WebSphere® Commerce Fix Pack
Commerce – Express Fix Pack

Version 5.6.0.7

IBM

Installation Guide

Edition Notice

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.

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

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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 5.6.0.7 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 5.6.0.7 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, 5.6.0.7, 5.6.0.5, 5.6.0.6).

Summary of changes

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

Edition	Date	Updates
First edition	November 2006	• 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.

▶ Professional indicates information specific to WebSphere Commerce Professional.

▶ Express indicates information specific to WebSphere Commerce – Express.

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

▶ Linux indicates information that is specific to WebSphere Commerce for Linux™
for iSeries™, WebSphere Commerce for Linux for pSeries®, WebSphere Commerce
for Linux for xSeries®, and WebSphere Commerce for Linux for zSeries® and
S/390®.

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

i5/OS 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.

Terminology used in this book

cell_name
> 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
> 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
> This is the installation directory for IBM HTTP Server. These are the defaults for IBM HTTP Server:

> **AIX** /usr/IBMHTTPServer

> **Solaris** **Linux** /opt/IBMHTTPServer

> **Windows** C:\Program Files\WebSphere\IBMHTTPServer

WAS_installdir
> This is the installation path for WebSphere Application Server. These are the default installation paths:

> **AIX** /usr/WebSphere/AppServer

> **400** /QIBM/ProdData/WebAS5/Base

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

> **Windows** C:\Program Files\WebSphere\AppServer

WAS_userdir

> This is the path for all the data used by WebSphere Application Server that
> can be modified or must be configured by the user:
>
> `400` /QIBM/UserData/WebAS5/Base/*WAS_instance_name*

WC_installdir

> This is the installation path for WebSphere Commerce. These are the
> default installation paths for WebSphere Commerce:
>
> `AIX` /usr/WebSphere/CommerceServer56
>
> `400` /QIBM/ProdData/CommerceServer56
>
> `Solaris` `Linux` /opt/WebSphere/CommerceServer56
>
> `Windows` C:\Program Files\WebSphere\CommerceServer56

WC_userdir

> This is the directory for all the data used by WebSphere Commerce that
> can be modified or must be configured by the user:
>
> `400` /QIBM/UserData/CommerceServer56

Instance_dir

> This is the directory for your WebSphere Commerce instance. These are the
> default installation paths:
>
> `AIX` `Linux` `Solaris` *WAS_installdir*/installedApps/*cell_name*/
> WC_*instance_name*.ear
>
> `400` *WAS_userdir*/installedApps/*cell_name*/WC_*instance_name*.ear
>
> `Windows` *WAS_installdir*\installedApps*cell_name*\WC_*instance_name*.ear

Pay_instance_dir

> This is the directory for your WebSphere Commerce Payments instance.
> These are the default installation paths:
>
> `AIX` `Linux` `Solaris` *WAS_installdir*/installedApps/*cell_name*/
> *pay_instance_name*_Commerce_Payments_App.ear
>
> `400` *WAS_userdir*/installedApps/*cell_name*/
> *pay_instance_name*_Commerce_Payments_App.ear
>
> `Windows` *WAS_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 is available for all platforms supported by WebSphere Commerce Version 5.6.

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

WebSphere Commerce, version 5.6 - prerequisites, supported operating systems, databases and servers Technote #1223707

Chapter 2. 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 and APARs listed in the following table:

Note: If you have installed any APARs that are not listed in the table, contact WebSphere Commerce support to ask whether the APARs are compatible with this fix pack. After applying the fix pack, you must reinstall the APARs.

Interim fix #	Description
IY81419	Corrected an issue when deleting individual files under file management.
IY81965	Addressed a 4K clob limit with AttachmentJDBCHelperBean-Oracle.
IY82080	Corrected an open cursors with IdResGen issue.
IY82308	Make 'cursor hold' parameter optional.
IY82589	Corrected a contracts & filtering differences in Master and Sales Catalogs issue.
IY82628	Corrected OrderPrepareCmd to handle the free gift item like OrderCalculate.
IY82844	Corrected an issue when finding user/org with consecutive spaces in LDAP.
IY82949	Corrected an issue with renaming files from ManageFiles GUI in WebSphere Commerce Accelerator.
IY82972	Trimmed trailing space on Ad Copy name field.
IY83331	Corrected an issue where RFQDataBean caused an update when doing a read.
IY83337	Corrected an issue where FileUploadAccessBean causes update to FILEUPLOAD table during read.
IY83567	Corrected a stopServer.sh hanging issue.
IY83748	Corrected an issue removing a template that is assigned to a category in WebSphere Commerce Accelerator.
IY83995	Corrected an issue where DN should be able to handle \,
IY84081	Performance fix for have promotion engine.
IY84098	Corrected an issue deleting shared requisition list.
IY84162	Performance improvement for Manage Files page of WebSphere Commerce Accelerator.
IY84389	PCI enablement.
IY84567	Corrected an issue where available languages for a store contains a stray "selected" entry.
IY85022	Corrected a user search from WebSphere Commerce Accelerator locking table issue.
IY85314	Use StoreRegistry to obtain StoreDefaultAccessBean.
IY85929	Corrected a protected context attribute and add protected context attribute exit error.

IY86215	Corrected a memory leak in nc_crypt.
IY86483	Corrected the order level condition to be based on subtotal before tax.
IY86715	Corrected an issue of receiving blank page when using search with ″.
IY86769	Corrected duplicate category when browsing catalog during promotion creation.
IY86836	Performance fix for Slow ProductDisplay command.
IY86854	Corrected a generic application error when using browser's back button.
IY87038	Corrected a valid offer not getting picked up for a pending order.
IY87190	Corrected an issue where custom contract not displaying discount correctly from base.
IY87552	Corrected a products related reports showing -9999 issue.
IY88553	Corrected an UpdateTax01CmdImpl finder exception issue.
IY88656	Allow future invalidation via cacheivl table.
IY88772	Configurable scheduler command to clear trash can order.
IY88874	Addressed an issue with SchedCouponCmdImpl memory consumption.
IY89202	Corrected a condition saved when segment with only explicitly included/excluded user condition is defined issue.
IY89295	Corrected a CPPMN table locks with updates when updates are not happening issue.
IY90772	Improvements to the promotion engine evaluation cost on product promotions.
JR22395	Corrected an OrderDatabean checks orderitem status not inventory status issue.
JR22728	Corrected an instance creation issue.
JR22773	Corrected an order placed in accelerator fails if quantity > inventory issue.
JR23109	Corrected an issue where StoreID is lost when admin logs in to accelerator.
JR23244	Corrected a Billing Address missing from ORDERS table issue.
JR23430	Corrected an issue with storing 'content' in MESSAGE table.
JR23466	Extensibility of category create command.
JR23543	Corrected an issue when trying to display more than 20 users in included customers.
JR23605	Addressed Null Shipping Charge for Free Product Promotion issue.
JR23613	Updated Fixdeploy tool to work with firewalls.
JR23657	Addressed catalog search tool supporting nonbuyable items/products.
JR23688	Corrected an issue assigning shipping codes to products.
JR23777	Corrected an issue where available languages for a store don't display in WebSphere Commerce Accelerator
JR23816	Corrected a MessageAccessBean null pointer exception.
JR24015	Corrected an issue where importing an exported hosting contract fails.
JR24116	Corrected java.lang.NumberFormatException when changing flow to use ″single shipping address″.
JR24147	Provided a way to get requisition lists regardless of current active organization.

JR24205	Corrected a null pointer exception when enabling persistent sessions.
JR24243	Corrected a guest shopping cart not merging with registered user's cart issue.
JR24312	Corrected an issue when storeId is switched, trading agreements associated with the old storeId is used.
JR24336	Corrected a List of Files displayed sorting issue.
JR24386	Corrected a product recommendation campaigns filtering on category issue.
JR24498	Corrected an issue with specific products not showing products after assigning shipping code.
JR24536	Corrected a StaleConnectionException with large number of orderitems issue.
JR24537	Corrected an issue where startdate and enddate specified in price not updated in offer table.
JR24552	Corrected an issue where having two or more web activities, only one web activity shows up.
JR24621	Corrected an issue with category name not displaying information if ad copy includes the '&' character.
JR24721	Corrected a DuplicateKeyException passed over in SetOrderPaymentInfoCmdImpl issue.
JR24757	Corrected getEntitledSubCatalogGroupsByStore null pointer exceptions.
JR24814	Corrected null pointer exception with promotions bucket, when order checkout fails.
JR24822	Corrected an issue when trying to automatically approve buyer organizations.
JR24848	Corrected a price adjustment refresh issue.
JR24860	Corrected WebSphere Payments UI login issue in toolkit.
JR25024	Corrected a discount price of item not reflected in database during order flow issue.
JR25134	CatalogEntryBeanFinderObjectBase.findByCatalogEntryIds to use parameter markers.
JR25163	Corrected an issue where Oracle does not accept '' as empty string.
LI71087	Corrected a username and password issue with SMTP/e-mail setup.
LI71188	Corrected an issue with giving 100% of discounts for a coupon.
LI71201	Corrected a UTF code set checking issue on Linux.
LI71252	Corrected an issue sending duplicate cancellations when notification is enabled for a guest shoppers.
LI71288	Deadlock in INVENTORY in repeated Scheduled Orders.
LI71336	Corrected orderitems status not rolling back properly.
LI71584	Added method to update EJB repository.
SE25158	Corrected a SQL Statement exceeds maximum size in AS/400 DB2 issue.
SI23299	Corrected a Inventory table out of sync with Orders on iSeries issue.
SI23474	Corrected a store DN as uppercase to avoid multiple toUpper calls issue.

Determining installed interim fixes (APARs or efixes)

1. Navigate to the directory where you extracted this fix pack.
2. Run the following command:

- This section determines which interim fixes have been applied to WebSphere Commerce.

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

  ```
  ./updateSilent.sh fix list WC_installdir
  ```

  `Windows`

  ```
  updateSilent.bat fix list WC_installdir
  ```

  Where *WC_installdir* is defined in the Path variables section on page vii.

  For example:

  `AIX`

  ```
  ./updateSilent.sh fix list /usr/WebSphere/CommerceServer56
  ```

  `Windows`

  ```
  updateSilent.bat fix list c:\WebSphere\CommerceServer56
  ```

- This section determines which interim fixes have been applied to your WebSphere Commerce instance. **Note:** To determine what interim fixes are installed on your Payments instance, contact IBM support.

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

  ```
  ./updateSilent.sh fix list Instance_dir
  ```

  `Windows`

  ```
  updateSilent.bat fix list Instance_dir
  ```

  Where *Instance_dir* is defined in the Path variables section on page vii.

  For example:

  `400`

  ```
  ./updateSilent.sh fix list /QIBM/UserData/WebAS5/Base/WAS_myserver/installedApps/
  myhost/WC_demo.ear
  ```

  `Linux`

  ```
  ./updateSilent.sh fix list /opt/WebSphere/AppServer/installedApps/myhost/
  WC_demo.ear
  ```

  Note: If the WebSphere Commerce instance was created after the installation of an interim fix, running the above commands against the WebSphere Commerce instance will not report such interim fixes. These fixes are not removed from the instance during the fix pack installation and do not need to be reinstalled on the instance.

Here is a list of additional 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]

- Javadoc updates [1,2,4,5,6,7]
- Support for 64 bit DB2® Database on AIX and Solaris [1]
- Performance enhancements [1,2,5,6,7]
- Improvements to Staging Server [2,5,6]
- Improvements to security [2,4,5,6]
- Improvements to DBClean [4]
- Improved Analytics Reports [5,6]
- Improvements to Orders Support for WebSphere Application Server with an iSeries remote database [5]
- Sun Java™ System Directory Server Enterprise Edition v5.2 Support [6]
- 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]
- 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 onSelect 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 JSP files to respect HTML tags on accelerator description [5]
  - Corrected can not add a big requisition list to shopping cart issue [5]
  - Corrected recommended Sales Category does not appear in the eSpot issue [6]
- 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]
  - Corrected issue cannot create an Order under DemanChainB2C Store issue [6]
- 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]
- Replaced literals in SQL in CampaignInitiativeEvaluateCmdImpl.getPurchaseHistoryOrderItems [6]
- Corrected improper behavior for Web activity with the current shopping cart contains category if the category deleted [6]
- Corrected an issue where the category was added to the list but the typed name is not cleared from the text field [6]
- Corrected issue where collateral save cmd does not handle and return error properly [6]
- Corrected issue where multiple category gift with purchase promotional Ad copy does not work as expected with entitlement Filter on [6]
- Corrected an exception during invocation of "findByCatalogGroupParentId" [6]
- Corrected a mbrgrpdesc table staging issue.[7]
- 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]
  - Corrected a method not found error.[7]
- Calculation
  - Corrected an error when placing guest order.[7]
- 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]

- – Corrected a Configuration Manager issue accepting no existing db home directory [6]
- – Corrected EJB descriptor for configurator to be DB2400 in ejb-jar.xml [6]
- – Corrected a demo instance creation issue with Windows and Oracle.[7]
- – EAR path validation on the UpdatedbGUI panel. [7]
- – Updated messaging when using root user to run updatedbGUI.sh. [7]
- – Corrected an updateSilent.bat fails when WCinstalldir contains a space issue. [7]
- – Corrected a blank page for admincosole orgadminconsole with remote webserver issue. [7]
- – Corrected an updatedbGUI fails when *WCinstalldir* contains a space issue. [7]
- – Corrected a problem when finding resource for bundle. [7]
- – Capturing updatedb standard out and standard error to log file.[7]
- 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]
  - – Corrected null in PriceTCMasterCatalogWithFiltering issue [6]
  - – Corrected an issue with contract operation button enablement. [7]
  - – Updated a diagnostic message from ContractCmdUtil. [7]
  - – Corrected a contract operation button enablement issue.[7]
- Coupons
  - – Corrected exception in SchedCouponCmdImpl when starting server [6]
- 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]

- Discounts
  - Corrected a new promotion discount range does not show up after creating a new promotion issue.[7]
- 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 issue [5]
  - Corrected SupplierHub reset password fails if challengeAnswer given issue [6]
- Inventory
  - Corrected a stored procedure "GetItems" failed with error code "444" issue. [7]
  - Corrected a logon adminconsole failed after config Commerce to LDAP server issue. [7]
  - Correct a customer information by fuzzy search issue. [7]
  - Corrected as400.mapping for DB2 Express.[7]
- Marketing
  - Corrected issue creating segment in Accelerator, if the last check box of a constrain is selected, all are [5]
- Messaging
  - Corrected error with sample OrderStatus.wsdl [1]
  - Resolved issue where order status updated even though expired SupplierCookie used [1]
  - Corrected issue where NPE appeared between server restarts if ME commands are used [1]
  - Corrected Portal Alert messaging missing JSP file [1]
  - Corrected NullPointerException when MSGTYPES.DESCRIPTION column is null [5]
- Massload
  - Corrected issue where updatedb.sh fails on subsequent executions [4]
  - Corrected Massload issue loading xml needed for contracts [5]
  - Corrected optimizer statistics regeneration issue [5]
  - Corrected idresolver doesn't properly detect an AS/400® connection issue [5]
  - Corrected SQL type and open cursor issues with Oracle 9.2.0.4 [5]
  - Corrected SAXParseException on Oracle 9201 [6]
  - Corrected massextract cmd on Windows issue [6]
  - Corrected Demo instance creation failure when system locale is Turkish issue [6]
- Migration
  - Corrected a migrate instance failure using switchover mode issue.[7]
- Models
  - Corrected an IE limitation hit with InventoryAllocationCheck URL. [7]
  - Corrected a store display problem after launch under default URL issue. [7]

- – Corrected a generic error using breadcrumb links issue. [7]
- – Corrected a Wish List Display issue. [7]
- – Corrected an add to cart failure if there are many SKUs in product page issue. [7]
- – Corrected a publishing Extended Sites sir files modify MANIFEST.MF issue. [7]
- – Corrected a viewing items' prices on SupplierMarketPlace issue. [7]
- – Addressed a redundant buttons and messages on item display page issue. [7]
- – Corrected a catalog button on Supplier Hub going to hosted store issue. [7]
- – Corrected a supplier stores that are closed should not be an option issue. [7]
- – Corrected your order page, select a supplier list is not correct issue.[7]
- Orders
  - – Corrected issue where PreProcessOrderCmdImpl does not update promised availability times [1]
  - – Corrected issue where OrderItemMove does not move coupon attachments and attributes [1]
  - – Resolved ExtendOrderItemProcessCmdImpl API compatibility issue [2]
  - – Corrected number format exception [2]
  - – Resolved issue where OrderListDB. setFetchCurrentPendingOrder(boolean) was not working [2]
  - – Resolved OrderNotifyCmdImpl exception if langid was null [2]
  - – Corrected OutOfStockOrderItems null pointer exception [2]
  - – Corrected issue where no eligible trading agreements can be found for user [4]
  - – Corrected error when invoking OrderPrepare command [4]
  - – 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 issue [5]
  - – Corrected order command for shipping promotion issue [5]
  - – Corrected deleting an orderitem already having been deleted issue [5]
  - – Corrected order the created static kits with quantity issue [5]
  - – Corrected ShopCart 'GenericErr' if administrator with existing order issue [5]
  - – Corrected exception generating message in SystemOut.log when order not found [5]
  - – Corrected static kit purchase issue [5]
  - – Corrected Search Order by userid performs LIKE comparison for Exact Match issue [5]
  - – Corrected shoppingcart miscalculate if promotions returns catentryId=null issue [5]
  - – Updated OrderSearchBean.java [5]
  - – Corrected OrderAdjustmentDescriptionBeanBase ejbCreate initialization incorrect issue [5]
  - – Corrected JavaScript™ error on Shipping->Define Charge Details page [5]
  - – Corrected issue placing guest order in Accelerator for multiple organizations [5]
  - – Provided additional info on the pop-up error message CMN3101E [6]
  - – Corrected an issue with FreeShipping promotion [6]
  - – Corrected 'L' state order changes after running DoPayment cmd issue [6]

- Corrected an issue where a Registered customer cannot logon after a guest order [6]
- Corrected an Order Add Product Details Page not showing the price details issue [6]
- Methods in OrderNotifyCmdImpl.java changed to protected. [7]
- Corrected null pointer exception with SetPendingOrder .[7]
- Corrected a SQL issue in OrderSearchBean. [7]
- Delete CVV2 code from ORDPAYINFO table once received by Payments. [7]
- Corrected an OrderProfileUpdate did not refresh, when address has updated issue. [7]
- Corrected a shopping flow failure after some items with promotion enabled. [7]
- Corrected a CMN0630E when set the same address of billing and shipping issue. [7]
- Corrected a shipping charges blank if StartDate/EndDate null in CALRULE issue. [7]
- Corrected a CMN0630E issue when creating a new address as shipping address issue. [7]
- Corrected an IsUsingATP is receiving an incorrect value for the store ID issue. [7]
- Corrected a PONumber is missing in BatchOrderRequest scenario issue. [7]
- Corrected a CMN3101E error occurred with backorder. [7]
- Corrected a calculation of the freebee order. [7]
- CheckPaymentAcceptPMCmdImpl to support order total change. [7]
- Corrected Fulfillment Center EJB. [7]
- Corrected a OrderPrepre failure in the AdvancedB2BDirect store. [7]
- Corrected a preprocessOrder is called twice if submitting a submitted order issue. [7]
- Corrected an Order Place in accelerator has error alert if Q>I issue. [7]
- Corrected a quick add order in accelerator has error alert if Q>I issue.[7]
- Payments
  - Resolved issue where a payments instance could not be created through configuration manager [1]
  - Corrected issue where wrong WebSphere node parameter creates difficult-to-trace exception [1]
  - Corrected issue when creating Payments DB without "encoding Unicode" [1]
  - Corrected issue of Payments instance creation reported successful if wrong Oracle DB name specified [2]
  - Corrected Create Payments with Toolbox failure for remote iSeries DB with IASP [2]
  - Corrected createPaymentsVirtualHost script on iSeries [2]
  - Resolved issue where iSeries Express configuration manager fails on remote Payments [2]
  - Added pop-up error for wrong site administrator ID in WPM instance [2]
  - Corrected issue where wrong WebSphere node parameter creates difficult to trace exception [2]
  - Corrected misleading message when starting Payment instance [5]
  - Corrected issue when starting Payments on iSeries with IBMPayServer command [5]

- – Corrected an issue removing 3rd party cassettes [5]
- – Corrected a no debug trace output for updateAdminUser method issue [5]
- – Added ChangePassword script to createimage.xml [6]
- – Corrected a password required for startup cannot be cleared in ConfigManagr issue [6]
- – Corrected a logon payment server when Turkish locale used issue [6]
- – Corrected a payment cassette installation issue. [7]
- – Corrected a bad JDBC info after instance change with iSeries remote payment database. [7]
- – Corrected an exception when creating unattended start-up Payments instance. [7]
- – Corrected a changing payments user and password issue. [7]
- – Corrected a duplicate field display during payment instance creation issue. [7]
- – Corrected a chgown issue when creating payments. [7]
- – Corrected a WebSphere Payments instance failure to find remote database. [7]
- – Corrected a display issue with DBUser and DBPwd fields for local payments databases. [7]
- – Corrected a server name parameter has incorrect value for remote database issue. [7]
- – Corrected a WebSphere Payments instance creation issue. [7]
- – Corrected a path issue with iSeries Toolbox JDBC Driver[7]
- Policies
  - – Corrected a user authorization error when seller admin clicks manage org. [7]
- Portal
  - – Corrected registering a new user on portal change the portal admin userID issue [5]
- Pricing
  - – Check in item/product offer correction [1]
  - – Corrected a contract product set inclusion pricing issue [6]
  - – Created a unified friendly ErrPage for restricted preview [6]
- Promotions
  - – Corrected description in free gift promotion [1]
  - – Resolved failure to create a promotion in Original Store targeting to the Customer Segment created in the Asset Store [2]
  - – Removed unnecessary messages in SystemOut created when listing Promotions in Accelerator [4]
  - – Corrected promoted item doesn't belong to current store issue [5]
  - – Corrected currency conversion is wrong for product percent off promotion issue [5]
  - – PurchaseCondition Pattern updated to allow for better customization [5]
  - – Corrected SchedCouponCmd to use StoreRegstry to get StoreAccessBean [5]
  - – Corrected an issue where all users are implicitly included when creating promotions [6]
  - – Corrected a special chars not allowed in query in ListUserInMemberGroupCmd issue [6]
  - – Corrected an issue where recommended product can be seen by the registered user, but user not listed in the segment [6]

- Corrected a discount amount is wrong for items with multiple ranged prices issue [6]
- Corrected a deadlock when concurrent users access coupon issue. [7]
- Corrected a syntax error in PromotionCodeForm.jsp snippet. [7]
- Corrected a CampaignInitiative(createRLPromotion) error in migrating to WC 6.0[7]

- Reports
  - Corrected a categories and products is always 0 for direct model issue. [7]
  - Corrected an orders count in Marketplace Usage Report issue. [7]
  - Corrected a store activity report in toolkit. [7]
  - Corrected a store usage report in toolkit.[7]

- Returns
  - Resolved issue where a user had no authority to display return records [1]
  - Corrected issue where receiver see "%= comm.endDlistTable() %>" on return page [1]
  - Corrected issue where the user had no authority to display return records [1]
  - Resolved issue where returns could not be created in B2B hosted stores [1]
  - Corrected a RMA keeps in expired status even when it is just reprepared issue. [7]
  - Corrected an issue with confirmation page of Edit Return Notebook[7]

- Runtime
  - ECTrace performance improvements [1]
  - Resolved issue where Logon command did not respect PasswordInvalidation flag [1]
  - Corrected problems redirecting from Commerce to external system [2]
  - Resolved issue where ProductINfo gets version from wrong location [2]
  - Corrected servlet initialization failed exception in SystemOut.log [2]
  - Resolved issue where SSLAcceleratorOption and tools did not work [2]
  - Resolved issue where loop in error notification if msgtype not properly assigned [2]
  - Filtered out the explicitly excluded member groups from calls to the MemberGroupMemberAccessBean [2]
  - Corrected null pointer exceptions in ConverterKey [2]
  - Resolved issue where add new address form didn't verify user input properly[2]
  - Corrected confused Roles button in Users List Panel in OAC [2]
  - Resolved issue where OrgEntityDataBean did not sync org with LDAP on refresh [2]
  - Update to cookie handling with dynamic caching [4]
  - Resolved issuing a close on a null connection object [4]
  - Improve the logic for caching store object [5]
  - Corrected issue with simultaneous requests causing I/O exception and transaction rollback [5]
  - Corrected OrgEntityDataBean doesn't sync org with LDAP on refresh issue [5]
  - Corrected issue when viewing Users page in orgadminconsole [5]
  - Corrected org selection in User creation panel can't accept '\' issue [5]
  - Corrected find customer does not work if not using wcsadmin issue [5]

- Corrected a logon timeout loses active store of the session issue. [7]
- Corrected Business Audit Finders for Cloudscape. [7]
- Corrected a null pointer exception caused by blank checkpoint file. [7]
- Corrected an updatedb failure when database name not the same as host name with iSeries. [7]
- Corrected an ejbConvert with DB2 Express backend issue.[7]
- Search
  - Corrected an issue where find categories fails on iSeries [6]
- Security
  - KLF support added to chgwcspwd.[7]
- Shipping
  - Corrected JSP compile error [1]\
  - Corrected equals comparison in CalcCodeSaveControllerCmdImpl.validateParameters [5]
  - Updated a message used when savingshippingcode with the same name. [7]
  - Updated a ship codes error message. [7]
  - Corrected Change Pages of Accelerator test boxes limit of 4096. [7]
  - Corrected a status not updated after opening store issue.[7]
- Store Creation
  - Corrected store creation problems in hosting eSites [1]
  - Corrected can not remove the published status jobs issue[5]
  - Corrected help file linked broken when publish fails issue [5]
  - Corrected command line publish of ConsumerDirect fails issue[5]
  - Corrected category and product number is zero in StoreFrontUsage report issue[5]
- Taxation
  - Made user interface more consistent [2]
  - Corrected issue where returning an item from the catalog did not work with Taxware [2]
  - Corrected issue where taxes do not display as part of the product price[5]
  - Corrected removing a category and then recreating it resulting in a Generic Error issue[5]
- Trading
  - Real-time evaluation function in auction component [6]
  - Corrected an issue preventing selection of a credit card with new bid [6]
  - Corrected an issue where response can be submitted without substitute product and item [6]
  - Corrected an issue creating a bid for an auction [6]
  - Updated AuctionJDBCHelperBean.java SQL for Cloudscape. [7]
  - Corrected a REG_RFQ specification saved values issue.[7]
- 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 issue[5]
  - Corrected length of name for duplicate promotion issue[5]

- – Allow user to click any where in the column header to sort [5]
- – Corrected can not decheck header check box properly in the framework issue[5]
- Utilities
  - – Corrected no user/passwrd in dbclean command throwing exception issue [5]
  - – Corrected performance monitor unable to register due to duplicate name issue[5]
  - – Corrected an issue where stagingprop is not refreshing the result set before retry [6]
  - – Corrected staging triggers on member table issue between Oracle and DB2. [7]
  - – Corrected a staging triggers for participant table issue. [7]
  - – Updated staging triggers for URLREG/CMDREG for WPC changes. [7]
  - – Corrected DefaultHandler to handle the case if aRs is null.[7]
  - – Corrected a space in the directory path issue with massload. [7]
  - – Corrected a migrate failure when loading ACUserGroups54_extract.xml. [7]
  - – Corrected a massload issue with space in path. [7]
  - – Corrected help launch with Mozilla browser on SLES8. [7]
  - – Corrected a Massload issue if it can't find a DTD file[7]

[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 5.6.0.7.

[5] Indicates updates or improvements introduced in fix pack 5.6.0.5.

[6] Indicates updates or improvements introduced in fix pack 5.6.0.6.

[7] Indicates updates or improvements introduced in fix pack 5.6.0.7.

Chapter 3. Prerequisites

WebSphere Commerce prerequisites

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

1. Review the WebSphere Commerce 5.6.0.7 Master Technote #1173312

2. Update the WebSphere Application Server:

   - `AIX` `Linux` `Solaris` `Windows` 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:

   PQ93388: Encoded JSP parameter not parsed Technote #4007848

3. Complete the following steps if applicable to your configuration:

   - `400` Apply the most recent Program Temporary Fixes (PTFs). For a list of the PTFs, navigate to the following location:

   http://www.ibm.com/support/docview.wss?rs=494&uid=swg21232339

   - `Linux` If you have Red Hat Enterprise Linux AS Version 3.0, or Red Hat Enterprise Linux ES Version 3.0, you must complete the following steps:

     a. Switch to the WebSphere Commerce non-root user ID. You created this ID before installing WebSphere Commerce.

     b. Set the following environment variables in your shell:
        ```
        export LD_ASSUME_KERNEL=2.4.19
        export RPM_FORCE_NPTL=1
        ```

4. If you are using WebSphere Application Server version 5.0.2.3 you will encounter an error when launching the Configuration Manager. To avoid this error, complete one of the following steps:

   - Upgrade to WebSphere Application Server version 5.0.2.5 or higher.
   - Complete the steps outlined in the following technote:

   http://www.ibm.com/support/docview.wss?uid=swg21236118

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

1. `400` Copy the *WC_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:

   WC_installdir/installedApps/*cell_name*/WC_*instance_name*.ear/properties/version

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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. For more information on installing the fix pack on WebSphere Commerce Developer, refer to the *WebSphere Commerce Developer version 5.6.0.7 fix pack installation* guide.
> - If you are installing the fix pack to update the configuration files and database for an existing WebSphere Commerce instance, you cannot revert to previous configurations afterwards. Ensure that you back up your instance configuration files, and your database before applying this fix pack. The instance configuration files are located in the following location:
>
>   `WC_installdir`/instances/`instance_name`/xml
> - If you have applied APAR IY76505, you must back up your scripts that use this functionality and restore them after applying the fix pack.
> - If you have installed any APARs that are not listed in Chapter 2, "WebSphere Commerce updates," on page 3, contact WebSphere Commerce support to ask whether the APARs are compatible with this fix pack. After applying the fix pack, you must reinstall the APARs.
> - If you have modified your `WC_installdir`/bin/setenv.sh or `WC_installdir`/bin/setenv.bat file and wish to maintain your changes, you must backup the file. This file is replaced by the fix pack installation. After you have installed the fix pack, you must manually reapply your changes to the new `setenv` script.
>
>   **Note:** Do not overwrite the `setenv` script with your backup file.
> - You must complete all steps that apply to your configuration to avoid problems such as performance or loader issues.

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, you have 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. Apply the fix pack to the Payments node, the Configuration Manager client node, and the WebSphere Commerce Server node. Do not apply the fix pack to the Web server node or the database node."

If you are working in a clustered environment, you must apply the fix pack 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 statements are true:
- The WebSphere Commerce instance's database is remote.
- The WebSphere Commerce instance's database is managed on another cluster member (node).

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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. After the WebSphere Application Server Network Deployment node is updated the update is distributed to all other nodes automatically.

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

1. Complete the instructions in the Chapter 3, "Prerequisites" chapter.
2. Complete the Preparing your system for installation section.
3. Complete the steps in the appropriate section:
   - For a silent installation, complete the "Silent installation" on page 22 section.
   - For a graphical installation, complete the "GUI installation" on page 29 section.
4. Complete the Post installation steps section.
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 installation, complete the following sections:
  1. Complete the Updating WebSphere Commerce section.
  2. Replace the *WC_installdir*/instances directory on your target machine, with the *WC_installdir*/instances directory from your *reference node*.
  3. Use the file synchronization capabilities of WebSphere Application Server Network Deployment to update the WebSphere Commerce applications on the appropriate nodes. 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 installation, complete the following sections:
  1. Complete the Updating WebSphere Commerce section.
  2. Use the file synchronization capabilities of WebSphere Application Server Network Deployment to update the WebSphere Commerce applications on the appropriate nodes. 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

users 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 installation method or the GUI installation method. This action is in addition to downloading and applying the OS/400 and i5/OS fix pack on the iSeries or System i5 system where WebSphere Commerce is installed.

Installing new components

If you install a new component from the base (5.6.0.0) CDs, you must reapply the fix pack to that component to bring it to the 5.6.0.7 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

If you export an instance after applying the fix pack, you export it at the level at which you created the instance.

For example, if the instance is created at the 5.6.0.0 level then the fix pack is applied, the exported EAR file will be at the 5.6.0.0 level. In this case the fix pack must be applied to the exported EAR file to raise it to the appropriate fix pack level.

If the instance is created after the fix pack is applied, the exported EAR file will be at the 5.6.0.7 level.

Preparing your system for installation

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 5.6.0.7 fix pack Web site and save it to the *fp_installdir*:

   WebSphere Commerce 5.6.0.7 Fix Pack Technote #4014037

   The download is denoted by *WC_5607_file_name* in the remaining sections of this guide.

   400 **i5/OS** Before moving on to the next step, open a QSH session
3. Navigate to the *fp_installdir* and extract the files in the *WC_5607_file_name* archive. For example, run the following command:

   AIX **Linux** **Solaris**

   ```
   WAS_installdir/java/bin/jar -xvf WC_5607_file_name
   ```

   400 **i5/OS**

   ```
   WAS_installdir/java/bin/jar -xvf WC_5607_file_name
   ```

   Windows

   ```
   WAS_installdir\java\bin\jar -xvf WC_5607_file_name
   ```

   For example, if your temporary directory is named /5607 and the JAR file you have downloaded is named WC_5607_AIX_BE.jar, run the following commands:
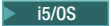
   ```
   cd /5607
   /usr/WebSphere/AppServer/java/bin/jar -xvf WC_5607_AIX_BE.jar
   ```

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

```
chmod -R 775 fp_installdir
```

For example,

```
chmod -R 775 /5607
```

5. Stop the following:
   - WebSphere Commerce Application Servers. For example, WC_*instance_name*.
   - WebSphere Commerce Configuration Manager server.
   - Your 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*

6. `AIX` `Linux` `Solaris` Ensure that you are logged in as the root user.

   `400` `i5/OS` 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.

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. `AIX` `Linux` `Solaris` Before continuing for the installation, run the following script:

```
. WAS_installdir/bin/setupCmdLine.sh
```

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

`400` `i5/OS` Only the silent installation is available.

`AIX` `Linux` `Solaris` `Windows` Either the silent installation or the GUI installation may be used.

Silent installation

Note: Complete all sections in the order that they appear.

Applying the fix pack to WebSphere Commerce

Updating WebSphere Commerce

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

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

   `400` `i5/OS` Open a QSH session. Navigate to the *fp_installdir* directory.

3. Run the following script:

   `AIX` `400` `i5/OS` `Linux` `Solaris`

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

> Windows

```
updateSilent.bat fixpack install WC_installdir fixpackID
fp_installdir
```

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

- *WC_installdir*: Is defined in the Path variables section on page vii.
- *fixpackID*: The name of the fix pack to be installed. For example:

Table 1.

Edition	Platform	fixpackID
Business	AIX	wc56BE_fp7_aix
	Linux xSeries	wc56BE_fp7_linux
	400 i5/OS	wc56BE_fp7_os400
	Linux pSeries iSeries	wc56BE_fp7_plinux
	Solaris	wc56BE_fp7_sun
	Windows	wc56BE_fp7_win
	Linux zSeries	wc56BE_fp7_zlinux
Professional	AIX	wc56PRO_fp7_aix
	Linux xSeries	wc56PRO_fp7_linux
	400 i5/OS	wc56PRO_fp7_os400
	Solaris	wc56PRO_fp7_sun
	Windows	wc56PRO_fp7_win

Table 1. (continued)

Edition	Platform	fixpackID
Express	Linux xSeries	wc56EXPRESS_fp7_linux
	400 i5/OS	wc56EXPRESS_fp7_os400
	Windows	wc56EXPRESS_fp7_win

- *fp_installdir*: The temporary directory where the fix pack was downloaded.
4. Ensure that the installer displays the message `Fix pack installation completed successfully`. If you do not get this message the installer will indicate which log files to check.

Note: If you do not have existing WebSphere Commerce instances or Payments instances, then the fix pack installation is complete; move on to "Post installation steps" on page 32 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. This section will update all existing WebSphere Commerce instance XML files. Complete this section only if you have a WebSphere Commerce instance on your machine. If you do not have a WebSphere Commerce instance on your machine, you do not need to complete this section. It is not required if you only have WebSphere Commerce Payments instances.

1. ▶ AIX ▶ Linux ▶ Solaris Switch to the WebSphere Commerce non-root user ID. You created this ID before you installed WebSphere Commerce.
2. Navigate to the *WC_installdir*/bin directory.
3. Run the following script:

▶ AIX ▶ 400 ▶ i5/OS ▶ 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 [-DinstName=instanceName]
```

Note: The [-DinstName=*instanceName*] parameter is optional. You can use the parameter to specify a single instance in the case that multiple instances are configured and you do not want to update all instances. If you do not specify the parameter, 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.

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, stop the server on all nodes before continuing.

> **Important**
>
> You must complete the updatedb step before applying the fix pack to the corresponding WebSphere Commerce instance EAR file. Perform these steps on a WebSphere Commerce node that contains the configuration information for the WebSphere Commerce instance.

1. Start your database management system.
2. ▶ AIX ▶ Linux ▶ Solaris Switch to the root user.
3. Navigate to the *WC_installdir*/bin directory.
4. ▶ AIX ▶ Linux ▶ Solaris Run the following script:

   `./wcnonroot.sh`

5. ▶ 400 ▶ i5/OS Complete the following:

   a. Open a QSH session. Ensure you have QSECOFR authority.

   b. Navigate to the *WC_installdir*/bin directory.

   c. Run the following script:

      `iSeriesFileAuth.sh`

6. ▶ AIX ▶ Linux ▶ Solaris Switch to the WebSphere Commerce non-root user ID. You created this ID before you installed WebSphere Commerce.

7. Run the following script:

   ▶ AIX ▶ 400 ▶ i5/OS ▶ Linux ▶ Solaris

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

   ▶ Windows

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

   Where:

   dbname
   > The name of the database to be updated.
   >
   > ▶ 400 ▶ i5/OS The database name as found in the relational database directory.

   userId The user ID of the user who owns the database.
   > ▶ 400 ▶ i5/OS The owner of the WebSphere Commerce instance.

   password
   > The password of the user who owns the database.
   >
   > ▶ 400 ▶ i5/OS 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, and is one of 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
> The path of the ear of the previously created WebSphere Commerce instance.

migFrom
> The level of the instance you migrated from. Specify this parameter if you are updating a previously migrated WebSphere Commerce instance. For example, if you have migrated a WebSphere Commerce instance from version 5.5 to version 5.6, specify a value of 5.6.0.0. Do not specify the parameter if the WebSphere Commerce instance was created at any level of WebSphere Commerce version 5.6. F

For example:

> ▶ AIX   ▶ Linux   ▶ Solaris

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

> ▶ 400   ▶ i5/OS

```
./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   The updatedb script generates a different set of log files depending on the WebSphere Commerce 5.6 fix pack level you are upgrading from. Depending on the operations required to update your database, WebSphere Commerce creates logs with naming convention similar to schemacreation_fpX_dbtype_time_stamp.log. These files are located in the WC_installdir/logs directory. You may check those logs for results of the detailed database update actions. Check updatedb.log located in the WC_installdir/logs directory for an overview of the results.

The following log files are created:
- schemacreation_fp1_dbtype_time_stamp.log
- schemacreation_fp2_dbtype_time_stamp.log
- schemacreation_fp3_dbtype_time_stamp.log
- schemacreation_fp4_dbtype_time_stamp.log
- schemacreation_fp5_dbtype_time_stamp.log

The following log files are not created:
- schemacreation_fp6_dbtype_time_stamp.log
- schemacreation_fp7_dbtype_time_stamp.log

The session where you ran the `updatedb.sh` script indicates a directory to check for the log files. The logs files are not 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` script, 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, 6.

Updating existing WebSphere Commerce and Payments instances

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

1. AIX   Linux   Solaris   Ensure that you are logged in as the `root` user.

2. 400   i5/OS   Ensure that you are logged in as a user that has QSECOFR authority.

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

    400   i5/OS   Open a QSH session. Ensure that you have QSECOFR authority. Navigate to the *fp_installdir* directory.

4. Run the following script:

    AIX   400   i5/OS   Linux   Solaris

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

    Windows

    ```
    updateSilent.bat fixpack install [ Instance_dir ] fixpackID
    fp_installdir
    ```
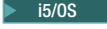
    Where:

    Instance_dir
    > The path of your WebSphere Commerce or WebSphere Commerce Payments instance. The default directory is defined in the Path variables section.

    fixpackID
    > The name of the fix pack to be installed. For example:

Table 2.

Edition	Platform	fixpackID
Business	AIX	wc56BE_fp7_aix
	Linux xSeries	wc56BE_fp7_linux
	400 i5/OS	wc56BE_fp7_os400
	Linux pSeries iSeries	wc56BE_fp7_plinux
	Solaris	wc56BE_fp7_sun
	Windows	wc56BE_fp7_win
	Linux zSeries	wc56BE_fp7_zlinux
Professional	AIX	wc56PRO_fp7_aix
	Linux xSeries	wc56PRO_fp7_linux
	400 i5/OS	wc56PRO_fp7_os400
	Solaris	wc56PRO_fp7_sun
	Windows	wc56PRO_fp7_win
Express	Linux xSeries	wc56EXPRESS_fp7_linux
	400 i5/OS	wc56EXPRESS_fp7_os400
	Windows	wc56EXPRESS_fp7_win

fp_installdir
> The temporary directory where you extracted the fix pack.

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

6. The fix pack installation is complete; move on to "Post installation steps" on page 32 and complete any applicable steps.

GUI installation

Applying the fix pack to WebSphere Commerce

Updating WebSphere Commerce

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

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

3. Run the following script:

   ▶ AIX ▶ Linux ▶ Solaris ./updateWizard.sh

   ▶ Windows updateWizard.bat

4. Select a language and then click **OK**.

5. On the Welcome panel, review the information and click **Next** to continue.

6. Click **Next** to accept the WebSphere Commerce product found on your computer.

7. Select **Install fix packs**. Click **Next**.

8. Under **Fix Pack Directory**, type the name of the directory where you extracted the fix pack.

   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. Click **Finish.**

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 32 and complete any applicable steps. If you have existing WebSphere Commerce instances or Payments instances, move on to the next section.
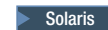
Applying the fix pack to existing WebSphere Commerce and Payments instances

Update the WebSphere Commerce instance database and configuration

This section will update the WebSphere Commerce instance database and configuration files to fix pack 5.6.0.7 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.

> **Important**
>
> You must complete the updatedb step before applying the fix pack to the corresponding WebSphere Commerce instance EAR file. Perform these steps on a WebSphere Commerce node that contains the configuration information for the WebSphere Commerce instance.

1. Ensure that your database management system is started.
2. ▶ **AIX** ▶ **Linux** ▶ **Solaris** Switch to the root user ID.
3. Navigate to the *WC_installdir*/bin directory.
4. Restore the appropriate file permissions:

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

   a. Navigate to the *WC_installdir*/bin directory.
   b. Run the following script:

      ```
      ./wcnonroot.sh
      ```

   ▶ **400** ▶ **i5/OS**

   a. Open a QSH session. Ensure you have QSECOFR authority.
   b. Navigate to the *WC_installdir*/bin directory.
   c. Run the following script:

      ```
      iSeriesFileAuth.sh
      ```

5. ▶ **AIX** ▶ **Linux** ▶ **Solaris** Switch to the WebSphere Commerce non-root user ID. You created this ID before you installed WebSphere Commerce.
6. Run the following script:

   ▶ **AIX** ▶ **Solaris** ▶ **Linux** `./updatedbGUI.sh`

   ▶ **Windows** `updatedbGUI.bat`

7. After the GUI appears, select the WebSphere Commerce instance that you want to upgrade.
8. Select **Staging** if the database is a staging database.
9. Select the instance locale.
10. Enter the instance ear path or the *Instance_dir*.

    For example,

    ▶ **Windows** C:\WebSphere\AppServer\installedApps*myCellName*\\WC_demo.ear

11. 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 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.

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

▶ **AIX** ▶ **Linux** ▶ **Solaris** ▶ **Windows** The updatedb script generates a different set of log files depending on the WebSphere Commerce 5.6 fix pack level you are upgrading from. Depending on the operations required to update your database, WebSphere Commerce creates logs with naming convention similar to `schemacreation_fp7_dbtype_time_stamp.log`. These files are located in the

WC_installdir/logs directory. You may check those logs for results of the detailed database update actions. Check updatedb.log located in the *WC_installdir*/logs directory for an overview of the results.

The following log files are created:
- schemacreation_fp1_*dbtype_time_stamp*.log
- schemacreation_fp2_*dbtype_time_stamp*.log
- schemacreation_fp3_*dbtype_time_stamp*.log
- schemacreation_fp4_*dbtype_time_stamp*.log
- schemacreation_fp5_*dbtype_time_stamp*.log

The following log files are not created:
- schemacreation_fp6_*dbtype_time_stamp*.log
- schemacreation_fp7_*dbtype_time_stamp*.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 you have configured on your system.

1. `AIX` `Linux` `Solaris` 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 scripts based on your operating system:

    `AIX` `Linux` `Solaris` ./updateWizard.sh

    `Windows` 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. Select the folder that contains the WebSphere Commerce EAR file.
    b. Click **Open**.
    c. Click **Next** to continue.

    If you are applying the fix pack to a WebSphere Commerce Payments instance:
    a. Select the folder that contains the WebSphere Commerce Payments EAR file.
    b. Click **Open**.
    c. Click **Next** to continue.
7. Select **Install fix packs**. Click **Next**.
8. Under **Fix Pack Directory**, type the name of the directory where you extracted the fix pack

    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

Advisory

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 7 is installed.

Anytime you create a new WebSphere Commerce instance at 5607 level, ensure that you complete the steps described in the "Updating Channel Manager access control policies."

Restore file permissions

> AIX Linux Solaris 400 i5/OS

This section will update file ownership and permissions on UNIX® and i5/OS systems.

- > AIX Linux Solaris

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

     ./wcnonroot.sh

- > 400 i5/OS

  1. Open a QSH session. Ensure you have QSECOFR authority.
  2. Navigate to the *WC_installdir*/bin directory.
  3. Run the following script:

     iSeriesFileAuth.sh

Updating Channel Manager access control policies

> Business

Note: You must update the access control policies if you have any existing WebSphere Commerce instance or every time you create a new WebSphere Commerce instance. However, if you performed these steps while applying a previous fix pack (WebSphere Commerce fix pack 3 or higher), then you do not need to update the access control policies on the existing instances again. This step is not required on systems with only WebSphere Commerce Payments.

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

1. Scripts are provided to update the Channel Manager access control policies. Before running the scripts, check that your database does not have any customization, which might be overwritten. Run the following SQL commands and compare the output. If the commands are too long for your environment, add them to .sql script files

   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 ('ChannelManagersExecuteStoreCategoryUpdateCommandsOnStore DataResourceGroup') 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 'StoreCategoryUpdateCommands'
   - GRPNAME is 'StoreEntityDataResourceGroup'

   If all of the SQL results are as shown, continue with step 2, otherwise 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. ▶ **AIX** ▶ **Linux** ▶ **Solaris** Switch to the WebSphere Commerce non-root user ID. You created this ID before you installed WebSphere Commerce.

   c. ▶ **400** ▶ **i5/OS** Ensure that you are logged in as a user that has QSECOFR authority.

   d. Run the following script:

      ▶ **AIX** ▶ **400** ▶ **i5/OS** ▶ **Linux** ▶ **Solaris** *WC_installdir*/bin/ acpload.sh *dbname userID password* d88838ChMgrAccessControlPolicies.xml [*schema_name*]

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

Where:

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.

  e. Ensure that the script was successfully completed:
   - 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.
  f. Restart the WebSphere Commerce Server for changes to come into effect.

Running the fixDeploy tool

To update Enterprise Java Beans, repeat these steps for each WebSphere Commerce instance:

1. Create a temporary directory with 100MB of free space. This directory is denoted by the variable *temp_dir* for the remainder of this section.
2. Open a command prompt window.
3. ▶ **AIX** ▶ **Linux** ▶ **Solaris** Switch to the WebSphere Commerce non-root user ID. You created this ID before you installed WebSphere Commerce.
4. Switch to the *WC_installdir*/bin directory.
5. Run the following script:
   - ▶ **AIX** ▶ **Linux** ▶ **Solaris** ./fixDeploy.sh *temp_dir WAS_dir instance_name*

     For example,

     `./fixDeploy.sh /tmp/workspace /usr/WebSphere/AppServer demo`
   - ▶ **400** ▶ **i5/OS** ./fixDeploy.sh *temp_dir WAS_dir instance_name*

     For example,

     `./fixDeploy.sh /QIBM/tmp/workspace /QIBM/UserData/WebAS5/Base/default demo`
   - ▶ **Windows** fixDeploy.bat *temp_dir WAS_dir instance_name*

     For example,

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

   Where

   temp_dir
   > The temporary directory created in the first step.

   ▶ **AIX** ▶ **Linux** ▶ **Solaris** *WAS_dir*
   > The WebSphere Application Server installation directory.

> **400** ► **i5/OS** *WAS_dir*
> The directory for all the data that is used by WebSphere Application Server which can be modified or needs to be configured by a user.

instance_name
> The WebSphere Commerce instance name.

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, 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 JSP files for WebSphere Commerce Accelerator:

- `CommerceAccelerator.war/tools/catalog/ItemUpdateDetail.jsp`
- `CommerceAccelerator.war/tools/catalog/ProductUpdateDetail.jsp`

To recompile the JSP files, do the following:

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

   ► **400** ► **i5/OS** 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. ► **AIX** ► **Solaris** ► **Linux** Log in as the WebSphere Commerce non-root user.

4. Run the following script:

   ► **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*

   ► **400** ► **i5/OS** 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 scripts 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.
- 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 script:

```
./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 script:

```
./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 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
```

Refer to the *IBM WebSphere Commerce Version 5.6 Installation Guide* for instructions on creating, starting, or stopping a WebSphere Commerce instance.

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

> 400   > i5/OS

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 scripts `stagingcopy.sh`, `stagingprop.sh` and `stagingcheck.sh` have been expanded to support the toolbox JDBC provider. These parameters are sourcedb, destdb and dbtype. See the WebSphere Commerce Information Center for the new values for the parameters:

- `stagingcopy.sh`:

  http://publib.boulder.ibm.com/infocenter/wchelp/v5r6/index.jsp?
  topic=/com.ibm.commerce.admin.doc/refs/rsscopy.htm

- `stagingprop.sh`:

  http://publib.boulder.ibm.com/infocenter/wchelp/v5r6/index.jsp?topic=
  /com.ibm.commerce.admin.doc/refs/rssstageprop.htm

- `stagingcheck.sh`:

  http://publib.boulder.ibm.com/infocenter/wchelp/v5r6/index.jsp?
  topic=/com.ibm.commerce.admin.doc/refs/rsscheck.htm

Precompiling JSP files

`400` `i5/OS`

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

http://publib.boulder.ibm.com/infocenter/wchelp/v5r6/index.jsp?
topic=/com.ibm.commerce.admin.doc/tasks/tstcpjsp.htm

Updating the WebSphere Commerce Help files

This fix pack updates your WebSphere Commerce help files. To enable this update,
you must restart the information center. Refer to:

http://publib.boulder.ibm.com/infocenter/wc56help/index.jsp?
topic=/com.ibm.commerce.admin.doc/tasks/tsrwcic.htm

Upgrading Taxware Sales and Use Tax Solution to 3.5.2 or higher

If you use Taxware you must update it after you have installed this fix pack. For
information on updating Taxware refer to the following URL:

http://www.ibm.com/support/docview.wss?uid=swg21239266

Chapter 5. Uninstalling the fix pack

Before you uninstall

Uninstalling the fix pack restores the product to the level it was at before the installation of the fix pack. These instructions also remove the fix pack code from those WebSphere Commerce or WebSphere Commerce Payments instances that were updated at the same time the fix pack was applied to your system.

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.

1. > AIX > Linux > Solaris Ensure that you are logged in as the root user.

   > 400 > i5/OS 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.

2. Ensure that the following servers and processes are stopped:
   - 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.

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

- > AIX > 400 > i5/OS > Linux > Solaris > Windows "Silent uninstallation"
- > AIX > Linux > Solaris > Windows "GUI uninstallation" on page 42

Silent uninstallation

Complete the sections that apply to your configuration:
- If you have a WebSphere Commerce or WebSphere Commerce Payments instance created, refer to "Removing the fix pack from existing WebSphere Commerce and Payments instances."
- If you do not have a WebSphere Commerce or WebSphere Commerce Payments instance created, or have already removed the fix pack from your instance, refer to "Removing the fix pack from WebSphere Commerce" on page 41.

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.

Note: You must remove the fix pack from your instance before removing it from the WebSphere Commerce installation directory.

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

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>400 >i5/OS Open a QSH session. Navigate to the *fp_installdir* directory.

2. Complete the following steps:
   - If you are removing the fix pack from a WebSphere Commerce instance, complete the following steps:
     a. Run the following script replacing options specific to your WebSphere Commerce instance.

        >AIX >Linux >Solaris `./updateSilent.sh fixpack uninstall [` *Instance_dir* `]` *fixpackID*

        >400 >i5/OS `./updateSilent.sh fixpack uninstall` *Instance_dir* *fixpackID*

        >Windows `updateSilent.bat fixpack uninstall [` *Instance_dir* `]` *fixpackID*

        Where:

        Instance_dir
        　　　The default directory is defined in the Path variables section.

        fixpackID
        　　　The name of the fix pack to be uninstalled. For example, wc56BE_fp7_aix.

        For example:

        >400 >i5/OS `./updateSilent.sh fixpack uninstall` `/QIBM/UserData/WebAS5/Base/WAS_myserver/installedApps/`*cell_name*`/` `WC_demo.ear wc56BE_fp7_win`

        >Windows `updateSilent.bat fixpack uninstall C:\WebSphere\` `AppServer\installedApps\`*cell_name*`\WC_demo.earr wc56BE_fp7_win`

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

        >AIX `./updateSilent.sh fixpack uninstall /usr/WebSphere/` `AppServer/installedApps/`*cell_name*`/WC_demo.ear wc56BE_fp7_aix`

        >Linux >Solaris `./updateSilent.sh fixpack uninstall` `/opt/WebSphere/AppServer/installedApps/`*cell_name*`/WC_demo.ear` `wc56BE_fp7_aix`

     b. Ensure that the installer displays the following message:
        `Fix pack uninstallation completed.`

        The installer also displays the location of the log file created during uninstallation.

     c. Open a command prompt.

     d. >AIX >Linux >Solaris Switch to the WebSphere Commerce non-root user ID. This ID was created before installing WebSphere Commerce.

     e. Navigate to the *WC_installdir*/bin directory.

     f. Run the following script: >AIX >Linux >Solaris
        `unfixDeploy.sh` *WAS_installdir* *instance_name*

        >Windows

        `unfixDeploy.bat` *WAS_installdir* *instance_name*

        Where:

WAS_installdir
> This is the directory where you have installed the WebSphere Application Server.

instance_name
> This is the your WebSphere Commerce instance name.

  g. Refer to the following log for more information:

    `WC_installdir/logs/unfixDeploy.log`

- If you are removing the fix pack from a WebSphere Commerce Payments instance, complete the following steps:

  a. Run the following script replacing options specific to your WebSphere Commerce Payments instance.

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

    ▶ 400 ▶ i5/OS `./updateSilent.sh fixpack uninstall Instance_dir fixpackID`

    ▶ Windows `updateSilent.bat fixpack uninstall [ Instance_dir ] fixpackID`

    Where:

    Instance_dir
> The default directory is defined in the Path variables section.

    fixpackID
> The name of the fix pack to be uninstalled. For example, wc56BE_fp7_aix

    For example:

    ▶ 400 ▶ i5/OS `./updateSilent.sh fixpack uninstall /QIBM/UserData/WebAS5/Base/WAS_myserver/installedApps/cell_name/ pay_instance_name_Commerce_Payments_App.ear wc56BE_fp7_win`

    ▶ Windows `updateSilent.bat fixpack uninstall C:\WebSphere\ AppServer\installedApps\cell_name\ pay_instance_name_Commerce_Payments_App.ear wc56BE_fp7_win`

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

    ▶ AIX `./updateSilent.sh fixpack uninstall /usr/WebSphere/ AppServer/installedApps/cell_name/ pay_instance_name_Commerce_Payments_App.ear wc56BE_fp7_aix`

    ▶ Linux ▶ Solaris `./updateSilent.sh fixpack uninstall /opt/WebSphere/AppServer/installedApps/cell_name/ pay_instance_name_Commerce_Payments_App.ear wc56BE_fp7_aix`

  b. Ensure that the installer displays the following message:

    `Fix pack uninstallation completed.`

    The installer also displays the location of the log file created during uninstallation.

Removing the fix pack from WebSphere Commerce

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

    ▶ 400 ▶ i5/OS Open a QSH session. Navigate to the *fp_installdir* directory.

2. Run the following script.

`AIX` `400` `i5/OS` `Linux` `Solaris` `./updateSilent.sh fixpack uninstall WC_installdir fixpackID`

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

Where:

WC_installdir
> The default directory is defined in the Path variables section.

fixpackID
> The name of the fix pack to be uninstalled. For example, wc56BE_fp7_aix

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

`400` `i5/OS` `./updateSilent.sh fixpack uninstall /QIBM/ProdData/CommerceServer56 wc56BE_fp7_os400`

`Windows` `i5/OS` `updateSilent.bat fixpack uninstall C:\WebSphere\ CommerceServer56 wc56EXPRESS_fp7_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_fp7_operating_system_uninstall.log
  ```

- `400` `i5/OS`

  ```
  WUPD0037I: Fix pack uninstallation completed, please check /WAS_userdir/
  installedApps/cell_name/WC_instance.ear/logs/
  update/timestamp_wc56edition_fp7_os400_uninstall.log for any errors.
  ```

The installer also displays the location of the log file created during uninstallation. The uninstallation of the fix pack is complete.

GUI uninstallation

Complete the sections that apply to your configuration:

- If you have a WebSphere Commerce or WebSphere Commerce Payments instance created, refer to "Removing the fix pack from existing WebSphere Commerce and Payments instances."
- If you do not have a WebSphere Commerce or WebSphere Commerce Payments instance created, or have already removed the fix pack from your instance, refer to "Removing the fix pack from WebSphere Commerce" on page 44.

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, that you have configured on your system

Note: You must remove the fix pack from your instance before removing it from the WebSphere Commerce installation directory.

Removing the fix pack from existing WebSphere Commerce instance

1. Using the command line, navigate to the *fp_installdir* directory and run the following scripts:

AIX **Linux** **Solaris** `./updateWizard.sh`

Windows `updateWizard.bat`

2. Select a language and then click **OK**.

3. Click **Next** to continue.

4. Select **Specify product information**, then click **Browse**.

5. Navigate to the *WAS_installdir*/installedApps/*cell_name* directory and complete the following steps:

   a. Select the folder that contains the EAR file.

   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 on page 42.

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.

11. Open a command prompt.

12. **AIX** **Linux** **Solaris** Switch to the WebSphere Commerce non-root user ID. This ID was created before installing WebSphere Commerce.

13. Navigate to the `WC_installdir`/bin directory.

14. Run the following script: **AIX** **Linux** **Solaris**

    `unfixDeploy.sh WAS_installdir instance_name`

    Windows

    `unfixDeploy.bat WAS_installdir instance_name`

    Where:

    WAS_installdir
    > This is the directory where you have installed the WebSphere Application Server.

    instance_name
    > This is the your WebSphere Commerce instance name.

15. Refer to the following log for more information:

    `WC_installdir/logs/unfixDeploy.log`

Removing the fix pack from existing WebSphere Commerce Payments instance

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

   AIX **Linux** **Solaris** `./updateWizard.sh`

   Windows `updateWizard.bat`

2. Select a language and then click **OK**.

3. Click **Next** to continue.

4. Select **Specify product information**, then click **Browse**.

5. Navigate to the *WAS_installdir*/installedApps/*cell_name* directory and complete the following steps:

   a. Select the folder that contains the EAR file.

   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 on page 43.

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.

Removing the fix pack from WebSphere Commerce

1. Using the command line, navigate to the *fp_installdir* directory and run the following scripts:

   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.

9. Click **Finish** to exit.

Chapter 6. Troubleshooting

Exceptions occur when using massload with an Oracle database

When running massload commands with an Oracle 9.2.0.1 database, you may experience errors similar to the following example:

```
Io exception: SO Exception was generated
Exception in thread "main" java.sql.SQLException: Io exception: SO Exception
was generated
        at oracle.jdbc.dbaccess.DBError.throwSqlException(DBError.java:134)
        at oracle.jdbc.dbaccess.DBError.throwSqlException(DBError.java:179)
        at oracle.jdbc.dbaccess.DBError.throwSqlException(DBError.java:333)
        at oracle.jdbc.driver.OracleConnection.<init>(OracleConnection.java:404)
        at oracle.jdbc.driver.OracleDriver.getConnectionInstance(OracleDriver
.java:468)
        at oracle.jdbc.driver.OracleDriver.connect(OracleDriver.java:314)
        at java.sql.DriverManager.getConnection(DriverManager.java:512)
        at java.sql.DriverManager.getConnection(DriverManager.java:171)
        at com.ibm.wca.dbconnect.DbConnectionImpl.connect(Unknown Source)
        at com.ibm.wca.MassLoader.MassLoad.loadDbConnection(Unknown Source)
        at com.ibm.wca.MassLoader.MassLoad.<init>(Unknown Source)
        at com.ibm.wca.MassLoader.MassLoad.main(Unknown Source)
```

There is a known problem with Oracle 9.2.0.1. If you experience these errors, obtain the appropriate Oracle maintenance through Oracle support.

Compiler synchronization needed when using largebranch

If you experience a javac.err.branch.too.big JavaServer Pages compilation problem complete the following section:

1. ▶ AIX ▶ Linux ▶ Solaris ▶ Windows Download and apply the following interim fix:

    http://www.ibm.com/support/docview.wss?uid=swg1PQ86604

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

2. After the code fix for APAR PQ86604 is applied, complete the following steps to enable the largebranch option:

    a. Start the WebSphere Application Server server1.

    b. Launch the WebSphere Application Server administration console.

    c. Enter your user ID.

    d. Expand **Servers** and select **Application Servers**.

    e. Select **WC_*instance_name***.

    f. Under **Additional Properties** select **Process Definition**.

    g. Select **Java Virtual Machine**.

    h. Select **Custom Properties**.

    i. Click **New**.

    j. Under **General Properties**, in the **Name** field enter:

        com.sun.tools.javac.main.largebranch

    k. Enter true in the **Value** field.

l. Click **OK**.

m. Click **Save**.

n. When asked to save to master configuration, click **Save** again.

o. Log out 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*.

Solution to ″Internal Server Error″ with CacheMonitor

► AIX ► Linux ► Solaris ► Windows 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

► AIX ► Linux ► Solaris ► Windows 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

Error running acpload.cmd - The input line is too long

► Windows

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 prompt, you can reset the CLASSPATH variable with the set command.

For example:

```
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 "Post installation steps" on page 32.

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

• JAVAC MESSAGE FILE IS BROKEN: key=javac.err.branch.too.big, arguments=null, null, null	Download the WebSphere Application Server interim fix PQ86604. For details on how to install the interim fix, refer to Chapter 3, "Prerequisites," on page 17 of this installation guide.
• Illegal target of jump or branchjavax.servlet.ServletException	Workaround 1. Clear the cached/compiled JSP classes out of /*WAS_installdir*/temp/ %node%/*instance_name*/*instance_name*/ Stores.war. 2. Navigate to *WAS_installdir*/bin. 3. Precompile the JSP files: http://publib.boulder.ibm.com/infocenter/ wchelp/v5r6/index.jsp?topic=/com.ibm. commerce.admin.doc/tasks/tstcpjsp.htm

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

> 400   > i5/OS

During WebSphere Commerce Payments instance creation, the QIBM_HTTP_SERVER_pay_instance entry might not be created within Digital Certificate Manager. This problem is seen only when SSL is configured for the WebSphere Commerce Payments instance. To correct the problem, review this section.

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

  1. Ensure that the QBATCH subsystem is running. Use the following command:
     WRKACTJOB

  2. 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:

  1. Run the following command:
     DSPUSRPRF <F4>

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

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

   ```
   CHGJOBD <F4>
   ```
5. Enter the values recorded in 3.
6. Press the `F9` and `F10` keys to display additional parameters.
7. Change the `HOLD` field to `*NO`.
8. Ensure that the user profile that starts the Configuration Manager logs off and then logs back onto the system.
9. If needed, restart the Configuration Manager server and create a new WebSphere Commerce Payments instance.

Troubleshooting for Linux

StackOverflowError when publishing a store on Linux

If you are using WebSphere Application Server version 5.1.1 on Linux for iSeries or Linux for pSeries and receive a StackOverflowError when publishing a store, complete the following steps:

1. Open the WebSphere Application Server Administration Console:

   ```
   http://hostname:9090/admin
   ```
2. Expand **Servers** > **Application Servers** > *server_name* > **process definition** > **Java Virtual Machine** > **Generic JVM arguments**.
3. Add `-Xss5m` at the end of **Generic JVM arguments** field.

Problem installing the WebSphere Commerce fix pack 7 on WebSphere Commerce fix pack 2

If you are using WebSphere Commerce 5.6.0.2, with a WebSphere Application Server version greater that 5.1.1 on zLinux using SUSE Enterprise Linux Version 9, complete the following steps:

1. Back up your configuration.
2. Open the *WC_installdir*/bin/updatedb.sh file in a text editor.
3. Search for the following lines:

   ```
   if [ "$PLATFORM" = "ws" ]; then
   ${JAVA_HOME?}/bin/java -Dcom.ibm.wca.logging.configFile=
   $WCALOGGERCONFIGFILE
   -Dcom.ibm.wcm.ErrorReporterDir=$WCLOGDIR -classpath
   ```

   Edit the section to add `-Xss5m` to the command. For example:

   ```
   if [ "$PLATFORM" = "ws" ]; then
   ${JAVA_HOME?}/bin/java -Xss5m -Dcom.ibm.wca.logging.configFile=
   $WCALOGGERCONFIGFILE
   -Dcom.ibm.wcm.ErrorReporterDir=$WCLOGDIR -classpath
   ```

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

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*.

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