IBM WebSphere Commerce Studio IBM WebSphere Commerce — Express Developer Edition



Update Guide

Version 5.5.04

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Version 5.5.04

Note:

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

Second Edition, July 2004

This edition applies to IBM WebSphere Commerce Studio Business Edition Version 5.5, IBM WebSphere Commerce Studio Professional Edition Version 5.5, and IBM WebSphere Commerce — Express Developer Edition.

It also applies to all subsequent releases and modifications until otherwise indicated in new editions. Ensure you are using the correct edition for the level of the product.

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Preface

About this book

This document describes the steps required to apply the IBM® WebSphere® Commerce 5.5.0.4 update to WebSphere Commerce Studio 5.5 or WebSphere Commerce — Express Developer.

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.

Terminology used in this book

update_name

The name of the update chosen by the user.

Path variables

WCStudio_installdir

This is the installation directory for WebSphere Commerce Studio. The default installation directory for WebSphere Commerce Studio is C:\WebSphere\CommerceStudio55.

WCDE_installdir

This is the installation directory for WebSphere Commerce — Express Developer Edition. The default installation directory for WebSphere Commerce — Express Developer Edition is C:\WebSphere\CommerceDev55.

WCStudio_workspacedir

This is the directory for the WebSphere Commerce Studio workspace. The default workspace directories are as follows:

DB2 C:\WebSphere\workspace_db2

Oracle C:\WebSphere\workspace_oracle

WCDE_workspacedir

This is the directory for the WebSphere Commerce — Express Developer Edition workspace. The default workspace directory is C:\WebSphere\workspace_db2.

WSAD installdir

This is the installation directory for WebSphere Studio Application Developer. The default installation directory for WebSphere Studio Application Developer is C:\WebSphere\Studio5.

Where to find more information

For information on WebSphere Commerce Studio, 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. Update steps

Installation overview

The fix pack install consists of the following sections:

- · "Prerequisites"
- "Before you update"
- "Updating the toolkit" on page 2
 - "Downloading the fix pack using the Update Manager" on page 2
 - "Applying the fix pack to WebSphere Commerce Studio" on page 2
 - "Updating the instance configuration files" on page 3
 - "Running the updatedb script" on page 3
 - "Applying the fix pack to your workspace" on page 4
- Chapter 2, "Post update steps," on page 5
 - "Updating the WebSphere Commerce server data source" on page 5
 - "Updating the Javadoc API documentation" on page 6

Prerequisites

- This update requires your WebSphere Studio Application Developer to be at a minimum level of 5.0.1. This fix pack also supports WebSphere Studio Application Developer versions 5.1 and 5.1.1
- If you are using WebSphere Studio Application Developer version 5.1.1, download the interim fix PQ75634 and install it on the WebSphere Application Server version 5 test environment. The path to the WebSphere Application Server version 5 test environment is WSAD_installdir\runtimes\base_v5. You do not need to apply this interim fix to the WebSphere Application Server version 5.1 test environment.

Before you update

- Business Professional Move all the files in the WCStudio_installdir\Commerce\properties\version directory to the WCStudio_installdir\properties\version directory.
- If you are using WebSphere MQ then backup the following file in order to preserve customization made to this file.

Business Professional Navigate to the WCStudio_workspacedir\WebSphereTestEnvironment\ WebSphereCommerceServerConfiguration.wsc\cells\localhost\nodes\ localhost\servers\server1 directory. Back up the resources.xml file.

Navigate to the WCDE_workspacedir\WebSphereTestEnvironment\WebSphereCommerceServerConfiguration.wsc\cells\localhost\nodes\localhost\servers\server1 directory. Back up the resources.xml file.

Updating the toolkit

Downloading the fix pack using the Update Manager

- 1. Business Professional Start WebSphere Studio Application Developer.
 - Express Start WebSphere Commerce Express Developer.
- 2. From the Help menu, select Software Updates —> Update Manager.
- 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, 5504. 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/55/5504/ studio/BE/site.xml

Professional

ftp://ftp.software.ibm.com/software/websphere/commerce/55/5504/
studio/PE/site.xml

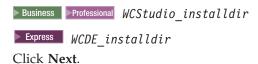
ftp://ftp.software.ibm.com/software/websphere/commerce/55/5504
/studio/EXPRESS/site.xml

- 5. Click **Finish**. A new entry named *update_name* is created in the Feature Updates window.
- 6. Select *update_name* —> WebSphere Commerce Studio V5.5 Fixes —> WebSphere Commerce Studio Fix Pack 5.5.0.4.
- 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: Once the update files have been downloaded to your machine you may run the update wizard at another time by navigating to the *WSAD_installdir\Installer* directory and double-clicking **updateWizard.bat**.

Applying the fix pack to WebSphere Commerce Studio

- 1. If the installer does not automatically start, navigate to the WSAD_installdir\Installer directory and double-click updateWizard.bat to start the update wizard.
- 2. Select a language and then click **OK**.
- 3. Click Next to continue.
- 4. Click **Specify product information**. Under **Installation directory**, type the following



5. Select Install fix packs. Click Next.

6. Under Fix Pack Directory, type in the following: WSAD installdir\Installer\studio

Click Next.

- 7. Select the fix pack to be installed. Click **Next** to continue.
- 8. Click **Next** to install the fix pack.
- 9. 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.
- 10. If you do not have any previously created WebSphere Commerce instances or workspaces, the installation is complete; click Finish.
- 11. Click **Yes** if prompted to restart the workbench.
- 12. Move on to Chapter 2, "Post update steps," on page 5 and complete any applicable steps. If you do have previously created WebSphere Commerce instances or workspaces, complete the following sections.

Updating the instance configuration files

If you have existing WebSphere Commerce instances created, the following steps must be completed in order to update the instance XML files to the fix pack 4 level.

1. Navigate to the following directory:



2. Run the following command:

```
Business Professional config ant.bat -buildfile
WCStudio installdir\Commerce\xml\config\updateInstances.xml
-DupdateCEP=no
Express config ant.bat -buildfile
WCDE installdir\Commerce\xml\config\updateInstances.xml -DupdateCEP=no
```

To verify that the script was successfully completed look at the updateInstance.log file located in the following directory:

```
Business Professional WCStudio_installdir/Commerce/logs
Express WCDE installdir/Commerce/logs
```

Running the updatedb script

Repeat this section for each WebSphere Commerce instance you have configured on your system.

1. Navigate to the following directory:

```
Business Professional WCStudio installdir\Commerce\bin
Express WCDE installdir\Commerce\bin
```

2. Run the following command:

updatedb.bat dbname userId password instanceName dbtype dbhost staging locale.

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.
- *instanceName*: The name of a previously created WebSphere Commerce instance.
- *dbtype*: Either DB2 or Oracle.
- *dbhost*: The host name of the machine where the database resides.
- staging: Either Y or N if your database is for the staging server.
- 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.

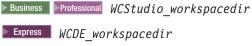
To verify that the script ran successfully, look at the schemacreation_fp4_<*dbtype*>_<*time_stamp*>.log file located in the following directory:



Applying the fix pack to your workspace

Repeat this section for each WebSphere Commerce Studio workspace you have configured on your system.

- 1. Navigate to the WSAD_installdir\Installer directory.
- 2. Double-click **updateWizard.bat** to start the installer.
- 3. Select a language and then click **OK**.
- 4. Click Next to continue
- Click Specify product information. Under Installation directory, type the following:



Click Next.

- 6. Select Install fix packs. Click Next.
- 7. Under Fix Pack Directory, type the following: *WSAD_installdir*\Installer\workspace

Click Next.

- 8. Select the fix pack to be installed. Click Next to continue.
- 9. Click **Next** to install the fix pack.
- 10. 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.
- 11. Click **Finish** to complete the installation.
- 12. Click Yes if prompted to restart the workbench.
- 13. The fix pack installation is complete. Move on to Chapter 2, "Post update steps," on page 5 and complete any applicable steps.

Chapter 2. Post update steps

Updating the WebSphere Commerce server data source

Before you can start the WebSphere Commerce server in the WebSphere test environment, you must update the WebSphere Commerce server data source with the correct database user password.

To update the WebSphere Commerce server data source, do the following:

- 1. Start WebSphere Commerce Studio by selecting Start→Programs→IBM WebSphere Commerce Studio→WebSphere Commerce development environment.
- 2. In the J2EE Hierarchy view of the J2EE Perspective, expand Servers and double-click **WebSphereCommerceServer**. The WebSphereCommerceServer view displays.
- 3. In the WebSphereCommerceServer view, select the **Data sources** page.
- 4. On the Data sources page, expand Server Settings.
- 5. In the **JDBC provider list** table, select one of the following, depending on the database you are using as the WebSphere Commerce database.
 - DB2 DB2 JDBC Provider
 - Oracle Oracle JDBC Thin Driver
- 6. In the **Data source defined in the JDBC provider selected above** table, select one of the following, depending on the database you are using as the WebSphere Commerce database.
 - DB2 jdbc/WebSphere Commerce DB2 DataSource instance_name
 - Oracle jdbc/WebSphere Commerce Oracle DataSource instance_name

where *instance_name* is the name of the WebSphere Commerce Studio instance. The default instance name id Demo Dev.

Click Edit. The Modify Data Source wizard starts.

- 7. In the **Modify Data Source** window, ensure that fields **Database name**, **Default user ID** and **Default user password** are correct.
- 8. Click **Finish** to update the information and close the Modify Data Source wizard.
- 9. Oracle
 - a. In the Resource properties defined in the data source selected above table, select URL and click Edit. An Edit a resource property window opens.
 - b. In the **Edit a resource property** window, ensure that the field **Value** is correct. It should be of the form:

jdbc:oracle:thin:@host name:port number:SID

where *host_name* is the host name of your machine, port_number is the JDBC port and *SID* is the SID of your Oracle instance. For example, if robin is the host name of a machine, 1521 is the port number and orcl is the SID, then for the value field you would enter:

jdbc:oracle:thin:@robin:1521:orcl

c. Click OK.

10. Save the updates to the configuration by selecting File→Save WebSphereCommerceServer.

Note: Updating the WebSphere Commerce Payments server data source is not required.

Plug-in update

If you are using WebSphere Studio Application Developer version 5.1 or version 5.1.1 you must install the Configuration Manager and Ant plug-in.

- 1. Close WebSphere Studio Application Developer.
- 2. Download the Configuration Manager plug-in (config_manager_plugin.zip) and the Ant plug-in (ant_plugin.zip) zip file from the WebSphere Commerce fix pack Web site (http://www.ibm.com/support/docview.wss?uid=swg24006878) to a temporary directory.
- 3. Extract the contents of the config_manager_plugin.zip and ant_plugin.zip file into the *WSAD_installdir*\eclipse\plugins directory, replacing any existing files.
- 4. Navigate to the *WSAD_installdir*\eclipse\plugins\com.ibm.commerce.config.cmlauncher directory.
- 5. Open the following two files in a text editor:

```
cmlauncher.properties
cmlauncher locale.properties
```

Where *locale* is the locale you are using 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.

6. Look for the wc.path and ensure that it points to your WebSphere Commerce home directory.

Business Professional wc.path=WCStudio_installdir\\Commerce

Express wc.path=WCDE_installdir\\Commerce

For example, wc.path=C:\\WebSphere\CommerceDev55\\Commerce. **Note**: The two forward slashes are required.

Updating the Javadoc API documentation

- 1. Close WebSphere Studio Application Developer.
- 2. Download the javadoc.zip file from the WebSphere Commerce fix pack Web site (http://www.ibm.com/support/docview.wss?uid=swg24006878) to a temporary directory.
- 3. Extract the contents of the javadoc.zip file into the *WSAD_installdir*\eclipse\plugins\com.ibm.commerce.api.doc directory, replacing any existing files.

Chapter 3. Uninstalling the updates

Note: If you are uninstalling multiple fix packs, the uninstallation of the fix packs must occur in the reverse-order of their installation. For example, if the system has both fix packs 1 and 4 installed and you would like to revert the system to the pre-fix pack 1 level, then you must uninstall fix pack 4 first, then uninstall fix pack 1.

Removing the fix pack from WebSphere Commerce Studio

- 1. Navigate to the WSAD_installdir\Installer directory and double-click updateWizard.bat.
- 2. Select a language and then click OK.
- 3. Click **Next** to continue.
- 4. Click **Specify product information**. Under **Installation directory**, type the following



Click Next.

- 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 pack was successfully uninstalled. If you do not get this message the installer will indicate the log files to check.
- 9. If you do not have any previously created workspaces or have not applied the fix pack to any previously created workspaces the uninstall is complete; click **Finish**. If you have previously created workspaces then move on to the next section.

Removing the fix pack from your workspace

Click Next.

Repeat this section for each workspace the fix pack was applied to.

- 1. Navigate to the WSAD_installdir\Installer directory and double-click updateWizard.bat.
- 2. Select a language and then click OK.
- 3. Click Next to continue.
- Click Specify product information. Under Installation directory, type the following



- 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 pack was successfully uninstalled. If you do not get this message the installer will indicate the log files to check.
- 9. Click Finish.
- **10**. Navigate to *WSAD_installdir*\eclipse\features.
- 11. Delete the com.ibm.commerce.fp_5.5.0.4 directory.

Chapter 4. Migration steps

Migrating customized extension code after applying the fix pack

Due to the WebSphere Application Server platform differences between version 4.0x and version 5.0x, there are a few fix pack installation procedures that need to be adjusted. The total number of steps has increased slightly because of the level of complexity of the WebSphere Commerce application and the WebSphere Application Server deployment procedures. While many procedures are automated, required options are open so you can get a clean understanding of how the updates affect your system.

Starting from WebSphere Commerce version 5.5 when applying fix packs, we strongly recommend you that you first test your WebSphere Commerce application in the WebSphere Commerce Studio environment before deploying to the WebSphere Application Server environment, especially when you have made code extensions to the product. The following is a high level summary of the steps required to apply any fix pack.

Pre-install preparation

- 1. Download the required WebSphere Commerce fix pack and WebSphere Commerce Studio fix pack. It is important that the level of fixes are the same for both fix packs.
- 2. From your WebSphere Commerce Studio development environment, commit all of your code changes into your team code repository.
- 3. This step is optional but recommended. Back up the database and any WebSphere Commerce instance specific information and file assets in the WebSphere Application Server environment.

Installing the fix pack to WebSphere Commerce Studio development environment

- 1. Follow the WebSphere Commerce Studio fix pack install instructions to apply the fix pack to your WebSphere Commerce Studio development environment.
- 2. Compare the projects that you have made extensions with your team code repository and merge your changes back into the workspace.
- 3. Rebuild your application.
- 4. Test your application in the WebSphere test environment.

Deploying your WebSphere Commerce application components to WebSphere Application Server environment

- 1. Follow the WebSphere Commerce fix pack installation instructions to apply the fix pack to your WebSphere Commerce application running in the WebSphere Application Server environment.
- 2. Using the instructions in Chapter 9 of the *IBM WebSphere Commerce Programming Guide and Tutorials Version 5.5*, redeploy your customized WebSphere Commerce application modules to the WebSphere Application Server environment.

Chapter 5. Technotes

The following technote provides a link to all technotes related to WebSphere Commerce 5.5 and WebSphere Commerce — Express Developer. Technotes can be found by using the technote number to search the IBM Web site (www.ibm.com).

Table 1. IBM WebSphere Commerce Studio Fix Pack Technotes

Title	Number	Description
WebSphere Commerce 5.5.0.4 Master Technote	1167171	A single technote that contains links to all technotes related to WebSphere Commerce 5.5 and WebSphere Commerce — Express. Technotes addressed by this fix pack, and any new technotes, will be included in this Master Technote. http://www.ibm.com/support/docview.wss? uid=swg21167171

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