



**Installation Guide
for OS/400 and i5/OS**



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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 17.

Edition Notice

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

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

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

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Preface

About this book

This document describes the steps required to apply the IBM® WebSphere® Commerce 5.6.1.1 fix pack to version 5.6.1 of the following editions of WebSphere Commerce:

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

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

Update history

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

Edition	Date	Updates
Second edition	February 2007	• Remove support for z/OS® and S/390®.
First edition	October 30 2005	• Original publication of this document

Conventions used in this book


This book uses the following highlighting conventions:

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

 indicates information specific to WebSphere Commerce Business Edition

 indicates information specific to WebSphere Commerce Professional Edition.

 indicates information specific to WebSphere Commerce – Express Edition.

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

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:

WAS_installdir

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

▶ WAS 5.1

/QIBM/ProdData/WebAS51/Base

▶ WAS 6.0

/QIBM/ProdData/WebSphere/AppServer/V6/edition/

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

/QIBM/UserData/WebAS51/Base/WAS_instance_name

▶ WAS 6.0

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

WC_installdir

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

/QIBM/ProdData/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:

/QIBM/UserData/CommerceServer561

Instance_dir

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

WAS_userdir/installedApps/cell_name/WC_instance_name.ear

Pay_instance_dir

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

*WAS_userdir/installedApps/cell_name/
pay_instance_name_Commerce_Payments_App.ear*

Product editions

WebSphere Commerce editions supported by this fix pack

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

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

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

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

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

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

Prerequisites

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

Master Technote

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

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

WebSphere Application Server information

This fix pack introduces tolerance for WebSphere Application Server 6.0.

- If you are installing WebSphere Commerce and want to use WebSphere Application Server 6.0 as your application server, see the most recent *IBM WebSphere Commerce Installation Guide*.
- If you have created a WebSphere Commerce instance based on WebSphere Application Server 5.1.1.3 you can migrate that instance to WebSphere Application Server 6.0. For information on migrating WebSphere Application Server 5.1.1.3 to WebSphere Application Server 6.0, see the most recent *IBM WebSphere Commerce Migration Guide, Version 5.6.1 – Migrating WebSphere Application Server 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.

iSeries

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.

Installing the fix pack

Before applying the fix pack

Important:

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

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

Multinode environments

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

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

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

Installing the WebSphere Commerce fix pack on a vertical cluster

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

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

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

4. "Post installation steps" on page 9.
5. On the *reference node* you must collapse the WebSphere Commerce instance directory into a single EAR file. Use this EAR file to update the WebSphere Commerce application that resides on the WebSphere Application Server Network Deployment. For more information on updating the EAR file, refer to the WebSphere Application Server Network Deployment information center:

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

Complete the following steps on the other WebSphere Commerce nodes:

- For a silent install, complete the following sections:
 1. "Updating WebSphere Commerce" on page 7.
 2. 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. 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

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 5.6.1.1 level. For example, if the Configuration Manager client is loaded on a node using the base CDs the fix pack must be reapplied to the Configuration Manager client node.

Preparing your system to run the fix pack installer

Important:

Refer to Appendix B, "New and changed," on page 15 for information on the APARs that are included in this fix pack. If you have installed APARs that are not included in this fix pack you must reinstall them after the fix pack is installed.

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

<http://www.ibm.com/support/docview.wss?uid=swg24010791>

3. Save the fix pack to the *fp_installdir* directory. The file you download is denoted by *WC_5611_file_name* in the remaining sections of this guide.
4. 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_5611_file_name* archive by running the following command:

```
jar -xvf WC_5611_file_name
```
6. Ensure that you are logged in as a user that has QSECOFR authority.
7. Stop the following applications:

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

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

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

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

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

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

Next step

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. 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 install WC_installdir fixpackID fp_installdir
```

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

- *WC_installdir*: The installation path for WebSphere Commerce. The default installation directory is defined in the Preface under the section Path variables on page vi.
- *fixpackID*: The name of the fix pack to be installed. For example, *wc561BE_fp1_platform*.
- *fp_installdir*: The temporary directory where the fix pack was downloaded into.

For example,

```
./updateSilent.sh fixpack install /QIBM/ProdData/CommerceServer561
wc561BE_fp1_os400 /QIBM/5611
```

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

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 9 and complete any applicable steps. If you have existing WebSphere Commerce instances or Payments instances, refer to “Applying the fix pack to existing WebSphere Commerce and WebSphere Payments instances.”

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

Running the config_ant script

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

1. Navigate to the *WC_installdir/bin* directory.
2. Run the following command:

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

Note: The `[-DinstName=instanceName]` parameter is optional. The parameter can be used to specify a single instance in the case that multiple instances are configured and you do not want all instances updated. If the parameter is not specified, all configured WebSphere Commerce version 5.6.1 instances will be updated.

Review the *WC_userdir/logs/updateInstance.log* file.

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. Enter the QShell by typing QSH at the OS/400 or i5/OS and command prompt. Navigate to the *fp_installdir* directory.
2. Run the following command, replacing where appropriate, options specific to your WebSphere Commerce installation.

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

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

- *Instance_dir*: The path for your WebSphere Commerce instance. The default directory is defined in the Preface under the section Path variables on page vi.
- *Pay_instance_dir*: The path for your WebSphere Commerce Payments instance. The default directory is defined in the Preface under the section Path variables on page vi.
- *fixpackID*: The name of the fix pack to be installed. For example, wc561BE_fp1_os400.
- *fp_installdir*: The temporary directory where the fix pack was downloaded into.

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

```
./updateSilent.sh fixpack install /QIBM/UserData/WebAS5/Base/default/  
installedApps/myCellName/WC_demo.ear wc561EXPRESS_fp1_os400 /QIBM/5611
```

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

```
./updateSilent.sh fixpack install /QIBM/UserData/WebAS5/Base/default/  
installedApps/myCellName/  
wpm_Commerce_Payments_App.ear wc561BE_fp1_os400 /QIBM/5611
```

3. 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.
4. The fix pack installation is complete; move on 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*.
2. Open a command prompt window
3. Switch to the *WC_installdir/bin* directory
4. Run the following command:
 - `./fixDeploy temp_dir fullpathToEar WC_instance_name WAS_userdir`

For example,

```
./fixDeploy /QIBM/tmp/workspace /QIBM/UserData/WebAS51/Base/default/  
installedApps/myCellName WC_demo /QIBM/UserData/WebAS5/Base/default
```

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

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

Updating file permissions

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
```

Updating the WebSphere Commerce information center

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

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

Uninstalling the fix pack

Before removing the fix pack

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

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

Before you uninstall

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

Next step

Uninstall the fix pack by completing the following section:

- “Silent uninstall.”

Silent uninstall

Removing the fix pack from WebSphere Commerce

1. Enter the QShell by typing QSH at the OS/400 or i5/OS command prompt. Navigate to the *fp_installdir* directory.
2. Run the following command, replacing where appropriate, options specific to your WebSphere Commerce installation.

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

3. Ensure that the installer displays the following message:
*Fix pack uninstallation completed, please check /WC_installdir/logs/update/
timestamp_wc561edition_fp1_operating_system_uninstall.log*

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

4. If you do not have existing WebSphere Commerce instances or Payments instances, the fix pack uninstallation is complete. If you have existing WebSphere Commerce instances or Payments instances on which the fix pack has been applied, refer to “Removing the fix pack from existing WebSphere Commerce and Payments instances” on page 12.

Removing the fix pack from existing WebSphere Commerce and Payments instances

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

1. Enter the QShell by typing QSH at the OS/400 or i5/OS command prompt. Navigate to the *fp_installdir* directory.
2. Run the following command, replacing where appropriate, options specific to your WebSphere Commerce installation.

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

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

Instance_dir

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

Pay_instance_dir

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

fixpackID

The name of fix pack to be uninstalled. For example, wc561BE_fp1_aix.

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

```
./updateSilent.sh fixpack uninstall /QIBM/UserData/WebAS51/Base/WAS_myserver/  
installedApps/cell_name/ WC_demo.ear wc561BE_fp1_os400
```

3. Ensure that the installer displays the following message:

```
Fix pack uninstillation 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.

Appendix A. Troubleshooting

Error updating EJB isolation levels

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

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

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

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

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

Error/Exception	Solution
<ul style="list-style-type: none">Illegal target of jump or branchjavax.servlet.ServletException	<p>Workaround</p> <ol style="list-style-type: none">Clear the cached/compiled JSP file classes out of /opt/WebSphere/AppServer/temp/ %node%/instance_name/instance_name/ Stores.warNavigate to WAS_installdir/binPrecompile the JSP pages. ./JspBatchCompiler.sh -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:
 - 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:

```
CHGSBSD QBATCH
```

This command allows you to alter the MAXJOBS parameter.

```
CHGJOBQE QBATCH
```

This command allows you to alter the MAXACT parameter.

Note: Increasing one or both of these entries should release the job that creates the entry in the Digital Certificate Manager.

- 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:

```
CHGJOBBD <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 *N0.
 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.

Precompiling JSP files on OS/400 or i5/OS

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 additional new interim fixes (APARs) below:

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

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

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