WebSphere® Commerce Developer Edition
Commerce – Express Developer Edition

Version 5.6.0.3

IBM

Update Guide

> **Note:**
>
> Before using this information and the product it supports, be sure to read the general information under "Notices" on page 13.

Contents

Preface

About this book

This document describes the steps required to apply the IBM® WebSphere®
Commerce 5.6.0.3 update to the following products:

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

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.

▶ DB2   Indicates information specific to DB2 Universal Database™.

▶ Oracle   Indicates information specific to Oracle 9i Database.

▶ Cloudscape   Indicates information specific to IBM Cloudscape™ database.

Terminology used in this book

update_name
> The name of the update chosen by the user.

Path variables

WCDE_installdir
> This is the installation directory for WebSphere Commerce Developer
> Edition and WebSphere Commerce — Express Developer Edition. The
> default installation directories are:
>
> ▶ Business   C:\WCToolkitBE56
>
> ▶ Professional   C:\WCToolkitPro56

> **Express** C:\WCToolkitExpress56

WSAD_installdir
This is the installation directory for WebSphere Studio Application Developer. The default installation directory for WebSphere Studio Application Developer is C:\Program Files\IBM\WebSphere Studio\Application Developer\v5.1.1.

Where to find more information

For information on WebSphere Commerce Developer, refer to the following Web sites:

- WebSphere Commerce Library
  (http://www.ibm.com/software/commerce/library/)
- WebSphere Commerce Support
  (http://www.ibm.com/software/commerce/support/)

Chapter 1. Prerequisites

Technotes

The following technote provides a link to all technotes related to the WebSphere Commerce 5.6.0.3 fix pack. Please read all WebSphere Commerce fix pack 5.6.0.3 related technotes before installing the WebSphere Commerce 5.6.0.3 fix pack. 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 Master Technote is:

http://www.ibm.com/support/docview.wss?uid=swg21173312

Prerequisites for customized code or workspace

A list of the files updated by this fix pack is provided at the WebSphere Commerce 5.6.0.3 fix pack download page. You may access the WebSphere Commerce 5.6.0.3 fix pack download page at the following URL:

http://www.ibm.com/support/docview.wss?uid=swg24008748

If you have made custom modifications to any of these files, you may wish to back them up. To re-implement the customization, you must merge the files you have backed up with the 5.6.0.3 level files. For further instructions on this subject, check the WebSphere Commerce Technotes page for updates.

WebSphere Application Server prerequisites

Note: If you are installing from an existing fix pack level (5.6.0.1 or 5.6.0.2), then the interim fix is already applied. Move on to the next section and complete any applicable steps.

If you are using WebSphere Application Server Version 5.0.2.3 as your integrated test environment, download the WebSphere Application Server interim fix PQ86604 and install it on the WebSphere Application Server version 5 test environment. The link to PQ86604 is http://www.ibm.com/support/docview.wss?uid=swg24007050. The path to the WebSphere Application Server version 5 test environment is *WSAD_installdir*\runtimes\base_v5.

After installing the WebSphere Application Server interim fix PQ86604, the largebranch option in the JSP compiler must be enabled. To enable the largebranch option complete the following steps:

1. Start the WebSphere Commerce development environment.

   To start the WebSphere Commerce development environment, do one of the following, depending on your edition of WebSphere Commerce Developer:

   > Business Select **Start > Programs > IBM WebSphere Commerce Developer Business Edition > WebSphere Commerce development environment**

   > Professional Select **Start > Programs > IBM WebSphere Commerce Developer Professional Edition > WebSphere Commerce development environment**

   > Express Select **Start > Programs > IBM WebSphere Commerce - Express Developer > WebSphere Commerce development environment**

2. Switch to the **Servers** perspective.

3. In the **Servers** window click on the **Servers** tab.
4. For each one of your servers complete the following steps to enable large branching on the server.
   a. Double-click on the server name. For example, double-click on **Lightweight WebSphere Commerce Test Environment**.
   b. In the window that opens, under **Server Settings**, expand **System Properties**.
   c. Click **Add**.
   d. In the **Name** field enter:

      com.sun.tools.javac.main.largebranch

      in the **Value** field enter:

      true
   e. Click **OK**.
5. Save your changes.

Note: The preceding fix needs to be applied to all test environments including the ones created after the fix pack has been installed. For example, if you originally used the Lightweight WebSphere Commerce Test Environment server, but later switch to the Full WebSphere Commerce Test Environment server, you must enable the PQ86604 fix on the new server after you switch to using it.

Chapter 2. Applying the update

> **Important:**
> Ensure that WebSphere Commerce Developer and WebSphere Commerce are at the same fix pack level. If you apply a fix pack to WebSphere Commerce Developer, apply the same fix pack to WebSphere Commerce. WebSphere Commerce fix packs apply to both WebSphere Commerce Developer and WebSphere Commerce.

Downloading the fix pack using the Update Manager

After you have completed the prerequisite steps, you must download the fix pack code and its associated installer by doing the following:

1. Ensure you have WebSphere Commerce development environment open. You may refer back to step 1 of Chapter 1, "Prerequisites," on page 1, for detailed information on how to open this environment.
2. From the **Help** menu, select **Software Updates** —> **Update Manager**.
3. In the Feature Updates window, right-click **Sites to Visit** and select **New** —> **Site Bookmark**.
4. A New Site Bookmark window will open. In the **Name** field, type a name for the update. For example, 5603. For the rest of the steps, the variable *update_name* will be used to represent the name chosen. In the **URL** field, type:

   ▶ Business

   ```
   ftp://ftp.software.ibm.com/software/websphere/commerce/56/5603/
   toolkit/BE/site.xml
   ```

   ▶ Professional

   ```
   ftp://ftp.software.ibm.com/software/websphere/commerce/56/5603/
   toolkit/PE/site.xml
   ```

   ▶ Express ```ftp://ftp.software.ibm.com/software/websphere/commerce/56/5603/toolkit/EXPRESS/site.xml```
5. Click **Finish**. A new entry named *update_name* is created in the Feature Updates window.
6. Select *update_name* —> **WebSphere Commerce Toolkit V5.6 Fixes** —> **WebSphere Commerce Toolkit Fix Pack 5.6.0.3**.
7. In the Preview window click **Install** to begin the installation.
8. Click **Next** to confirm the feature you are about to install.
9. Accept the terms of the license agreement and click **Next** to continue.
10. Click **Finish** to begin the installation.
11. If a window opens with a warning: `You are about to install an unsigned feature,` click **Install**. The installer will begin downloading the update files. When the files have been downloaded the update wizard will start.

Note: The installer and the fix pack will be downloaded to the *WSAD_installdir\Installer* directory.

Applying the fix pack to WebSphere Commerce Developer

After the download has completed, the installer automatically opens. To perform the installation, do the following:

1. When the installer window opens, select a language and then click **OK**.
2. Click **Next** to continue.
3. Click **Specify product information**. Under **Installation directory**, type the following:

   WCDE_installdir

   For example,

   `C:\WCToolkitBE56`

   Click **Next**.
4. Select **Install fix packs**. Click **Next**.
5. Under **Fix Pack Directory**, type the following:

   WSAD_Installdir`\Installer`

   Click **Next**.
6. Select the fix pack to be installed. Click **Next**.
7. Click **Next** to begin the fix pack install.
8. Ensure that the installer displays the message `The following fix pack was successfully installed`. If you do not get this message the installer will indicate the log files to check.
9. Click **Finish**.
10. Click **Yes** if prompted to restart the workbench.
11. Complete the required post update steps in Chapter 3.

Chapter 3. Post update steps

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

Advisory for creating a new WebSphere Commerce test environment or database

You must manually update the Channel Manager access control policies any time you create a new WebSphere Commerce test environment or a new database after WebSphere Commerce Developer 5.6 fix pack 3 is installed. If this is the case, please ensure that you complete the steps described in the "Updating Channel Manager access control policies" on page 6.

Installing Interim Fix JR20958

This interim fix installs files that are not included in the fix pack. Download and install interim fix JR20958 from the WebSphere Commerce 5.6.0.3 download page (http://www.ibm.com/support/docview.wss?uid=swg24008748). The instructions for installing the interim fix are packaged with the zip file.

Re-configuring DB2® or Oracle database

If you have an existing full WebSphere Commerce test environment with either DB2 Universal Database or Oracle 9i Database, you must run the `setdbtype` command to re-configure the database. Refer to the *WebSphere Commerce Developer Version 5.6 Installation Guide* for details on how to run this command. Use the same parameter values as when you originally executed this command.

Running the updatedb script

If you have an existing WebSphere Commerce test environment, you must run the `updatedb` command to update the database

Note: DB2 Universal Database users must run the updatedb script in the DB2 Command Window.

1. Navigate to the *WCDE_installdir*\bin directory.
2. Run the following command:

   ▶ DB2   ▶ Oracle   `updatedb.bat dbname userId password schema_name`

   ▶Cloudscape `updatedb.bat`

   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
   - *schema_name*: The schema name of the database

   To verify that the script was successfully completed, look at the schemacreation_*.log file located in the *WCDE_installdir*/logs directory.

Updating Channel Manager access control policies

Note: you must update the access control policies if you have any existing WebSphere Commerce test environment, create a new WebSphere Commerce test environment or every time you create a new database.

Before loading the specified access control policy file, please ensure that you have not customized the specified policy below. Otherwise, please contact WebSphere Commerce Support for assistance.

1. Checking for customization:
   a. Connect to the server database
   b. Ensure that the existing policies have not changed by running the following SQL queries:
      1) select mbrgrpname, groupname, grpname from acpolicy p, mbrgrp m, acactgrp a, acresgrp r where policyname in ('ChannelManagersExecuteStoreStateChangeCommandsOnStoreResource') and p.member_id = -2001 and p.mbrgrp_id = m.mbrgrp_id and p.acactgrp_id = a.acactgrp_id and p.acresgrp_id = r.acresgrp_id

         This should return the following:
         - MBRGRPNAME is 'ChannelManagers'
         - GROUPNAME is 'StoreStateChangeCmdActionGroup'
         - GRPNAME is 'StoreDataResourceGroup'
      2) select mbrgrpname, groupname, grpname from acpolicy p, mbrgrp m, acactgrp a, acresgrp r where policyname in ('ChannelManagersExecuteOrgEntityLockCommandsOnOrgResource') and p.member_id = -2001 and p.mbrgrp_id = m.mbrgrp_id and p.acactgrp_id = a.acactgrp_id and p.acresgrp_id = r.acresgrp_id

         This should return the following:
         - MBRGRPNAME is 'ChannelManagers'
         - GROUPNAME is 'OrgEntityLockActionGroup'
         - GRPNAME is 'OrganizationDataResourceGroup'
      3) select mbrgrpname, groupname, grpname from acpolicy p, mbrgrp m, acactgrp a, acresgrp r where policyname in ('ChannelManagersExecuteStoreCategoryUpdateCommandsOnStoreData ResourceGroup') and p.member_id = -2001 and p.mbrgrp_id = m.mbrgrp_id and p.acactgrp_id = a.acactgrp_id and p.acresgrp_id = r.acresgrp_id

         This should return the following:
         - MBRGRPNAME is 'ChannelManagers'
         - GROUPNAME is 'StoreCategoryUpdateCommands'
         - GRPNAME is 'StoreEntityDataResourceGroup'

      If all of the SQL results are as shown, please continue with step 2, otherwise please contact WebSphere Commerce Support for assistance.
2. To load policy updates to the database, complete the following steps:
   a. Ensure that the d88838ChMgrAccessControlPolicies.xml file is in the following location:

      `WCDE_installdir\xml\policies\xml`
   b. Run the following command:

      ▶ DB2   ▶ Oracle `WCDE_installdir\bin\acpload.bat dbname userID password  d88838ChMgrAccessControlPolicies.xml [schema_name]`

`Cloudscape` *WCDE_installdir*\bin\acpload.bat
d88838ChMgrAccessControlPolicies.xml

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.
- *schema_name*: The name of your database schema.

c. Ensure that the script was successfully completed, do the following:

- Ensure that no errors are found in the acpload.log file located in the *WCDE_installdir*/logs directory.
- Ensure that there is no generated file with the word "error" in the file name located in the *WCDE_installdir*/xml/policies/xml directory.

d. Restart the WebSphere Commerce Server for changes to come into effect.

Updating the WebSphere Commerce documentation

Update the content of the Information Center by using Update Manager from within the WebSphere Commerce development environment. Create a new Site Bookmark using one of the following links:

`Business` ftp://ftp.software.ibm.com/software/websphere/commerce/56/5603/
ID/BE/site.xml

`Professional` ftp://ftp.software.ibm.com/software/websphere/commerce/56/5603/
ID/PE/site.xml

`Express` ftp://ftp.software.ibm.com/software/websphere/commerce/56/5603/
ID/EXPRESS/site.xml

For more detailed instructions, refer to "Downloading the fix pack using the Update Manager" on page 3 for a similar procedure.

Chapter 4. Removing the update

Uninstall APAR

Before removing the WebSphere Commerce Developer fix pack, you must first uninstall the fix pack APAR JR20958. The instructions to uninstall the APAR is packaged with the APAR zip file.

Removing the fix pack from WebSphere Commerce Developer

The fix pack uninstall process will modify a list of files that is specified in Chapter 1, "Prerequisites," on page 1. If you have made customization to any of these files, you should back them up, but be aware that some of the features specific for fix pack level 5.6.0.3 will no longer be available after it is uninstalled.

1. Ensure that WebSphere Studio Application Developer is not running.
2. Navigate to the *WSAD_installdir\Installer* directory and double-click **updateWizard.bat**.
3. Select a language and then click **OK**.
4. Click **Next** to continue.
5. Click **Specify product information**. Under **Installation directory**, type the following:

   WCDE_installdir

   For example,

   `C:\WCToolkitBE56`

   Click **Next**.
6. Select **Uninstall fix packs**. Click **Next**.
7. Select the fix pack to be uninstalled. Click **Next**.
8. Click **Next** to uninstall the fix pack.
9. Ensure that the installer displays the message `The following pack was successfully uninstalled`. If you do not get this message the installer will indicate the log files to check.
10. Click **Finish**.

Chapter 5. Troubleshooting

Accessing backup files

The WebSphere Commerce Developer fix pack update installer makes a backup of all the files modified during the fix pack installation. If you have made customization and want to check with the pre-fix pack files, they can be found in a zip file in the following directory:

WCDE_installdir\properties\version\backup

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