



Installation Guide

Note:

Before using this information and the product it supports, be sure to read the general information under “Notices” on page 45.

First Edition (September 2005)

This edition of this book applies to version 5.6 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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<http://www.ibm.com/software/webservers/commerce/rcf.html>

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Preface

About this book

This document describes the steps required to apply the IBM® WebSphere® Commerce 5.6.0.5 fix pack to version 5.6 of the following editions of WebSphere Commerce:

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

The WebSphere Commerce 5.6.0.5 fix pack can be applied to the base level (5.6.0.0) and existing fix pack levels (5.6.0.1, 5.6.0.2, 5.6.0.3, and 5.6.0.4).

Update History

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


Edition	Date	Updates
First edition	September 19 2005	• Original publication of this document

Conventions used in this book

This book uses the following highlighting conventions:


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


 **Business** indicates information specific to WebSphere Commerce Business Edition

 **Professional** indicates information specific to WebSphere Commerce Professional Edition.

 **Express** indicates information specific to WebSphere Commerce – Express Edition.

 **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®.

 **iSeries** 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 5 or version 5.1. The default installation directory is:

▶ **AIX** /usr/WebSphere/AppServer

▶ **iSeries** /QIBM/ProdData/WebAS5/Base

▶ **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:

 /QIBM/UserData/WebAS5/Base/WAS_instance_name

WC_installdir

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

 /usr/WebSphere/CommerceServer56

 /QIBM/ProdData/CommerceServer56

  /opt/WebSphere/CommerceServer56

 c:\Program Files\WebSphere\CommerceServer56




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/CommerceServer56

Instance_dir

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




   WAS_installdir/installedApps/cell_name/
WC_instance_name.ear

 WAS_userdir/installedApps/cell_name/WC_instance_name.ear

 WAS_installdir\installedApps\cell_name\WC_instance_name.ear

Pay_instance_dir

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

   WAS_installdir/installedApps/cell_name/
pay_instance_name_Commerce_Payments_App.ear

 WAS_userdir/installedApps/cell_name/
pay_instance_name_Commerce_Payments_App.ear

 WAS_installdir\installedApps\cell_name\
pay_instance_name_Commerce_Payments_App.ear

Chapter 1. Product editions

WebSphere Commerce editions supported by this fix pack

This fix pack supports WebSphere Commerce Version 5.6 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 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 "Prerequisite software" in the *IBM WebSphere Commerce Version 5.6 Installation Guide* or *IBM WebSphere Commerce — Express Version 5.6 Installation Guide*.

Chapter 2. 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) listed below:

Interim fix #	Description
IC46875	Correct synchronization problem in JointRelationshipInfo.initialize()
IY55990	Corrected issue with PriceRefreshFlag 2.
IY57381	Corrected email body lost issue.
IY59639	Corrected null pointer exception when PMI turn on.
IY60615	Corrected issue where broadcast job causing deadlocks running with clones.
IY63462	Taxware integration updates.
IY63839	Corrected improper evaluation of multiple free gift adjustment.
IY63842	Corrected averaging in PMI.
IY63843	Addressed accounts load time in Accelerator.
IY63844	DBClean improvements.
IY63846	Corrected issue with the 'Display Category' function for the Accelerator.
IY63922	Corrected SAXParse exception when running Migratedb script.
IY64362	Corrected Javascript error in the PMT.
IY64844	Corrected webservice issue on Solaris.
IY64965	Corrected pagination issue when controller command returns an exception.
IY65363	Corrected price display issue Advanced B2B Store order flow.
IY65441	Corrected master price list issue.
IY65640	Corrected error for discounts greater than 999.99.
IY65828	Corrected JavaScript truncation error creating promotions with very large user ID numbers.
IY65983	Corrected null pointer exception on update order quantity.
IY66071	Corrected Javascript error in the Design Sales Catalog tool with Windows XP SP2.
IY66125	Corrected campaign migration script fails when campaign rule xml corrupt issue.
IY66151	Increased use of StoreRegistry to address performance.
IY66268	Corrected ReferralDataBean.populate null pointer exception.
IY66296	Correct issue if hidden products not appearing in contract catalog tree.
IY66301	Update ContractTCDeployCmdImpl.doUobUpdateFailed() for better error handling.
IY66516	Corrected promotion list null pointer exception.
IY66647	Corrected issue with creating a payment instance in federated environment.
IY66710	Allow special characters during customer segment creation.

IY66896	Corrected interface issue when discount value is greater than order item amount.
IY66897	Corrected products screen interface for improperly formatted numbers.
IY66983	Corrected issue with displaying Japanese characters.
IY66986	Corrected issue with cookie acceptance = on, bookmarked pages can't be accessed.
IY67111	Corrected multiple join keys issue.
IY67322	Corrected issue where campaign creation unpublished categories do not show.
IY67897	Removed check of the Buyable flag from the Catalog Filter.
IY68599	Corrected OrderItemDataBean issue.
IY68897	Corrected issue where code does not refer to Cached Registry to process PriceTCs.
IY68952	Corrected order process approvals issue in Organizational Admin Console.
IY70195	Corrected new contract version redeploy fails issue.
IY71174	Optimization of MemberGroup SQLs
IY71174	Corrected MemberGroupsCacheCmdImpl does not work if Cache is disabled issue.
IY71174	Optimization of check users mbrgrp commands.
IY71459	Corrected issue where '&' in logonIds causes promotions exceptions.
IY71854	Set CardVerifyCode to null after the order is approved
IY71854	Corrected synchronous AutoApprove does not work with 'CVV remove APAR' issue.
IY72227	Corrected issue where turning on WC_MESSAGING caused exception while sending xml message.
IY72248	Corrected CCInfoEncoderDecoder class is truncating the plain-text data issue.
IY72390	Updated Payment CAL file ibmjsse.jar.
IY72791	Corrected issue where refreshing the fulfillment registry doesn't work in cloned environment.
IY73243	Corrected base delegation grid issue.
IY73313	Corrected infinite recursion if including self reference to segment issue.
IY73314	Addressed performance problem with campaign initiative cache.
IY73830	Corrected pagination not working on Category List page for promotions issue.
IY73888	Corrected dynamic kit under product behavior.
IY73928	Correct payment amount greater than order amount issue.
IY73936	Updated Payment Manager user password expiration.
IY74022	Corrected CalculationCodeListDataBean to work in hosted environment.
IY74025	Corrected targeting profile not evaluated correctly for promotions issue.
IY74382	Corrected setMessage(byte newMessage[]) catches java.lang exception.
IY74837	Correct ContractImportApprovedVersion fails with ampersand '&' symbol issue.
IY75363	Corrected shopping carts do not merge after creating 2nd FFM center issue.

IY76014	Corrected issue where payments didn't check CVV=000.
JR20010	Corrected CurrencyFormatGenerator JavaScript errors.
JR20153	Corrected OrderCreateXML.jsp to handle guest orders.
JR20189	Corrected metadata directory issue when checking out the workspace checkout from CVS.
JR20260	Corrected issue where EMLUSRRECV.RECEIVEEML is not updated with the correct store ID.
JR20298	Corrected supplier hub CatalogSearchResultDisplay.jsp forward problem.
JR20307	Corrected default billing address issue during checkout in ConsumerDirect sample store.
JR20320	Corrected assign shipping codes reverts to all products issue.
JR20338	Updated Jurisdictions.jsp to use the FFMC selected during Accelerator logon.
JR20433	Corrected issue removing Announcement/Withdrawal Date for a product.
JR20450	Corrected issue with Taxware external audit.
JR20464	SQL update to improve performance.
JR20469	Massloader update to correct SAXParser exception on Oracle versions above version 9.2.0.1.
JR20489	Corrected issue where could not identify which product/item the user has selected.
JR20495	Corrected issue when legacy messages processed through parallel listener.
JR20543	Added support for null value parameters with URL mapper.
JR20544	Update to support Turkish locale with Cloudscape™.
JR20565	Corrected error in payInfo.setApprovedDate(payment.getApproveTime()).
JR20572	Updates to support WAS 5.1.1.
JR20585	Corrected migration issue when DN values contain apostrophes.
JR20595	Corrected OrderItemUpdate to retrieve price for multiple catentry with the same parent catentry_id.
JR20634	Corrected campaign migration error.
JR20659	Correct issue where file adapter does not release first file handle.
JR20698	Provide setter and getter methods for SendXMLOrderCmdImpl.
JR20701	Corrected exception when inserting NULL into BLOB through ETillArchive.
JR20706	Corrected issue with DBClean querying LASTSESSION, but not PRELASTSESSION.
JR20733	Corrected issue of being unable to assign shipping code to catalog categories.
JR20769	Correct cassette load error with Turkish locale.
JR20794	Improved performance when user has many roles.
JR20797	Corrected issue with updating fields in a package.
JR20809	Support member profile validation when displaying any promotion on store front page.
JR20819	Corrected Inventory not updated with ScheduleOrderCmd issue.

JR20823	Corrected x UserBeanBase can return incorrect cached results issue.
JR20826	Reduced calls to UserBean.getRolesForOrgEntityAndAncestors().
JR20834	Corrected issues placing order from Accelerator.
JR20842	Corrected contract migration error.
JR20845	Addressed performance issue in campaign catalog tree.
JR20855	Addressed performance in findSkuByAttributes.
JR20868	Corrected sales catalog creation through 'Add Product' to create item-category association.
JR20872	Corrected problem applying taxes on tax.
JR20874	Corrected error when deleting bundle or kit.
JR20874	Corrected issue with reseller ability to assign merchandising association to a manufacture owned catentry.
JR20882	Allow mapping of one promotion code to multiple promotions.
JR20944	Corrected issue with RFQBuyersForOrg.
JR20958	Corrected policy load issue in WC demo package.
JR20980	Corrected CalculationRuleCalculateCmdImpl does not implement the reset method issue.
JR20977	Performance improvements for large numbers of Calculation Rules.
JR20996	Corrected free gift deletion from shopping cart issue.
JR21004	Correct error with same item under different price break in one cart.
JR21051	Corrected issue with default contract prices being displayed when they should not.
JR21071	Corrected ClassCastException thrown in OrderAuthorizedNotify.jsp
JR21080	Corrected Accelerator updating ATTRVALUE.FIELD1 issue.
JR21093	Enablement to set MQ header fields.
JR21108	Corrected exception when uncheck "password required for startup" in config.
JR21161	Added finder method to CatalogEntry EJB.
JR21167	Corrected generic error after deleting the Ship To address.
JR21181	Corrected creation of search categories fails if product attribute contains apostrophe issue.
JR21208	Corrected PromotionEngineOrderCalculateCmdImpl issue.
JR21209	Corrected issue with EproUtil.getStoreId using a StoreEntityAccessBean instead of getting the StoreCopy object from the StoreRegistry.
JR21231	Corrected issue where STOREITEM.MINQTYFORSPLIT being set to non-zero value causes error.
JR21226	Added the IN predicate support for Product Advisor.
JR21247	Corrected unpublished data still shows in B2BDirect Store with dead links issue.
JR21361	Corrected error when linking 2 guided-sell metaphors in Product Advisor.
JR21374	Removed check within SegmentCache to limit CONDITION field size.
JR21406	Corrected issues with CategoryDataBean.
JR21430	Corrected issue where JS ExitValidate.js was referenced in various JSPs.
JR21430	Corrected issue where JS ExitValidate.js was referenced in various JSPs.

JR21438	Corrected issue where pressing Enter on Account Find dialog results in a blank page.
JR21493	Persistent session.
JR21531	Order improvement to support shipping promotions on various conditions.
JR21535	Corrected error ordering >11 items with InventoryAllocationCheck command.
JR21537	Allow DBClean to support "set current query optimization 1".
JR21554	Corrected logon payments after change the port 443 to other port issue.
JR21594	Corrected products and items found in search after deleted in Accelerator issue.
JR21606	Corrected Turkish characters return incorrect results search issue.
JR21626	Corrected CATGRPTPC update during store publish issue.
JR21627	Corrected BalancePayment improper update of TRDDEPAMT issue.
JR21647	Allow access to channel identifier in DeploymentHostingContract.
JR21647	Allow creation of e-site during SAR publish.
JR21662	Corrected exploration metaphor search shows unpublished products issue.
JR21706	WAS HttpSession allowed to be serializable.
JR21756	Corrected Scheduled Order fails with Closed contract issue.
JR21818	Corrected alert redirects to "tools/common/ReLogonFormView on timeout issue.
JR21851	Addressed security policy-mgr performance issue.
JR21903	Corrected InstanceXMLFileAccess DB problems using Oracle.
JR21913	Corrected issue with store ID being appended to active org id in Accelerator.
JR21914	Corrected changed fixed price deletes existing orderitem issue.
JR21934	Corrected excessive looping setting up StorePath.
JR21949	Correct issue where Html entities cause problem in PE page.
JR21949	Correct issue where search space creation fails for duplicate attributes.
JR21949	Corrected Product Explorer Fails when Attributes contain html entities issue.
JR21949	Corrected search space creation fails for same attribute names issue.
JR21951	Corrected issue where catalog search is not locale sensitive.
JR21982	Added extra tracing for StorePublishConfig.
JR22004	Corrected availability constraint not working in Guided sell page.
JR22004	Corrected catalog tree is not displayed correctly in Guided sell page issue.
JR22058	Corrected contract excluded category appearing on external pages issue.
JR22068	Corrected access promotion in Accelerator if SKU is deleted issue.
JR22068	Corrected shopping cart miscalculate if promotions returns catentryId=null issue.
JR22078	Correct issue where after a hang, jobs still in 'R' state in schactive table.
JR22079	Provide DB2 Uncommitted-Read Search to Reduce Lock Contention.
JR22093	Don't republish synced product sets.

JR22113	Corrected order promotion/free gift/SKU deletion issue.
JR22125	Stagingcheck command update.
JR22133	Correct inventory exceptions under stress issue.
JR22210	Toolkit: Correct failed to release to fulfillment issue.
JR22210	Toolkit: Correct failed to Decrease inventory issue.
JR22210	Toolkit: Correct ProcessBackorder command abort issue.
JR22210	Toolkit: Correct failed to partially order issue.
JR22223	Correct issue when CATENTDESC.NAME for an item is empty, the method getSKUNam in EProUtil returns null.
LI70459	Corrected issue where catalog appears twice when browsing for product in ad-copy add.
LI70477	Correct Product Attribute issue in Accelerator.
LI70488	Updated SQL files for UNIX machines.
LI70496	Corrected SQL exception.
LI70503	Parameterization of SQL to improve performance.
LI70538	Addressed performance issue with espot & userreg SQL.
LI70544	Remote 64-bit database support on Power5.
LI70545	Remote 64-bit database support on zLinux.
LI70583	Addressed schedule e-spot performance issue.
LI70594	Corrected x Address type being reset to 'R' from accelerator issue.
LI70595	Corrected error when requesting password reset after too many attempts.
LI70596	Corrected Catalog Import Upload Images rename/delete fails in Linux issue.
LI70598	Corrected Promotion does not work for Guest Shopper group issue.
LI70607	Corrected ignore empty spaces after promotion name issue.
LI70617	Corrected vector issue when migrating product ski.
LI70691	Corrected problem canceling the scheduled order in ToolTech.
LI70695	Corrected paxmlexportbatchcmd script xml file does not contain metaphor.
LI70699	Corrected shipment notification e-mail is not sent to guest shoppers issue.
LI70711	Corrected orderProcess changes timeplaced field in Orders table issue.
LI70715	Corrected ParentOrg not updated after logon via SSO issue.
LI70716	Corrected empty pick ticket printout issue.
LI70731	Corrected organizations don't switch when switching organizations issue.
LI70742	Addressed performance through store registry.
LI70812	Corrected promotion with two rewards does not give a correct result issue.
LI70827	Corrected change payment DB user password via config manager issue.
SE16884	Updated use of Sales Catalog in Contract XML.
SE17660	Corrected issue with items not being retained in shopping cart when URL Rewriting & Dynamic Caching enabled.

SE17890	Support for special characters in Promotions.
SE18574	Improve Configuration Manager performance when changing parameters on OS/400.
SE18818	Corrected null pointer exception in PromotionCodeDataBean.
SE18893	Use BaseJDBCHelper.useDB2_400(), to determine OS/400 database.
SE19213	Corrected error that occurred when vNumber included space.
SE19383	Corrected missing data in WCA reports issue.
SE19581	Corrected WCA reports.
SE19581	Corrected WCA Storefront Activity reports cannot be displayed issue.
SE19644	Corrected MigrateEncryptedInfo Cursor state error.
SE20017	Corrected issue editing existing VisaNet account.
SE20098	Addressed performance concern with numericInfo array data size being too large.
SI17795	Corrected cannot logon payments after change the port that connect to Commerce issue.
SI17981	Addressed Add to Shopping Cart performance issues.
SI18855	Corrected issue with order calc not as expected using custom promotion.
SI16235	Corrected issue where cannot view category list if category does not have parent.

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

In addition, the following is a list of updates or improvements:

- Update to Channel Manager access control ³
- Improvements to Migration^{1,2,5}
- Correction of Staging Server defects ^{1,2}
- Enhanced B2C store models ease of use ¹
- Java™ doc updates ^{1,2,4,5}
- Support for 64 bit DB2® Database on AIX and Solaris ¹
- Performance enhancements ^{1,2}
- Improvements to Staging Server ^{2,5}
- Improvements to security ^{2,4,5}
- Improvements to DBClean ⁴
- Approvals
 - Corrected issue where ActiveOrganization in command context was not updated upon registration ²
 - Removed unnecessary approval JSP files on Stores.war\tools\approvals directory ²
- Improved Analytics Reports ⁵
- Improvements to Orders Support for WebSphere Application Server with an iSeries remote database ⁵
- Performance enhancements Improvements to security ⁵
- B2B Models
 - Resolved issue where migrated B2B users were not able to signon to ToolTech store ¹

- Resolved issue where "Order Status" button gives blank page ²
- Corrected display of text ad copy ²
- Resolved issue where subcategory images were hard coded in JSP ²
- Corrected errors with MultipleShipping[Address/Method] view ²
- Corrected Euro currency symbol display on order status page ²
- Corrected issue where HTML tags showed on Select Shipping Method page ²
- Added back mechanism from item info page to order summary ²
- Order Summary page fails to display some currency symbols ²
- Resolved issue where OrderDetail is empty ²
- Resolved issue where shopping cart tried to modify completed order, not new order ²
- Updated ConsumerDirect to work with the preview tooling ²
- Corrected store JSPs to respect HTML tags on accelerator description ⁵
- Corrected can not add a big requisition list to shopping cart issue ⁵
- B2C Models
 - Resolved issue where quick checkout fails in ConsumerDirect store ¹
 - Corrected JSP pages for preview tools ¹
 - Corrected issue when publishing SAR 2nd time with the same catalog ⁴
 - Corrected HTML tags being displayed in MultipleShippingAddressView issue ⁵
 - Corrected issue loading catalog pages in ConsumerDirect store ⁵
 - Corrected CachedSidebarDisplay.jsp (style1 and 2)-resultType issue ⁵
 - Corrected index.jsp cannot be launched by "Run on Server" option in WebSphere Application Server issue ⁵
 - Corrected complete an order on Host Store issue ⁵
- Campaigns
 - Corrected display issue with category list ¹
 - Resolved issue where campaign runtime command may return results from other stores ¹
 - Corrected issue where catalog tree in campaign may return duplicate entries ²
 - Corrected promotion content filtering issue for Category promotion ²
 - Corrected issue in showing cross-sell product based on shopcart's contents. ⁴
 - Corrected EMarketingSpot.getCatalogIds returns too many catalogs issue ⁵
 - Corrected purchase history condition in web activity does not work in esites issue ⁵
 - Corrected campaign pages failed to load if a URL contains '%' issue ⁵
 - Corrected API compatibility issues between WebSphere Commerce 5.5 and WebSphere Commerce 5.6 ⁵
- Catalog
 - Corrected problem where product long description cannot exceed 4k on an Oracle database ¹
 - Allow product weight to be set to non-integer value ¹
 - Resolved issue where catalog filter could not update a product if there are missing columns ²
 - Corrected issue where sales catalog browsing fails if catalog filter inclusion used ²
- Configuration Manager

- Resolved issue where instance creation fails in oracle/2 node/remote web server configuration ¹
- Resolved SUN/Oracle/2Node/Remote web server instance start error ¹
- Added "successful" message at the end of WCIM running ¹
- Corrected issue where redundant datasource was created when changing usr/pwd in Configuration Manager ²
- Corrected error when clicking WebSphere Commerce Analyzer in Configuration Manager ²
- Removed hard coding of WebSphere Application Server install paths on iSeries ²
- Corrected java.lang.NoClassDefFoundError when clicking security tab in Configuration Manager ²
- Contracts
 - Resolved CommandContext - allowed setting non entitled contracts ²
 - Resolved StoreCreationWizard failure with Sales Catalog in CPS Store ²
 - Resolved issue where unsynchronized inclusion/exclusion caused blank catalog displayed in hosted B2B store ²
 - Corrected missing Organization element in exported file for hosted store issue ⁵
 - Corrected unable to update catalog filter for suspended contract issue ⁵
 - Corrected catalog filter should order catalog objects "by sequence" issue ⁵
 - Corrected blank page on cancel submitted for approval contract issue ⁵
 - Corrected issue creating Hosted store in SupplyChain ⁵
- Database
 - Oracle version of ExpectedInv modified to correctly handle date string ⁵
- Developer
 - Added 'FOR FETCH ONLY' support for Cloudscape ¹
 - Corrected CSA reports to work on Cloudscape ¹
 - Corrected issue where idresgen and massload don't handle spaces in directory names ¹
 - Resolved issue where JSPInvokerConnection.java throws errors when compiled in JDK 1.4 ¹
 - Corrected java.sql.DataTruncation when sending email ²
 - Added new version of WCA reports for lite environment ²
 - Revised JSP Preview Tool setup documentation ⁴
 - Corrected path for toolsgeneralconfig datasource.properties ⁴
 - Corrected setdbtype.bat correctly setting the ServerName issue ⁵
 - Corrected access control load script for iSeries ⁵
 - Corrected acpextract script on Toolkit gives end of file error ⁵
- E-mail Activity
 - Corrected issue where marketing manager had no authority for command ¹
 - "CheckForBouncedEmail" ¹
 - Made the campaignId parameter optional ²
- Hosting Model
 - Added dependency IDs for DC_contract (storePath) ²
 - Removed redundant cacheable commands cache entry specification ²

- Corrected OrgAdminConsole:Roles not showing for Asset Store Organization issue⁵
- Marketing
 - Corrected issue creating segment in Accelerator, if the last check box of a constrain is selected, all are⁵
- Messaging
 - Corrected error with sample OrderStatus.wsdl¹
 - Resolved issue where order status updated even though expired SupplierCookie used¹
 - Corrected issue where NPE appeared between server restarts if ME commands are used¹
 - Corrected Portal Alert messaging missing JSP file¹
 - Corrected NullPointerException when MSGTYPES.DESCRPTION column is null⁵
- Massload
 - Corrected issue where updatedb.sh fails on subsequent executions⁴
 - Corrected Massload issue loading xml needed for contracts⁵
 - Corrected optimizer statistics regeneration issue⁵
 - Corrected idresolver doesn't properly detect an AS/400 connection issue⁵
 - Corrected SQL type and open cursor issues with Oracle 9.2.0.4⁵
- Orders
 - Corrected issue where PreProcessOrderCmdImpl does not update promised availability times¹
 - Corrected issue where OrderItemMove does not move coupon attachments and attributes¹
 - Resolved ExtendOrderItemProcessCmdImpl API compatibility issue²
 - Corrected number format exception²
 - Resolved issue where OrderListDB. setFetchCurrentPendingOrder(boolean) was not working²
 - Resolved OrderNotifyCmdImpl exception if langid was null²
 - Corrected OutOfStockOrderItems null pointer exception²
 - Corrected issue where no eligible trading agreements can be found for user⁴
 - Corrected error when invoking OrderPrepare command⁴
 - Updated OrderProcess command to change backorder status from "B" to "M"⁴
 - Corrected OrderProcessCmdImpl.ReverseUpdateInventory does extra query issue.
 - Corrected free gift promotion is not applied in shopcart issue⁵
 - Corrected order command for shipping promotion issue⁵
 - Corrected deleting an orderitem already having been deleted issue⁵
 - Corrected order the created static kits with quantity issue⁵
 - Corrected ShopCart 'GenericErr' if administrator with existing order issue⁵
 - Corrected exception generating message in SystemOut.log when order not found⁵
 - Corrected static kit purchase issue⁵
 - Corrected Search Order by userid performs LIKE comparison for Exact Match issue⁵

- Corrected shoppingcart miscalculate if promotions returns catentryId=null issue⁵
- Updated OrderSearchBean.java⁵
- Corrected OrderAdjustmentDescriptionBeanBase ejbCreate initialization incorrect issue⁵
- Corrected JavaScript error on Shipping->Define Charge Details page⁵
- Corrected issue placing guest order in Accelerator for multiple organizations⁵
- Provided additional info on the pop-up error message CMN3101E
- Payments
 - Resolved issue where a payments instance could not be created through configuration manager¹
 - Corrected issue where wrong WebSphere node parameter creates difficult-to-trace exception¹
 - Corrected issue when creating Payments DB without "encoding Unicode"¹
 - Corrected issue of Payments instance creation reported successful if wrong Oracle DB name specified²
 - Corrected Create Payments with Toolbox failure for remote iSeries DB with IASP²
 - Corrected createPaymentsVirtualHost script on iSeries²
 - Resolved issue where iSeries Express configuration manager fails on remote Payments²
 - Added pop-up error for wrong site administrator ID in WPM instance²
 - Corrected issue where wrong WebSphere node parameter creates difficult to trace exception²
 - Corrected misleading message when starting Payment instance⁵
 - Corrected issue when starting Payments on iSeries with IBMPayServer command⁵
 - Corrected issue removing 3rd party cassettes⁵
 - Corrected no debug trace output for updateAdminUser method issue⁵
- Portal
 - Corrected registering a new user on portal change the portal admin userID issue⁵
- Pricing
 - Check in item/product offer correction¹
- Promotions
 - Corrected description in free gift promotion¹
 - Resolved failure to create a promotion in Original Store targeting to the Customer Segment created in the Asset Store²
 - Removed unnecessary messages in SystemOut created when listing Promotions in Accelerator⁴
 - Corrected promoted item doesn't belong to current store issue⁵
 - Corrected currency conversion is wrong for product percent off promotion issue⁵
 - PurchaseCondition Pattern updated to allow for better customization⁵
 - Corrected SchedCouponCmd to use StoreRegistry to get StoreAccessBean⁵
- Returns
 - Resolved issue where a user had no authority to display return records¹

- Corrected issue where receiver see "%= comm.endDlistTable() %>" on return page¹
- Corrected issue where the user had no authority to display return records¹
- Resolved issue where returns could not be created in B2B hosted stores¹
- Runtime
 - ECTrace performance improvements¹
 - Resolved issue where Logon command did not respect PasswordInvalidation flag¹
 - Corrected problems redirecting from Commerce to external system²
 - Resolved issue where ProductINfo gets version from wrong location²
 - Corrected servlet initialization failed exception in SystemOut.log²
 - Resolved issue where SSLAcceleratorOption and tools did not work²
 - Resolved issue where loop in error notification if msgtype not properly assigned²
 - Filtered out the explicitly excluded member groups from calls to the MemberGroupMemberAccessBean²
 - Corrected null pointer exceptions in ConverterKey²
 - Resolved issue where add new address form didn't verify user input properly²
 - Corrected confused Roles button in Users List Panel in OAC²
 - Resolved issue where OrgEntityDataBean did not sync org with LDAP on refresh²
 - Update to cookie handling with dynamic caching⁴
 - Resolved issuing a close on a null connection object⁴
 - Improve the logic for caching store object⁵
 - Corrected issue with simultaneous requests causing I/O exception and transaction rollback⁵
 - Corrected OrgEntityDataBean doesn't sync org with LDAP on refresh issue⁵
 - Corrected issue when viewing Users page in orgadminconsole⁵
 - Corrected org selection in User creation panel can't accept '\'⁵
 - Corrected find customer does not work if not using wcsadmin issue⁵
- Shipping
 - Corrected JSP compile error^{1\}
 - Corrected equals comparison in CalcCodeSaveControllerCmdImpl.validateParameters⁵
- Store Creation
 - Corrected store creation problems in hosting eSites¹
 - Corrected can not remove the published status jobs issue⁵
 - Corrected help file linked broken when publish fails issue⁵
 - Corrected command line publish of ConsumerDirect fails issue⁵
 - Corrected category and product number is zero in StoreFrontUsage report issue⁵
- Taxation
 - Made user interface more consistent²
 - Corrected issue where returning an item from the catalog did not work with Taxware²
 - Corrected issue where taxes do not display as part of the product price⁵

- Corrected removing a category and then recreating it resulting in a Generic Error issue⁵
- Tools
 - Resolved issue not creating products in Hosting Catalog Asset Store ¹
 - Corrected Guided Sell sorting issue ⁴
 - Corrected gotoAndHighlightNode goes to infinite loop when childrenUrlParam is not null issue⁵
 - Corrected length of name for duplicate promotion issue⁵
 - Allow user to click any where in the column header to sort ⁵
 - Corrected can not decheck header check box properly in the framework issue⁵
- Utilities
 - Corrected no user/passwrd in dbclean command throwing exception issue ⁵
 - Corrected performance monitor unable to register due to duplicate name issue⁵

¹ Indicates updates or improvements introduced in fix pack 5.6.0.1.

² Indicates updates or improvements introduced in fix pack 5.6.0.2.

³ Indicates updates or improvements introduced in fix pack 5.6.0.3.

⁴ Indicates updates or improvements introduced in fix pack 5.6.0.4.

⁵ Indicates updates or improvements introduced in fix pack 5.6.0.5.

Chapter 3. Prerequisites

Complete any of the sections in this chapter that apply to your WebSphere Commerce installation.

Master Technote





IBM WebSphere Commerce Support maintains a web page that links to several fix pack related documents. This page, known as the 'WebSphere Commerce 5.6 fix pack master technote' is a central resource for information related to WebSphere Commerce Version 5.6 fix packs. The master technote summarizes the known fix pack issues, and the version of the fix packs they apply to. It also 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). To view the WebSphere Commerce Version 5.6 fix pack master technote, click the following link:

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


WebSphere Application Server prerequisites

Compiler synchronization needed when using largebranch

Note: If you are installing from existing fix pack level (5.6.0.3 or lower), then this interim fix is not required. Continue next section and complete any applicable steps.

    If you have WebSphere Application Server Version 5.0.2.3 installed, download and apply the following interim fix (PQ86604):

<http://www.ibm.com/support/docview.wss?uid=swg24007050>

 If you have WebSphere Application Server Version 5.0.2.6 or above installed, you do not need to download the PQ86604 interim fix. However, you must follow the instructions to enable the largebranch option.





     If you have a WebSphere Commerce instance created you must complete the following steps to enable the largebranch option:

1. Start the WebSphere Application Server server1.
2. Launch the WebSphere Application Server administration console.
3. Enter your user ID.
4. Expand **Servers** and select **Application Servers**.
5. Select *WC_instance_name*.
6. Under the heading **Additional Properties** select **Process Definition**.
7. Under the heading **Additional Properties** select **Java Virtual Machine**.
8. Under the heading **Additional Properties** select **Custom Properties**.
9. Click **New**.

10. Under the heading **General Properties**, in the **Name** field enter:
`com.sun.tools.javac.main.largebranch`
11. Enter `true` in the **Value** field.
12. Click **OK**.
13. Click **Save**.
14. When asked to save to master configuration, click **Save** again.
15. Logout of the WebSphere Application Server administration console.





For instructions on how to stop and start a WebSphere Application Server, refer to the *IBM WebSphere Commerce Version 5.6 Installation Guide*.

Encoded JSP parameter needs to be parsed

    If you have installed WebSphere Application Server versions 5.0.2.5 to 5.0.2.7, 5.1.1 or 5.1.1.1, you must install an additional fix. Download and install the WebSphere Application Server interim fix PQ93388 from the following URL:





<http://www.ibm.com/support/docview.wss?uid=swg24007848>

Solution to "Internal Server Error" with CacheMonitor

    If you have installed WebSphere Application Server version 5.0.2.9 or 5.1.1.3, you must install an additional fix. Download and install the WebSphere Application Server interim fix PQ99045 from the following URL:


<http://www.ibm.com/support/docview.wss?uid=swg24008836>

Solution to "code too large" error compiling JSP

    If you have installed WebSphere Application Server version 5.1.1.1 or 5.1.1.2, you must install an additional fix. Download and install the WebSphere Application Server interim fix PQ96576 from the following URL:


<http://www.ibm.com/support/docview.wss?uid=swg24008289>

iSeries prerequisites

 iSeries customers must apply the most recent Program Temporary Fixes (PTFs). For a list of the PTFs, navigate to the following location:

<ftp://ftp.software.ibm.com/software/websphere/commerce/56/en/v56ptf.html>

Red Hat Linux prerequisites

 If you have Red Hat Enterprise Linux AS Version 3.0 or ES Version 3.0, please do the following.

Before you run the `updatedb`, `updatedbGUI`, or the `acpload` script, you must complete the following steps:

1. Log on as the non-root user.
2. Run the following commands:

```
export LD_ASSUME_KERNEL=2.4.19
export RPM_FORCE_NPTL=1
```

WebSphere Commerce – Express prerequisites

Express If you are using WebSphere Commerce – Express and have a WebSphere Commerce instance created then complete the following steps:

1. **iSeries** Copy the `WAS_installdir/properties/version/EXPRESS.product` file to the following directory

```
WAS_userdir/installedApps/cell_name/WC_instance_name.ear/properties/
version
```

2. **Linux** **Windows** Copy the `WC_installdir/properties/version/EXPRESS.product` file to the following directory

```
WAS_installdir/installedApps/cell_name/WC_instance_name.ear/properties/
version
```

Remote DB2/390 Version 8 prerequisites

Solution for failure to execute DELETE SQL statement in staging DB

DB2 for **390** To issue a DELETE SQL statement in WebSphere Commerce staging database using a remote DB2/390 Version 8 server, you must apply a fix on the DB2/390 server. Contact your DB2/390 administrator to download and apply the DB2/390 PTF Q86276/UQ86546. Download the fixes from the following URL:

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

For more information about this fix, review interim fix P086276 at the following link:

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

Chapter 4. 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. WebSphere Commerce fix packs apply to both WebSphere Commerce Developer and WebSphere Commerce.

Multinode environments

If you have 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 node if 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).

You must run the `updatedb` script on the node where the database is managed.

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 *thereference node*, complete the following sections:

1. Chapter 3, “Prerequisites,” on page 17
2. “Preinstallation” on page 23
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 24.
 - For a graphical install, complete the following section “Graphical user interface install” on page 28.
4. “Post installation steps” on page 30




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 24
 2.    “Running the wcnonroot script” on page 25
 3. Replace the *WC_installdir/instances* directory on your target machine, with the *WC_installdir/instances* directory from your *reference node*.
 4. Use the WebSphere Application Server Network Deployment file synchronization capabilities to update the WebSphere Commerce applications on the appropriate nodes. Refer to the WebSphere Application Server Network Deployment. For more information, refer to the WebSphere Application Server Network Deployment information center:

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

- For a graphical install, complete the following sections:
 1. “Updating WebSphere Commerce” on page 28
 2.    “Running the wcnonroot script” on page 29.
 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

 iSeries customers will be required to 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 (5.6.0.0) CDs the fix pack must be reapplied to that component in order to bring it to the 5.6.0.5 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.

Exporting instances

Any instances exported after the fix pack is applied will no longer be at the fix pack level. The fix pack must be applied to the instance again after exporting it.

Preinstallation

1. Create a temporary directory to download the fix pack into. This temporary directory is denoted by *fp_installdir* in the remaining sections of this guide.
2. Download the fix pack from the WebSphere Commerce 5.6.0.5 fix pack Web site and save it to the *fp_installdir*:

<http://www-1.ibm.com/support/docview.wss?uid=swg24010501>

The download is denoted by *WC_5605_file_name* in the remaining sections of this guide.

iSeries Before moving on to the next step, enter the QShell by typing QSH at the OS/400 or i5/OS command prompt.

3. Navigate to the *fp_installdir* and extract the files in the *WC_5605_file_name* archive by running the following command: **AIX** **Linux** **Solaris**
WAS_installdir/java/bin/jar -xvf WC_5605_file_name

iSeries
jar -xvf WC_5605_file_name

Windows
WAS_installdir\java\bin\jar -xvf WC_5605_file_name

For example, if your temporary directory is named /5605 and the JAR file you have downloaded is named WC_5605_AIX_BE.jar, run the following commands:

```
cd /5605
/usr/WebSphere/AppServer/java/bin/jar -xvf WC_5605_AIX_BE.jar
```

4. **AIX** **Linux** **Solaris** Run the following command:

```
chmod -R 775 fp_installdir
```

For example,

```
chmod -R 775 /5605
```

5. **AIX** **Linux** **Solaris** Ensure that you are logged in as the root user.




iSeries Ensure that you are logged in as a user that has QSECOFR authority.

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

6. 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.

For instructions on how to stop and start these components, refer to the *IBM WebSphere Commerce Version 5.6 Installation Guide* or *IBM WebSphere Commerce — Express Version 5.6 Installation Guide*

7. **Windows** Open a new Command Prompt window for each section of the fix pack install process. For example, after completing the section "Updating WebSphere Commerce" close the Command Prompt window and open a new one in order to complete the section "Running the config_ant script". This will ensure that your PATH and CLASSPATH variables are reset.

8.    Before continuing for the installation, run the following command:
`. WAS_installdir/bin/setupCmdLine.sh`

There are two ways to install this fix pack depending on your operating system.

 **iSeries**

 **DB2** for  **390**  **z/OS** Only the silent installation is available.

 **AIX**  **Linux**  **Solaris**  **Windows** Either the silent installation or the graphical user interface installation may be used.






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 will update the WebSphere Commerce product.

1. Ensure you have reviewed and completed all the necessary steps in Chapter 3, “Prerequisites,” on page 17
2.     Using the command line, navigate to the `fp_installdir` directory.
 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`


 `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, `wc56BE_fp5_os400`.
- `fp_installdir`: The temporary directory where the fix pack was downloaded.

For example,

 `./updateSilent.sh fixpack install /usr/WebSphere/CommerceServer56 wc56BE_fp5_aix /5605`

 `./updateSilent.sh fixpack install /QIBM/ProdData/CommerceServer56 wc56BE_fp5_os400 /QIBM/5605`

 `./updateSilent.sh fixpack install /opt/WebSphere/CommerceServer56 wc56PR0_fp5_linux /5605`


```
▶ Solaris ./updateSilent.sh fixpack install
/opt/WebSphere/CommerceServer56 wc56PRO_fp5_sun /5605
```

```
▶ Windows updateSilent.bat fixpack install c:\WebSphere\CommerceServer56
wc56EXPRESS_fp5_win c:\5605
```

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.

Running the wcnonroot script

▶ AIX ▶ Linux ▶ Solaris

This section will update file ownership and permissions on UNIX[®] systems.

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

```
./wcnonroot.sh
```

Note: If you do not have existing WebSphere Commerce instances or Payments instances, then the fix pack installation is complete; move on to “Post installation steps” on page 30 and complete any applicable steps. If you have existing WebSphere Commerce instances or Payments instances, move on to the next section.

Applying the fix pack to existing WebSphere Commerce and Payments instances

Running the config_ant script

This section will update 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. ▶ 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 ▶ iSeries ▶ Linux ▶ Solaris ./config_ant.sh -buildfile
WC_installdir/xml/config/updateInstances.xml -DupdateCEP=no
[-DinstName=instanceName]
```




```
▶ Windows config_ant.bat -buildfile
WC_installdir\xml\config\updateInstances.xml -DupdateCEP=no
```





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 instances will be updated.


To verify that the script was completed successfully, review the *WC_installdir/logs/updateInstance.log* file. For iSeries machines, review the *WC_userdir/logs/updateInstance.log* file.




Running the updatedb script

This section will update 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 nodes before continuing.






1.    Switch to the WebSphere Commerce non-root user ID. This ID was created before installing WebSphere Commerce.
2. Navigate to the `WC_installdir/bin` directory.
3. Run the following command:

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

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

```
 for   ./updatedb.sh dbname userId password instance_name DB2390 dbhost staging ws locale earPath schemaowner [migFrom]
```

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

- *dbname*: The name of the database to be updated.
 -  This is the database name as found in the relational database directory.
- *userId*: The user ID of the user who owns the database.
 -  The owner of the WebSphere Commerce instance.
- *password*: The password of the user who owns the database.
 -  The password of the owner of the WebSphere Commerce instance.
- *instance_name*: The name of a previously created WebSphere Commerce instance.
- *dbtype*: Either 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.
-   *schemaowner*: The schema owner of the database.
- *migFrom*: This parameter must be specified if a previously migrated WebSphere Commerce instance is being updated. For example, if a WebSphere Commerce instance has been migrated from version 5.5 to version 5.6, then specify a value of 5.6.0.0 for this parameter. If the WebSphere Commerce instance was created at any level of WebSphere Commerce version 5.6, then this parameter should not be specified.

For example,

```
  
```

```
./updatedb.sh mall db2inst1 db2inst1 demo DB2 myHost N ws en_US /usr/WebSphere/  
AppServer/installedApps/myCellName/WC_demo.ear
```

▶ iSeries

```
./updatedb.sh AS400sys demo demopwd demo DB2 myHost N iSeries en_US /qibm/  
userdata/webas5/base/WAS_instance_name/installedApps/myCellName/WC_demo.ear
```

▶ AIX

▶ Linux

▶ Solaris

▶ Windows

To verify that the script was successfully completed, review the `schemacreation_fp5_<dbtype>_<time_stamp>.log` file located in the `WC_installdir/logs` directory.

▶ iSeries

The session that you ran the `updatedb.sh` script indicates a directory to check to view the log files. The logs files are not be 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: `schemacreation_fpX_<dbtype>_<time_stamp>.log` file where `X=1, 2, 3, 4, 5`.

Updating existing WebSphere Commerce and Payments instances

This section will update your WebSphere Commerce instance or Payments instance. Repeat these steps for each WebSphere Commerce instance or Payments instance or both you have configured on your system.

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

▶ AIX

▶ iSeries

▶ 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, `wc56BE_fp5_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 wc56BE_fp5_aix /5605
```

```
► iSeries ./updateSilent.sh fixpack install
/QIBM/UserData/WebAS5/Base/default/installedApps/myCellName/WC_demo.ear
wc56EXPRESS_fp5_os400 /QIBM/5605
```

```
► Linux ./updateSilent.sh fixpack install
/opt/WebSphere/AppServer/installedApps/myCellName/
WC_demo.ear wc56PRO_fp5_linux /5605
```

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

```
► iSeries ./updateSilent.sh fixpack install
/QIBM/UserData/WebAS5/Base/default/installedApps/myCellName/
wpm_Commerce_Payments_App.ear wc56BE_fp5_os400 /QIBM/5605
```

```
► Windows updateSilent.bat fixpack install
c:\WebSphere\AppServer\installedApps\myCellName\
wpm_Commerce_Payments_App.ear wc56BE_fp5_win c:\5605
```

4. Ensure that the installer displays the message Fix pack installation completed successfully. If you do not get this message the installer will indicate which log files to check.
5. The fix pack installation is complete; move on to “Post installation steps” on page 30 and complete any applicable steps.

Graphical user interface 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 will update the WebSphere Commerce product.

1. Ensure you have reviewed and completed all the necessary steps in Chapter 3, “Prerequisites,” on page 17
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 in the following:

```
► AIX ► Linux ► Solaris fp_installdir
```

```
► Windows fp_installdir
```

Click **Next**.

8. Click **Next** to accept the fix pack found.
9. Click **Next** to begin installing.

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 which log files to check. Click **Finish**.

Running the wcnonroot script

This section will update file ownership and permissions on UNIX systems.




1. Switch to the root user.
2. Navigate to the `WC_installdir/bin` directory.
3. Run the following command:
`./wcnonroot.sh`

Note: If you do not have existing WebSphere Commerce instances or Payments instances, then the fix pack installation is complete; move on to “Post installation steps” on page 30 and complete any applicable steps. If you have existing WebSphere Commerce instances or Payments instances, move on to the next section.

Applying the fix pack to existing WebSphere Commerce and Payments instances

Update the WebSphere Commerce instance database and configuration

This section will update the WebSphere Commerce instance database and configuration files to fix pack 5.6.0.5 level. Repeat these steps for each WebSphere Commerce instance you have configured on your system. If your WebSphere Commerce instance is running in a clustered environment, ensure that the server is stopped on nodes before continuing.

1.    Switch to the WebSphere Commerce non-root user ID. This ID was created before installing WebSphere Commerce.
2. Navigate to the `WC_installdir/bin` directory.
3. Run the following command:

   `./updatedbGUI.sh`

 `preinstall.bat`

4. After the GUI window appears, select the commerce instance you wish to upgrade.
5. Check the staging field if the database is a staging database.
6. Select the instance locale.
7. Enter the instance ear path or the `Instance_dir`.

For example,

 `C:\WebSphere\AppServer\installedApps\myCellName\WC_demo.ear`

8. Click **Update** to trigger the update process.

Note: This step updates the database and may take a long time to process. While the database is being updated, the GUI window may look frozen. However, this appearance is intended for the duration of the update and operation will return to normal after the process is complete.




9. When the process completes, click **Cancel** to close the program.

To verify that the script was completed successfully, review the following log files:

schemacreation_fpX_<dbtype>_<time_stamp>.log
WC_installdir/Togs/updateInstance.log

Updating existing WebSphere Commerce and Payments instances

This section will update your WebSphere Commerce instance or 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 only WebSphere Commerce Payments instance exists and no WebSphere Commerce instance has been created.

1.    Ensure that you are logged in as the root user.
2. Using the command line, navigate to the *fp_installdir* directory and enter the following commands based on your operating system:

   `./updateWizard.sh`

 `updateWizard.bat`

3. Select a language and then click **OK**
4. Click **Next** to continue.
5. Check the **Specify product information** check box, then click **Browse**.
6. Navigate to the *WAS_installdir/installedApps/cell_name* directory and do one of the following:

If you are applying the fix pack to a WebSphere Commerce instance:


- a. Click once on the *WC_instance_name.ear* folder.
- b. Click **Open**.
- c. Click **Next** to continue.

If you are applying the fix pack to a WebSphere Commerce Payments instance:

- a. Click once on the *pay_instance_name_Commerce_Payments_App.ear* folder.
- b. Click **Open**.
- c. Click **Next** to continue.

7. Select **Install fix packs**. Click **Next**.
8. Under Fix Pack Directory, type in the following:

   `fp_installdir`

 `fp_installdir`

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 get this message the installer will indicate which log files to check.
12. Click **Finish**. The fix pack installation is complete; move on to “Post installation steps” and complete any applicable steps.

Post installation steps

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

Advisory

Note: New step required when creating new WebSphere Commerce instance.

You must manually update the Channel Manager access control policies any time you create a new WebSphere Commerce instance after WebSphere Commerce 5.6 fix pack 5 is installed.

Anytime you create a new WebSphere Commerce at 5605 level, please ensure that you complete the steps described in the “Updating Channel Manager access control policies.”

Updating Channel Manager access control policies

Note: You must update the access control policies if you have any existing instance or every time you create a new instance. However, if you have WebSphere Commerce fix pack 3 applied, then you do not need to update the access control policies on the existing instances again.

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. There are scripts provided to update the Channel Manager access control policies. You must check that your database does not have any customization before running the scripts. Otherwise your customization would be overwritten. Please execute the following SQL commands and compare the output. The commands may be too long for your environment. Please add them to .sql script files if that is the case.
 - 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
('ChannelManagersExecuteStoreStateChangeCommandsOnStore
Resource') 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
```

If there is no customization then this command will 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
```

If there is no customization then this command will 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
```


('ChannelManagersExecuteStoreCategoryUpdateCommandsOnStoreDataResourceGroup') and p.member_id = -2001 and p.mbrgrp_id = m.mbrgrp_id and p.actgrp_id = a.actgrp_id and p.acresgrp_id = r.acresgrp_id




If there is no customization then this command will 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:

WC_installdir/xml/policies/xml

- b.    Switch to the WebSphere Commerce non-root user ID. This ID was created before installing WebSphere Commerce.
- c. Run the following command:

    *WC_installdir/bin/acpload.sh dbname userID password d88838ChMgrAccessControlPolicies.xml [schema_name]*




 *WC_installdir\bin\acpload.cmd dbname userID password d88838ChMgrAccessControlPolicies.xml [schema_name]*

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.
- d. Ensure that the script was successfully completed, do the following:
 - Ensure that no errors are found in *WC_installdir/logs/acpload.log* file. For iSeries machines, the file is *WC_userdir/instances/acpload.log*.
 - Ensure that there is no generated file with the word "error" in the file name located in the *WC_installdir/xml/policies/xml* directory. For iSeries machines, the log file is located in the *WC_userdir/instances/instance_name/xml/policies/xml* directory.
 - e. Restart the WebSphere Commerce Server for changes to come into effect.

Running the fixDeploy tool

Please follow these steps to update Enterprise Java Beans for each existing WebSphere Commerce instance. Repeat the steps for each 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 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 fullpathToEar WC_instance_name`

For example,

```
./fixDeploy.sh /tmp/workspace
/usr/WebSphere/AppServer/installedApps/myCellName WC_demo
```

- ▶ **iSeries** `./fixDeploy temp_dir fullpathToEar WC_instance_name WAS_userdir`

For example,

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

- ▶ **Windows** `fixDeploy.bat temp_dir fullpathToEar WC_instance_name`

For example,

```
fixDeploy.bat c:\temp\workspace
C:\WebSphere\AppServer\installedApps\myCellName WC_demo
```

To verify that the script was completed successfully, review the following log file:
`/WC_installdir/logs/fixDeploy.log`

Implementing changes for WebSphere Commerce Performance Monitor

To implement all of the changes to the WebSphere commerce Performance Monitor, please do the following:

1. Copy the `WC_installdir/lib/wcspmi.jar` file to the `WAS_installdir/classes`.
2. Copy the `WC_installdir/xml/pmi/pmijmxMapperExtension.xml` file to the `WAS_installdir/properties` directory.
3. Restart the WebSphere Commerce Performance Monitor.

Implementing changes for WebSphere Commerce Accelerator

Recompile these two JSPs for WebSphere Commerce Accelerator:

- `CommerceAccelerator/Web Content/tools/catalog/ItemUpdateDetail.jsp`
- `CommerceAccelerator/Web Content/tools/catalog/ProductUpdateDetail.jsp`

To recompile the JSPs, do the following:

1. ▶ **AIX** ▶ **Solaris** ▶ **Linux** ▶ **Windows** Delete the `WAS_installdir/temp/cell_name/WC_instance_name/WC_instance_name/CommerceAccelerator.war` directory

▶ **iSeries** Delete the `WAS_userdir/temp/cell_name/WC_instance_name/WC_instance_name/CommerceAccelerator.war` directory

2. Navigate to the `WAS_installdir/bin` directory
3. Run the following command:

```
▶ AIX ▶ Solaris ▶ Linux ./JspBatchCompiler.sh -enterpriseapp.name WC_instance_name -cell.name cell_name -node.name node_name -webmodule.name CommerceAccelerator.war -server.name WC_instance_name
```

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

Windows JspBatchCompiler.bat enterpriseapp.name WC_instance_name
-cell.name cell_name -node.name node_name -webmodule.name
CommerceAccelerator.war -server.name WC_instance_name

For example,

```
JspBatchCompiler.bat -enterpriseapp.name WC_demo -cell.name MyCell  
-node.name MyNode -webmodule.name CommerceAccelerator.war  
-server.name WC_demo
```

Updating the triggers in the staging server's database

DB2 Oracle

If you have an existing DB2 or Oracle staging server database, then complete the following steps to update the triggers.

1. Connect to the staging server database.
2. Run the following commands against your staging server database:

DB2

- db2 -td# -vf WC_installdir/schema/db2/wcs.d81146.sql
- db2 -td# -vf WC_installdir/schema/db2/wcs.d81041.sql
- db2 -td# -vf WC_installdir/schema/db2/wcs.d82610.sql

Oracle

- @WC_installdir/schema/oracle/wcs.d81146.sql;
- @WC_installdir/schema/oracle/wcs.d82610.sql ;

Creating 64-bit stored procedures on a remote DB2 database

Business Professional

DB2

AIX Solaris

This section is optional. If you are using a remote DB2 64-bit database on AIX or Solaris you can now create 64-bit stored procedures. There are two scenarios where 64-bit stored procedures can be used. You have a remote DB2 64-bit database and have not yet created a WebSphere Commerce instance or, you have a remote DB2 32-bit database and have an existing WebSphere Commerce instance.

If you have a remote DB2 64-bit database and have not yet created a WebSphere Commerce instance complete the following steps to use the 64-bit stored procedures.

1. On your WebSphere Commerce node, do the following:
 - a. Switch to the non-root user.
 - b. Copy all the files in the WC_installdir/schema/db2/storedprocedure/64bit directory to the WC_installdir/schema/db2/storedprocedure directory.
 - c. Solaris Ensure that the DB2 instance owner is part of the fenced user's primary group.
 - d. Create the WebSphere Commerce instance.
 - e. Check the stored procedure creation logs located in the WC_installdir/instances/instance_name/logs to see if the stored procedure creation was successful.

If you have a remote DB2 32-bit database and have an existing WebSphere Commerce instance complete the following steps to use the 64-bit stored procedures.

1. On your WebSphere Commerce node, stop the WebSphere Commerce instance.
2. On your database node, migrate the 32-bit instance to a 64-bit instance. Refer to your DB2 documentation for instructions.
3. On your WebSphere Commerce node, drop the current stored procedures.
 - a. Switch to the non-root user.
 - b. Navigate to `WC_installdir/bin`.
 - c. Run the following command:

```
./dropsp.db2.sh db_name db_user db_password
```

Where `db_name` is your database name, `db_user` is the database user name and `db_password` is the database user name password.
4. On the database node, run the following command to set the permissions for stored procedure creation:

```
chmod -R 777 instance_home/sqllib/function
```

Where `instance_home` is the home directory of the instance owner. For example,

```
chmod -R 777 /home/db2inst1/sqllib/function
```
5. On the WebSphere Commerce node, re-create 64-bit stored procedures.
 - a. Switch to the non-root user.
 - b. Copy all the files in the `WC_installdir/schema/db2/storedprocedure/64bit` directory to the `WC_installdir/schema/db2/storedprocedure` directory.
 - c. Navigate to `WC_installdir/bin`.
 - d. Run the following command:

```
./createsp.db2.sh db_name db_user db_password db_schema
```

Where `db_name` is your database name, `db_user` is the database user name, `db_password` is the database user name password and `db_schema` is your database schema.
 - e. Check the stored procedure creation logs located in the `WC_installdir/instances/instance_name/logs` to see if the stored procedure creation was successful.
6. On the database node, run the following command to reset the correct permissions on the function directory

```
chmod -R 7775 instance_home/sqllib/function
```

Where `instance_home` is the home directory of the instance owner. For example,

```
chmod -R 7775 /home/db2inst1/sqllib/function
```

For instructions on how to create a WebSphere Commerce instance, start a WebSphere Commerce instance or stop a WebSphere Commerce instance refer to the instructions in the *IBM WebSphere Commerce Version 5.6 Installation Guide*.

WebSphere Commerce on OS/400 and i5/OS with a remote staging server database

► iSeries

When running WebSphere Commerce on OS/400 or i5/OS with a remote staging server database, you must use the toolbox JDBC driver. Three parameters for the staging commands `stagingcopy.sh`, `stagingprop.sh` and `stagingcheck.sh` have

been expanded to support the toolbox JDBC provider. Please see the Information Center for the new values for the parameters: sourcedb, destdb and dbtype.

Precompiling JSPs on OS/400 or i5/OS

iSeries

If you are running WebSphere Commerce on OS/400 or i5/OS, precompile your JSP's 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
```

Updating the WebSphere Commerce Help files

This fix pack updates your WebSphere Commerce help files. To enable this update, you must restart the WebSphere Commerce Information Center. For detail instructions, refer to the Online WebSphere Commerce Information Center (<http://publib.boulder.ibm.com/infocenter/wc56help/index.jsp?topic=/com.ibm.commerce.admin.doc/tasks/tsrwcic.htm>).

Updating the WebSphere Commerce documentation

For updated information go to the WebSphere Commerce Library page (<http://www.ibm.com/software/genservers/commerce/library/>); select the edition of WebSphere Commerce that you are using. On the Edition-specific Library page select **Version 5.6** under the Technical Documents section. On the page that displays, select **Information center** (Download a local copy); then follow the installation directions.






Chapter 5. Uninstalling the fix pack

Before removing the fix pack

Uninstalling the fix pack will restore the WebSphere Commerce product back to the level it was at before the fix pack installation was completed. These instructions below 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.

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

-    Ensure that you are logged in as the root user for WebSphere Commerce.
 Ensure that you are logged in as a user that has QSECOFR authority.
 Ensure that you are logged in with a Windows user ID that is a member of the Administrator group.
- 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.

For the specific requirements on each of the supported operating systems, refer to "Prerequisite software" in the *IBM WebSphere Commerce Version 5.6 Installation Guide* or *IBM WebSphere Commerce – Express Version 5.6 Installation Guide*






There are two ways to uninstall this fix pack, depending on your operating system.

 Only the silent uninstall is available.

    Either the silent uninstall or the graphical user interface uninstall may be used.

Silent uninstall

Removing the fix pack from WebSphere Commerce

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

```
▶ AIX ▶ iSeries ▶ Linux ▶ Solaris ./updateSilent.sh fixpack uninstall
WC_installdir fixpackID
```

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

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 5.6. The default installation 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, wc56BE_fp5_aix.

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

```
▶ iSeries ./updateSilent.sh fixpack uninstall
/QIBM/ProdData/CommerceServer56 wc56BE_fp5_os400
```

```
▶ Windows updateSilent.bat fixpack uninstall
c:\WebSphere\CommerceServer56 wc56EXPRESS_fp5_win
```

3. Ensure that the installer displays the following message:

- ▶ AIX ▶ Linux ▶ Solaris ▶ Windows Fix pack uninstallation completed, please check /WC_installdir/logs/update/timestamp_wc56edition_fp5_operating_system_uninstall.log
- ▶ iSeries WUPD00371: Fix pack uninstallation completed, please check /WAS_userdir/installedApps/cell_name/WC_instance.ear/logs/update/timestamp_wc56edition_fp5_os400_uninstall.log for any errors.

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

- 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, move on to the next section.

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

```
▶ iSeries 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.

```
▶ AIX ▶ Linux ▶ Solaris ./updateSilent.sh fixpack uninstall [
Instance_dir | Pay_instance_dir ] fixpackID
```

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

```
▶ Windows 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, wc56BE_fp5_aix.

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

```
iSeries ./updateSilent.sh fixpack uninstall
/QIBM/UserData/WebAS5/Base/WAS_myserver/installedApps/cell_name/
WC_demo.ear wc56BE_fp5_os400
```

```
Windows updateSilent.bat fixpack uninstall
c:\WebSphere\AppServer\installedApps\cell_name\
pay_instance_name_Commerce_Payments_App.ear wc56BE_fp5_win
```

For example, to remove the fix pack from the Payments instance:

```
AIX ./updateSilent.sh fixpack uninstall
/usr/WebSphere/CommerceServer56/installedApps/cell_name/
pay_instance_name_Commerce_Payments_App.ear wc56BE_fp5_aix
```

3. Ensure that the installer displays the following message:

```
Fix pack uninstillation completed, please check /WC_installdir/logs/update/
timestamp_wc56edition_fp5_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 Linux Solaris ./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 get 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 uninstillation is complete. If you have existing WebSphere Commerce instances or Payments instances on which the fix pack has been applied, move on to the next section.

Removing the fix pack from existing WebSphere Commerce and Payments instances

This section will remove 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 your system.

1. Using the command line, navigate to the *fp_installdir* directory and type the following commands based on your operating system:

   ./updateWizard.sh

 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 *WAS_installdir/installedApps/cell_name* directory and do one of the following:
 - If you are removing the fix pack from a WebSphere Commerce instance:
 - a. Click once on the *WC_instance_name.ear* folder.
 - b. Click **Open**.
 - 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 **Open**.
 - c. Click **Next** to continue.
6. Select **Uninstall fix packs**. Click **Next**. If the installer is unable to locate the installed fix pack, exit the installer and return to step 1.
7. Select the fix pack to be uninstalled. Click **Next** to continue.
8. Click **Next** to uninstall the fix pack.
9. Ensure that the installer displays the message The following fix pack was successfully uninstalled. If you do not get this message the installer will indicate which log files to check.
10. Click **Finish**. Uninstallation of the fix pack is complete.

Chapter 6. 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 may receive an error when updating EJB isolation levels using the `fixDeploy` tool. The exception is similar to the one below.

```
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 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.

Problems with WebSphere Commerce Payments after migration

If you install WebSphere Commerce 5.6 with WebSphere Commerce Payments, and you want to change the payment method during migration, you might run into the following problem:

```
Error: File C:\WEBSPH~1\COMMER~1/xml/migration\backupwcim.xml does not exist.
Terminate WCIM.
```

To resolve the problem apply the interim fix JR20173 which can be found on the WebSphere Commerce 5.6.0.1 download page.

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"> JAVAC MESSAGE FILE IS BROKEN: key=javac.err.branch.too.big, arguments=null, null, null 	<p>Download the WebSphere Application Server interim fix PQ86604. For details on how to install the interim fix, please refer to Chapter 3, "Prerequisites," on page 17 of this installation guide.</p>
<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 classes out of /opt/WebSphere/AppServer/temp/ %node%/instance_name/instance_name/ Stores.war Navigate to WAS_installdir/bin Precompile the JSPs ./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 only seen 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
```

- The WebSphere Commerce 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 may originate in the user profile settings. On the machine where you have installed WebSphere Commerce Payments, complete the following:

- Run the following command:

```
DSPUSRPRF <F4>
```

- 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:
`CHGJOB <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.

Troubleshooting for Linux

Problem installing WebSphere Application Server Version 5.0.2 Cumulative Fix 3 on Red Hat Enterprise Linux AS or ES, Version 3.0 for Linux on Intel based systems

To resolve the problems installing WebSphere Application Server Version 5.0.2 Cumulative Fix 3 on Red Hat Enterprise Linux AS or ES, Version 3.0 for Linux on Intel® based systems, refer to *Appendix A. Installing WebSphere Commerce on Red Hat Enterprise Linux, Version 3.0* in the most recent edition of *WebSphere Commerce Version 5.6 Installation Guide for Linux*.

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, please 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 occurred 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, please contact your DB2/390 administrator. Please 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>

Deadlocks when purchasing orders with many users in a B2B store

If you install WebSphere Commerce 5.6 on zLinux and use remote DB2/390 version 8 server, you might run into deadlocks on tables such as TMPBOLIST, TMPCMLIST, TMPFFCLIST, TMPRADTL, TMPRCTLIST, SUBORDADJ, ORDADJUST, ORDADJDSC. This usually happens when you purchase orders with many users in a B2B store.

To resolve the problem, apply the APAR LI70683 and follow the readme file to apply it. Please download the fix from this link:

ftp://ftp.software.ibm.com/software/websphere/commerce/56/interimfix/LI70683_5604_Linux.zip

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