilter with only one SKU
JR23244	Billing Address sometimes missing from ORDERS table
JR23466	Need to make customization of category create cmd possible.
JR23543	Unable to display more than 20 users in included customer
JR23657	Catalog search tool should support items and products that cannot be bought
JR23688	Cannnot assign shipping codes to products, only items
JR23692	SQLSTATE=22001 while publishing FashionFlow in WC561
JR24013	NoClassDefFound error when enabling VisaNet Cassette.
LI70916	notifyOrderSubmitted e-mail not sent when using DoPaymentSimple
LI70922	CodeDrivenAgendaBuilder for promotions
LI70934	Product description field length does not comply with TF standard
LI70965	Deadlock on store creation for organization using Payment Manager
LI70967	Add ability to disable database call to SUBORDERS table
LI71087	Username and password un-specified with SMTP/e-mail setup

LI71090	Deleting a shippingmode in WebSphere Commerce Accelerator deletes related orderitems
LI71096	Estimated shipping date does not show the actual date
LI71098	Shipping charge of $0 not allowed at JSP level
LI71173	User should not be able to register to a rejected Organization
LI71188	Cannot give 100% of discounts for a coupon
LI71201	UTF codeset checking does not work on Linux
LI71252	When e-mail notification is enabled for a guest shopper, two order cancellation e-mails are sent to shoppers.
SE22167	OrdersMgpPersistListener is disabled but code runs regardless.
SE23533	Payments user roles cannot be assigned for many merchants
SE25158	SQL Statement exceeds maximum size in AS/400 DB2 (SQLException)
SI18855	Custom Promotion is working, but order calculation is not as expected.
SI21283	User traffic data is not captured with dynacache enabled
SI23299	Inventory table is out of sync with orders on i5/OS

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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