



**Update Guide**

**Note:**

Before using this information and the product it supports, be sure to read the general information under “Notices” on page 15.

**First Edition (September 2005)**

This edition applies to Version 5.6 of the following editions of WebSphere Commerce Developer and to all subsequent releases and modifications until otherwise indicated in new editions:

- IBM WebSphere Commerce Developer Business Edition (product number 5724-i39)
- IBM WebSphere Commerce Developer Professional Edition (product number 5724-i41)
- IBM WebSphere Commerce - Express Developer Edition (product number 5724-i37)

Ensure that you are using the correct edition for the level of the product.

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<http://www.ibm.com/software/webservers/commerce/rcf.html>

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## Preface

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### About this book

This document describes the steps required to apply the IBM® WebSphere® Commerce 5.6.0.5 update to the following products:

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


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### Conventions used in this book

This book uses the following highlighting conventions:

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

 **Business** Indicates information specific to WebSphere Commerce Business Edition.

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

 **Express** Indicates information specific to WebSphere Commerce — Express Edition.

 **DB2** Indicates information specific to DB2 Universal Database™.

 **Oracle** Indicates information specific to Oracle 9i Database.

 **Cloudscape** Indicates information specific to IBM Cloudscape™ database.

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### Terminology used in this book

*update\_name*

The name of the update chosen by the user.

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### Path variables

*WCDE\_installdir*

This is the installation directory for WebSphere Commerce Developer Edition and WebSphere Commerce — Express Developer Edition. The default installation directories are:

 **Business** C:\WCToolkitBE56

 **Professional** C:\WCToolkitPro56

*WSAD\_installdir*

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

## Where to find more information

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

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

## New and changed

### WebSphere Commerce Updates

WebSphere Commerce fix packs include all fixes included in the previous fix pack. This fix pack contains the additional new interim fixes (APARs) below:

Interim fix #	Description
IC46875	Correct synchronization problem in JointRelationshipInfo.initialize()
IY55990	Corrected issue with PriceRefreshFlag 2.
IY57381	Corrected email body lost issue.
IY59639	Corrected null pointer exception when PMI turn on.
IY60615	Corrected issue where broadcast job causing deadlocks running with clones.
IY63462	Taxware integration updates.
IY63839	Corrected improper evaluation of multiple free gift adjustment.
IY63842	Corrected averaging in PMI.
IY63843	Addressed accounts load time in Accelerator.
IY63844	DBCLean improvements.
IY63846	Corrected issue with the 'Display Category' function for the Accelerator.
IY63922	Corrected SAXParse exception when running Migratedb script.
IY64362	Corrected Javascript error in the PMT.
IY64844	Corrected webservice issue on Solaris.
IY64965	Corrected pagination issue when controller command returns an exception.
IY65363	Corrected price display issue Advanced B2B Store order flow.
IY65441	Corrected master price list issue.
IY65640	Corrected error for discounts greater than 999.99.
IY65828	Corrected JavaScript truncation error creating promotions with very large user ID numbers.
IY65983	Corrected null pointer exception on update order quantity.

IY66071	Corrected Javascript error in the Design Sales Catalog tool with Windows XP SP2.
IY66125	Corrected campaign migration script fails when campaign rule xml corrupt issue.
IY66151	Increased use of StoreRegistry to address performance.
IY66268	Corrected ReferralDataBean.populate null pointer exception.
IY66296	Correct issue if hidden products not appearing in contract catalog tree.
IY66301	Update ContractTCDeployCmdImpl.doUobUpdateFailed() for better error handling.
IY66516	Corrected promotion list null pointer exception.
IY66647	Corrected issue with creating a payment instance in federated environment.
IY66710	Allow special characters during customer segment creation.
IY66896	Corrected interface issue when discount value is greater than order item amount.
IY66897	Corrected products screen interface for improperly formatted numbers.
IY66983	Corrected issue with displaying Japanese characters.
IY66986	Corrected issue with cookie acceptance = on, bookmarked pages can't be accessed.
IY67111	Corrected multiple join keys issue.
IY67322	Corrected issue where campaign creation unpublished categories do not show.
IY67897	Removed check of the Buyable flag from the Catalog Filter.
IY68599	Corrected OrderItemDataBean issue.
IY68897	Corrected issue where code does not refer to Cached Registry to process PriceTCs.
IY68952	Corrected order process approvals issue in Organizational Admin Console.
IY70195	Corrected new contract version redeploy fails issue.
IY71174	Optimization of MemberGroup SQLs
IY71174	Corrected MemberGroupsCacheCmdImpl does not work if Cache is disabled issue.
IY71174	Optimization of check users mbrgrp commands.
IY71459	Corrected issue where '&' in logonIds causes promotions exceptions.
IY71854	Set CardVerifyCode to null after the order is approved
IY71854	Corrected synchronous AutoApprove does not work with 'CVV remove APAR' issue.
IY72227	Corrected issue where turning on WC_MESSAGING caused exception while sending xml message.
IY72248	Corrected CCInfoEncoderDecoder class is truncating the plain-text data issue.
IY72390	Updated Payment CAL file ibmjssse.jar.
IY72791	Corrected issue where refreshing the fulfillment registry doesn't work in cloned environment.
IY73243	Corrected base delegation grid issue.
IY73313	Corrected infinite recursion if including self reference to segment issue.

IY73314	Addressed performance problem with campaign initiative cache.
IY73830	Corrected pagination not working on Category List page for promotions issue.
IY73888	Corrected dynamic kit under product behavior.
IY73928	Correct payment amount greater than order amount issue.
IY73936	Updated Payment Manager user password expiration.
IY74022	Corrected CalculationCodeListDataBean to work in hosted environment.
IY74025	Corrected targeting profile not evaluated correctly for promotions issue.
IY74382	Corrected setMessage(byte newMessage[]) catches java.lang exception.
IY74837	Correct ContractImportApprovedVersion fails with ampersand '&' symbol issue.
IY75363	Corrected shopping carts do not merge after creating 2nd FFM center issue.
IY76014	Corrected issue where payments didn't check CVV=000.
JR20010	Corrected CurrencyFormatGenerator JavaScript errors.
JR20153	Corrected OrderCreateXML.jsp to handle guest orders.
JR20189	Corrected metadata directory issue when checking out the workspace checkout from CVS.
JR20260	Corrected issue where EMLUSRRECV.RECEIVEEML is not updated with the correct store ID.
JR20298	Corrected supplier hub CatalogSearchResultDisplay.jsp forward problem.
JR20307	Corrected default billing address issue during checkout in ConsumerDirect sample store.
JR20320	Corrected assign shipping codes reverts to all products issue.
JR20338	Updated Jurisdictions.jsp to use the FFMC selected during Accelerator logon.
JR20433	Corrected issue removing Announcement/Withdrawal Date for a product.
JR20450	Corrected issue with Taxware external audit.
JR20464	SQL update to improve performance.
JR20469	Massloader update to correct SAXParser exception on Oracle versions above version 9.2.0.1.
JR20489	Corrected issue where could not identify which product/item the user has selected.
JR20495	Corrected issue when legacy messages processed through parallel listener.
JR20543	Added support for null value parameters with URL mapper.
JR20544	Update to support Turkish locale with Cloudscape.
JR20565	Corrected error in payInfo.setApprovedDate(payment.getApproveTime()).
JR20572	Updates to support WAS 5.1.1.
JR20585	Corrected migration issue when DN values contain apostrophes.
JR20595	Corrected OrderItemUpdate to retrieve price for multiple catentry with the same parent catentry_id.
JR20634	Corrected campaign migration error.
JR20659	Correct issue where file adapter does not release first file handle.



JR20698	Provide setter and getter methods for SendXMLOrderCmdImpl.
JR20701	Corrected exception when inserting NULL into BLOB through ETillArchive.
JR20706	Corrected issue with DBClean querying LASTSESSION, but not PRELASTSESSION.
JR20733	Corrected issue of being unable to assign shipping code to catalog categories.
JR20769	Correct cassette load error with Turkish locale.
JR20794	Improved performance when user has many roles.
JR20797	Corrected issue with updating fields in a package.
JR20809	Support member profile validation when displaying any promotion on store front page.
JR20819	Corrected Inventory not updated with ScheduleOrderCmd issue.
JR20823	Corrected x UserBeanBase can return incorrect cached results issue.
JR20826	Reduced calls to UserBean.getRolesForOrgEntityAndAncestors().
JR20834	Corrected issues placing order from Accelerator.
JR20842	Corrected contract migration error.
JR20845	Addressed performance issue in campaign catalog tree.
JR20855	Addressed performance in findSkuByAttributes.
JR20868	Corrected sales catalog creation through 'Add Product' to create item-category association.
JR20872	Corrected problem applying taxes on tax.
JR20874	Corrected error when deleting bundle or kit.
JR20874	Corrected issue with reseller ability to assign merchandising association to a manufacture owned catentry.
JR20882	Allow mapping of one promotion code to multiple promotions.
JR20944	Corrected issue with RFQBuyersForOrg.
JR20958	Corrected policy load issue in WC demo package.
JR20980	Corrected CalculationRuleCalculateCmdImpl does not implement the reset method issue.
JR20977	Performance improvements for large numbers of Calculation Rules.
JR20996	Corrected free gift deletion from shopping cart issue.
JR21004	Correct error with same item under different price break in one cart.
JR21051	Corrected issue with default contract prices being displayed when they should not.
JR21071	Corrected ClassCastException thrown in OrderAuthorizedNotify.jsp
JR21080	Corrected Accelerator updating ATTRVALUE.FIELD1 issue.
JR21093	Enablement to set MQ header fields.
JR21108	Corrected exception when uncheck "password required for startup" in config.
JR21161	Added finder method to CatalogEntry EJB.
JR21167	Corrected generic error after deleting the Ship To address.
JR21181	Corrected creation of search categories fails if product attribute contains apostrophe issue.
JR21208	Corrected PromotionEngineOrderCalculateCmdImpl issue.

JR21209	Corrected issue with EproUtil.getStoreId using a StoreEntityAccessBean instead of getting the StoreCopy object from the StoreRegistry.
JR21231	Corrected issue where STOREITEM.MINQTYFORSPLIT being set to non-zero value causes error.
JR21226	Added the IN predicate support for Product Advisor.
JR21247	Corrected unpublished data still shows in B2BDirect Store with dead links issue.
JR21361	Corrected error when linking 2 guided-sell metaphors in Product Advisor.
JR21374	Removed check within SegmentCache to limit CONDITION field size.
JR21406	Corrected issues with CategoryDataBean.
JR21430	Corrected issue where JS ExitValidate.js was referenced in various JSPs.
JR21430	Corrected issue where JS ExitValidate.js was referenced in various JSPs.
JR21438	Corrected issue where pressing Enter on Account Find dialog results in a blank page.
JR21493	Persistent session.
JR21531	Order improvement to support shipping promotions on various conditions.
JR21535	Corrected error ordering >11 items with InventoryAllocationCheck command.
JR21537	Allow DBClean to support "set current query optimization 1".
JR21554	Corrected logon payments after change the port 443 to other port issue.
JR21594	Corrected products and items found in search after deleted in Accelerator issue.
JR21606	Corrected Turkish characters return incorrect results search issue.
JR21626	Corrected CATGRPTPC update during store publish issue.
JR21627	Corrected BalancePayment improper update of TRDDEPAMT issue.
JR21647	Allow access to channel identifier in DeploymentHostingContract.
JR21647	Allow creation of e-site during SAR publish.
JR21662	Corrected exploration metaphor search shows unpublished products issue.
JR21706	WAS HttpSession allowed to be serializable.
JR21756	Corrected Scheduled Order fails with Closed contract issue.
JR21818	Corrected alert redirects to "tools/common/ReLogonFormView on timeout issue.
JR21851	Addressed security policy-mgr performance issue.
JR21903	Corrected InstanceXMLFileAccess DB problems using Oracle.
JR21913	Corrected issue with store ID being appended to active org id in Accelerator.
JR21914	Corrected changed fixed price deletes existing orderitem issue.
JR21934	Corrected excessive looping setting up StorePath.
JR21949	Correct issue where Html entities cause problem in PE page.
JR21949	Correct issue where search space creation fails for duplicate attributes.
JR21949	Corrected Product Explorer Fails when Attributes contain html entities issue.

JR21949	Corrected search space creation fails for same attribute names issue.
JR21951	Corrected issue where catalog search is not locale sensitive.
JR21982	Added extra tracing for StorePublishConfig.
JR22004	Corrected availability constraint not working in Guided sell page.
JR22004	Corrected catalog tree is not displayed correctly in Guided sell page issue.
JR22058	Corrected contract excluded category appearing on external pages issue.
JR22068	Corrected access promotion in Accelerator if SKU is deleted issue.
JR22068	Corrected shopping cart miscalculate if promotions returns catentryId=null issue.
JR22078	Correct issue where after a hang, jobs still in 'R' state in schactive table.
JR22079	Provide DB2 Uncommitted-Read Search to Reduce Lock Contention.
JR22093	Don't republish synced product sets.
JR22113	Corrected order promotion/free gift/SKU deletion issue.
JR22125	Stagingcheck command update.
JR22133	Correct inventory exceptions under stress issue.
JR22210	Toolkit: Correct failed to release to fulfillment issue.
JR22210	Toolkit: Correct failed to Decrease inventory issue.
JR22210	Toolkit: Correct ProcessBackorder command abort issue.
JR22210	Toolkit: Correct failed to partially order issue.
JR22223	Correct issue when CATENTDESC.NAME for an item is empty, the method getSKUNam in EProUtil returns null.
LI70459	Corrected issue where catalog appears twice when browsing for product in ad-copy add.
LI70477	Correct Product Attribute issue in Accelerator.
LI70488	Updated SQL files for UNIX machines.
LI70496	Corrected SQL exception.
LI70503	Parameterization of SQL to improve performance.
LI70538	Addressed performance issue with espot & userreg SQL.
LI70544	Remote 64-bit database support on Power5.
LI70545	Remote 64-bit database support on zLinux.
LI70583	Addressed schedule e-spot performance issue.
LI70594	Corrected x Address type being reset to 'R' from accelerator issue.
LI70595	Corrected error when requesting password reset after too many attempts.
LI70596	Corrected Catalog Import Upload Images rename/delete fails in Linux issue.
LI70598	Corrected Promotion does not work for Guest Shopper group issue.
LI70607	Corrected ignore empty spaces after promotion name issue.
LI70617	Corrected vector issue when migrating product ski.
LI70691	Corrected problem canceling the scheduled order in ToolTech.
LI70695	Corrected paxmlexportbatchcmd script xml file does not contain metaphor.

LI70699	Corrected shipment notification e-mail is not sent to guest shoppers issue.
LI70711	Corrected orderProcess changes timeplaced field in Orders table issue.
LI70715	Corrected ParentOrg not updated after logon via SSO issue.
LI70716	Corrected empty pick ticket printout issue.
LI70731	Corrected organizations don't switch when switching organizations issue.
LI70742	Addressed performance through store registry.
LI70812	Corrected promotion with two rewards does not give a correct result issue.
LI70827	Corrected change payment DB user password via config manager issue.
SE16884	Updated use of Sales Catalog in Contract XML.
SE17660	Corrected issue with items not being retained in shopping cart when URL Rewriting & Dynamic Caching enabled.
SE17890	Support for special characters in Promotions.
SE18574	Improve Configuration Manager performance when changing parameters on OS/400.
SE18818	Corrected null pointer exception in PromotionCodeDataBean.
SE18893	Use BaseJDBCHelper.useDB2_400(), to determine OS/400 database.
SE19213	Corrected error that occurred when vNumber included space.
SE19383	Corrected missing data in WCA reports issue.
SE19581	Corrected WCA reports.
SE19581	Corrected WCA Storefront Activity reports cannot be displayed issue.
SE19644	Corrected MigrateEncryptedInfo Cursor state error.
SE20017	Corrected issue editing existing VisaNet account.
SE20098	Addressed performance concern with numericInfo array data size being too large.
SI17795	Corrected cannot logon payments after change the port that connect to Commerce issue.
SI17981	Addressed Add to Shopping Cart performance issues.
SI18855	Corrected issue with order calc not as expected using custom promotion.
SI16235	Corrected issue where cannot view category list if category does not have parent.

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

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

- Update to Channel Manager access control <sup>3</sup>
- Improvements to Migration<sup>1,2,5</sup>
- Correction of Staging Server defects <sup>1,2</sup>
- Enhanced B2C store models ease of use <sup>1</sup>
- Java™ doc updates <sup>1,2,4,5</sup>
- Support for 64 bit DB2® Database on AIX® and Solaris <sup>1</sup>
- Performance enhancements <sup>1,2</sup>

- Improvements to Staging Server <sup>2,5</sup>
- Improvements to security <sup>2,4,5</sup>
- Improvements to DBClean <sup>4</sup>
- Approvals
  - Corrected issue where ActiveOrganization in command context was not updated upon registration <sup>2</sup>
  - Removed unnecessary approval JSP files on Stores.war\tools\approvals directory <sup>2</sup>
- Improved Analytics Reports <sup>5</sup>
- Improvements to Orders Support for WebSphere Application Server with an iSeries™ remote database <sup>5</sup>
- Performance enhancements Improvements to security <sup>5</sup>
- B2B Models
  - Resolved issue where migrated B2B users were not able to signon to ToolTech store <sup>1</sup>
  - Resolved issue where "Order Status" button gives blank page <sup>2</sup>
  - Corrected display of text ad copy <sup>2</sup>
  - Resolved issue where subcategory images were hard coded in JSP <sup>2</sup>
  - Corrected errors with MultipleShipping[Address/Method] view <sup>2</sup>
  - Corrected Euro currency symbol display on order status page <sup>2</sup>
  - Corrected issue where HTML tags showed on Select Shipping Method page <sup>2</sup>
  - Added back mechanism from item info page to order summary <sup>2</sup>
  - Order Summary page fails to display some currency symbols <sup>2</sup>
  - Resolved issue where OrderDetail is empty <sup>2</sup>
  - Resolved issue where shopping cart tried to modify completed order, not new order <sup>2</sup>
  - Updated ConsumerDirect to work with the preview tooling <sup>2</sup>
  - Corrected store JSPs to respect HTML tags on accelerator description <sup>5</sup>
  - Corrected can not add a big requisition list to shopping cart issue <sup>5</sup>
- B2C Models
  - Resolved issue where quick checkout fails in ConsumerDirect store <sup>1</sup>
  - Corrected JSP pages for preview tools <sup>1</sup>
  - Corrected issue when publishing SAR 2nd time with the same catalog <sup>4</sup>
  - Corrected HTML tags being displayed in MultipleShippingAddressView issue <sup>5</sup>
  - Corrected issue loading catalog pages in ConsumerDirect store <sup>5</sup>
  - Corrected CachedSidebarDisplay.jsp (style1 and 2)-resultType issue <sup>5</sup>
  - Corrected index.jsp cannot be launched by "Run on Server" option in WebSphere Application Server issue <sup>5</sup>
  - Corrected complete an order on Host Store issue <sup>5</sup>
- Campaigns
  - Corrected display issue with category list <sup>1</sup>
  - Resolved issue where campaign runtime command may return results from other stores <sup>1</sup>
  - Corrected issue where catalog tree in campaign may return duplicate entries <sup>2</sup>
  - Corrected promotion content filtering issue for Category promotion <sup>2</sup>

- Corrected issue in showing cross-sell product based on shopcart’s contents. <sup>4</sup>
- Corrected EMarketingSpot.getCatalogIds returns too many catalogs issue <sup>5</sup>
- Corrected purchase history condition in web activity does not work in esites issue <sup>5</sup>
- Corrected campaign pages failed to load if a URL contains ‘%’ issue <sup>5</sup>
- Corrected API compatibility issues between WebSphere Commerce 5.5 and WebSphere Commerce 5.6 <sup>5</sup>
- Catalog
  - Corrected problem where product long description cannot exceed 4k on an Oracle database <sup>1</sup>
  - Allow product weight to be set to non-integer value <sup>1</sup>
  - Resolved issue where catalog filter could not update a product if there are missing columns <sup>2</sup>
  - Corrected issue where sales catalog browsing fails if catalog filter inclusion used <sup>2</sup>
- Configuration Manager
  - Resolved issue where instance creation fails in oracle/2 node/remote web server configuration <sup>1</sup>
  - Resolved SUN/Oracle/2Node/Remote web server instance start error <sup>1</sup>
  - Added “successful” message at the end of WCIM running <sup>1</sup>
  - Corrected issue where redundant datasource was created when changing usr/pwd in Configuration Manager <sup>2</sup>
  - Corrected error when clicking WebSphere Commerce Analyzer in Configuration Manager <sup>2</sup>
  - Removed hard coding of WebSphere Application Server install paths on iSeries <sup>2</sup>
  - Corrected java.lang.NoClassDefFoundError when clicking security tab in Configuration Manager <sup>2</sup>
- Contracts
  - Resolved CommandContext - allowed setting non entitled contracts <sup>2</sup>
  - Resolved StoreCreationWizard failure with Sales Catalog in CPS Store <sup>2</sup>
  - Resolved issue where unsynchronized inclusion/exclusion caused blank catalog displayed in hosted B2B store <sup>2</sup>
  - Corrected missing Organization element in exported file for hosted store issue <sup>5</sup>
  - Corrected unable to update catalog filter for suspended contract issue <sup>5</sup>
  - Corrected catalog filter should order catalog objects “by sequence” issue <sup>5</sup>
  - Corrected blank page on cancel submitted for approval contract issue <sup>5</sup>
  - Corrected issue creating Hosted store in SupplyChain <sup>5</sup>
- Database
  - Oracle version of ExpectedInv modified to correctly handle date string <sup>5</sup>
- Developer
  - Added ‘FOR FETCH ONLY’ support for Cloudscape <sup>1</sup>
  - Corrected CSA reports to work on Cloudscape <sup>1</sup>
  - Corrected issue where idresgen and massload don’t handle spaces in directory names <sup>1</sup>
  - Resolved issue where JSPInvokerConnection.java throws errors when compiled in JDK 1.4 <sup>1</sup>

- Corrected java.sql.DataTruncation when sending email <sup>2</sup>
- Added new version of WCA reports for lite environment <sup>2</sup>
- Revised JSP Preview Tool setup documentation <sup>4</sup>
- Corrected path for toolsgeneralconfig datasource.properties <sup>4</sup>
- Corrected setdbtype.bat correctly setting the ServerName issue <sup>5</sup>
- Corrected access control load script for iSeries <sup>5</sup>
- Corrected acpextract script on Toolkit gives end of file error <sup>5</sup>
- E-mail Activity
  - Corrected issue where marketing manager had no authority for command <sup>1</sup>
  - "CheckForBouncedEmail" <sup>1</sup>
  - Made the campaignId parameter optional <sup>2</sup>
- Hosting Model
  - Added dependency IDs for DC\_contract (storePath) <sup>2</sup>
  - Removed redundant cacheable commands cache entry specification <sup>2</sup>
  - Corrected OrgAdminConsole:Roles not showing for Asset Store Organization issue <sup>5</sup>
- Marketing
  - Corrected issue creating segment in Accelerator, if the last check box of a constrain is selected, all are <sup>5</sup>
- Messaging
  - Corrected error with sample OrderStatus.wsdl <sup>1</sup>
  - Resolved issue where order status updated even though expired SupplierCookie used <sup>1</sup>
  - Corrected issue where NPE appeared between server restarts if ME commands are used <sup>1</sup>
  - Corrected Portal Alert messaging missing JSP file <sup>1</sup>
  - Corrected NullPointerException when MSGTYPES.DESCRPTION column is null <sup>5</sup>
- Massload
  - Corrected issue where updatedb.sh fails on subsequent executions <sup>4</sup>
  - Corrected Massload issue loading xml needed for contracts <sup>5</sup>
  - Corrected optimizer statistics regeneration issue <sup>5</sup>
  - Corrected idresolver doesn't properly detect an AS/400 connection issue <sup>5</sup>
  - Corrected SQL type and open cursor issues with Oracle 9.2.0.4 <sup>5</sup>
- Orders
  - Corrected issue where PreProcessOrderCmdImpl does not update promised availability times <sup>1</sup>
  - Corrected issue where OrderItemMove does not move coupon attachments and attributes <sup>1</sup>
  - Resolved ExtendOrderItemProcessCmdImpl API compatibility issue <sup>2</sup>
  - Corrected number format exception <sup>2</sup>
  - Resolved issue where OrderListDB. setFetchCurrentPendingOrder(boolean) was not working <sup>2</sup>
  - Resolved OrderNotifyCmdImpl exception if langid was null <sup>2</sup>
  - Corrected OutOfStockOrderItems null pointer exception <sup>2</sup>
  - Corrected issue where no eligible trading agreements can be found for user <sup>4</sup>

- Corrected error when invoking OrderPrepare command <sup>4</sup>
- Updated OrderProcess command to change backorder status from "B" to "M" <sup>4</sup>
- Corrected OrderProcessCmdImpl.ReverseUpdateInventory does extra query issue.
- Corrected free gift promotion is not applied in shopcart issue <sup>5</sup>
- Corrected order command for shipping promotion issue <sup>5</sup>
- Corrected deleting an orderitem already having been deleted issue <sup>5</sup>
- Corrected order the created static kits with quantity issue <sup>5</sup>
- Corrected ShopCart 'GenericErr' if administrator with existing order issue <sup>5</sup>
- Corrected exception generating message in SystemOut.log when order not found <sup>5</sup>
- Corrected static kit purchase issue <sup>5</sup>
- Corrected Search Order by userid performs LIKE comparison for Exact Match issue <sup>5</sup>
- Corrected shoppingcart miscalculate if promotions returns catentryId=null issue <sup>5</sup>
- Updated OrderSearchBean.java <sup>5</sup>
- Corrected OrderAdjustmentDescriptionBeanBase ejbCreate initialization incorrect issue <sup>5</sup>
- Corrected JavaScript error on Shipping->Define Charge Details page <sup>5</sup>
- Corrected issue placing guest order in Accelerator for multiple organizations <sup>5</sup>
- Provided additional info on the pop-up error message CMN3101E
- Payments
  - Resolved issue where a payments instance could not be created through configuration manager <sup>1</sup>
  - Corrected issue where wrong WebSphere node parameter creates difficult-to-trace exception <sup>1</sup>
  - Corrected issue when creating Payments DB without "encoding Unicode" <sup>1</sup>
  - Corrected issue of Payments instance creation reported successful if wrong Oracle DB name specified <sup>2</sup>
  - Corrected Create Payments with Toolbox failure for remote iSeries DB with IASP <sup>2</sup>
  - Corrected createPaymentsVirtualHost script on iSeries <sup>2</sup>
  - Resolved issue where iSeries Express configuration manager fails on remote Payments <sup>2</sup>
  - Added pop-up error for wrong site administrator ID in WPM instance <sup>2</sup>
  - Corrected issue where wrong WebSphere node parameter creates difficult to trace exception <sup>2</sup>
  - Corrected misleading message when starting Payment instance <sup>5</sup>
  - Corrected issue when starting Payments on iSeries with IBMPayServer command <sup>5</sup>
  - Corrected issue removing 3rd party cassettes <sup>5</sup>
  - Corrected no debug trace output for updateAdminUser method issue <sup>5</sup>
- Portal
  - Corrected registering a new user on portal change the portal admin userID issue <sup>5</sup>
- Pricing



- Check in item/product offer correction <sup>1</sup>
- Promotions
  - Corrected description in free gift promotion <sup>1</sup>
  - Resolved failure to create a promotion in Original Store targeting to the Customer Segment created in the Asset Store <sup>2</sup>
  - Removed unnecessary messages in SystemOut created when listing Promotions in Accelerator <sup>4</sup>
  - Corrected promoted item doesn't belong to current store issue <sup>5</sup>
  - Corrected currency conversion is wrong for product percent off promotion issue <sup>5</sup>
  - PurchaseCondition Pattern updated to allow for better customization <sup>5</sup>
  - Corrected SchedCouponCmd to use StoreRegistry to get StoreAccessBean <sup>5</sup>
- Returns
  - Resolved issue where a user had no authority to display return records <sup>1</sup>
  - Corrected issue where receiver see "%= comm.endDlistTable() %>" on return page <sup>1</sup>
  - Corrected issue where the user had no authority to display return records <sup>1</sup>
  - Resolved issue where returns could not be created in B2B hosted stores <sup>1</sup>
- Runtime
  - ECTrace performance improvements <sup>1</sup>
  - Resolved issue where Logon command did not respect PasswordInvalidation flag <sup>1</sup>
  - Corrected problems redirecting from Commerce to external system <sup>2</sup>
  - Resolved issue where ProductINfo gets version from wrong location <sup>2</sup>
  - Corrected servlet initialization failed exception in SystemOut.log <sup>2</sup>
  - Resolved issue where SSLAcceleratorOption and tools did not work <sup>2</sup>
  - Resolved issue where loop in error notification if msgtype not properly assigned <sup>2</sup>
  - Filtered out the explicitly excluded member groups from calls to the MemberGroupMemberAccessBean <sup>2</sup>
  - Corrected null pointer exceptions in ConverterKey <sup>2</sup>
  - Resolved issue where add new address form didn't verify user input properly<sup>2</sup>
  - Corrected confused Roles button in Users List Panel in OAC <sup>2</sup>
  - Resolved issue where OrgEntityDataBean did not sync org with LDAP on refresh <sup>2</sup>
  - Update to cookie handling with dynamic caching <sup>4</sup>
  - Resolved issuing a close on a null connection object <sup>4</sup>
  - Improve the logic for caching store object <sup>5</sup>
  - Corrected issue with simultaneous requests causing I/O exception and transaction rollback <sup>5</sup>
  - Corrected OrgEntityDataBean doesn't sync org with LDAP on refresh issue <sup>5</sup>
  - Corrected issue when viewing Users page in orgadminconsole <sup>5</sup>
  - Corrected org selection in User creation panel can't accept '\ ' issue <sup>5</sup>
  - Corrected find customer does not work if not using wcsadmin issue <sup>5</sup>
- Shipping
  - Corrected JSP compile error <sup>1\</sup>

- Corrected equals comparison in CalcCodeSaveControllerCmdImpl.validateParameters<sup>5</sup>
- Store Creation
  - Corrected store creation problems in hosting eSites<sup>1</sup>
  - Corrected can not remove the published status jobs issue<sup>5</sup>
  - Corrected help file linked broken when publish fails issue<sup>5</sup>
  - Corrected command line publish of ConsumerDirect fails issue<sup>5</sup>
  - Corrected category and product number is zero in StoreFrontUsage report issue<sup>5</sup>
- Taxation
  - Made user interface more consistent<sup>2</sup>
  - Corrected issue where returning an item from the catalog did not work with Taxware<sup>2</sup>
  - Corrected issue where taxes do not display as part of the product price<sup>5</sup>
  - Corrected removing a category and then recreating it resulting in a Generic Error issue<sup>5</sup>
- Tools
  - Resolved issue not creating products in Hosting Catalog Asset Store<sup>1</sup>
  - Corrected Guided Sell sorting issue<sup>4</sup>
  - Corrected gotoAndHighlightNode goes to infinite loop when childrenUrlParam is not null issue<sup>5</sup>
  - Corrected length of name for duplicate promotion issue<sup>5</sup>
  - Allow user to click anywhere in the column header to sort<sup>5</sup>
  - Corrected can not decheck header check box properly in the framework issue<sup>5</sup>
- Utilities
  - Corrected no user/passwr in dbclean command throwing exception issue<sup>5</sup>
  - Corrected performance monitor unable to register due to duplicate name issue<sup>5</sup>

<sup>1</sup> Indicates updates or improvements introduced in fix pack 5.6.0.1.

<sup>2</sup> Indicates updates or improvements introduced in fix pack 5.6.0.2.

<sup>3</sup> Indicates updates or improvements introduced in fix pack 5.6.0.3.

<sup>4</sup> Indicates updates or improvements introduced in fix pack 5.6.0.4.

<sup>5</sup> Indicates updates or improvements introduced in fix pack 5.6.0.5.

---

# Chapter 1. Prerequisites

---

## Technotes

The following technote provides a link to all technotes related to the WebSphere Commerce 5.6.0.5 fix pack. Technotes can be found by using the technote number to search the IBM Web site ([www.ibm.com](http://www.ibm.com)). The link to the WebSphere Commerce 5.6 Master Technote is:

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

---

## Prerequisites for customized code or workspace

This fix pack will update a list of files which is located in the "**WebSphere Commerce 5.6.0.5 Developer Files Changed**" link at the following URL:

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

If you have made custom modifications to any of these files, you may wish to back them up. To re-implement the customization, you must merge the files you have backed up with the 5.6.0.5 level files. For further instructions on this subject, check the WebSphere Commerce Technotes page for updates.

---

## WebSphere Application Server prerequisites

Download the WebSphere Application Server interim fix PQ86604 and install it on the WebSphere Application Server version 5 test environment. The link to PQ86604 is <http://www.ibm.com/support/docview.wss?uid=swg24007050>. The path to the WebSphere Application Server version 5 test environment is `WSAD_installdir\runtimes\base_v5`.


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

1. Start the WebSphere Commerce development environment.

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

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

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

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

2. Switch to the **Servers** perspective.
3. In the **Servers** window click on the **Servers** tab.
4. For each one of your servers complete the following steps to enable large branching on the server.
  - a. Double-click on the server name. For example, double-click on **Lightweight WebSphere Commerce Test Environment**.

- b. In the window that opens, under **Server Settings**, expand **System Properties**.
  - c. Click **Add**.
  - d. In the **Name** field enter:  
`com.sun.tools.javac.main.largebranch`  
  
in the **Value** field enter:  
`true`
  - e. Click **OK**.
5. Save your changes.

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

---

## Chapter 2. Applying the update

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### Downloading the fix pack using the Update Manager

The first step is to download the fix pack code and its associated installer by doing the following:

1. Ensure you have WebSphere Commerce development environment open. You may refer back to step 1 of Chapter 1, “Prerequisites,” on page 1, for detailed information on how to open this environment..
2. From the **Help** menu, select **Software Updates** → **Update Manager**.
3. In the Feature Updates window, right-click **Sites to Visit** and select **New** → **Site Bookmark**.
4. A New Site Bookmark window will open. In the **Name** field, type a name for the update. For example, 5605. For the rest of the steps, the variable `update_name` will be used to represent the name chosen. In the **URL** field, type:

► **Business**

```
ftp://ftp.software.ibm.com/software/websphere/commerce/56/5605/  
toolkit/BE/site.xml
```

► **Professional**

```
ftp://ftp.software.ibm.com/software/websphere/commerce/56/5605/  
toolkit/PE/site.xml
```

► **Express**

```
ftp://ftp.software.ibm.com/software/websphere/commerce/56/5605/  
/toolkit/EXPRESS/site.xml
```

5. Click **Finish**. A new entry named `update_name` is created in the Feature Updates window.
6. Select `update_name` → **WebSphere Commerce Toolkit V5.6 Fixes** → **WebSphere Commerce Toolkit Fix Pack 5.6.0.5**.
7. In the Preview window click **Install** to begin the installation.
8. Click **Next** to confirm the feature you are about to install.
9. Accept the terms of the license agreement and click **Next** to continue.
10. Click **Finish** to begin the installation.
11. If a window opens with a warning: You are about to install an unsigned feature, click **Install**. The installer will begin downloading the update files. When the files have been downloaded the update wizard will start.

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

---

### Applying the fix pack to WebSphere Commerce Developer

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

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

```
WCDE_installdir
```

For example,

C:\WCToolkitBE56

Click **Next**.

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

Click **Next**.

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

---

## Chapter 3. Post update steps

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

---

### Advisory for creating a new WebSphere Commerce test environment or database

You must manually update the Channel Manager access control policies any time you create a new WebSphere Commerce test environment or a new database after WebSphere Commerce Developer 5.6 fix pack 5 is installed. If this is the case, please ensure that you complete the steps described in the “Updating Channel Manager access control policies” on page 8.

---

### Re-configuring DB2 or Oracle database

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

---

### Configuring the development environment to use DB2 Universal Database for iSeries

You should reconfigure the development environment to use DB2 Universal Database for iSeries if any of the following statements apply to your development needs:

- You are developing enterprise beans that require you to write database specific SQL.
- You are making significant changes to the database schema

DB2 Universal Database for iSeries will be running on a machine remote from your WebSphere Commerce development environment machine.

#### Prerequisites

- You have installed WebSphere Studio Application Developer with the WebSphere Application Server 5.0.2 Test Environment.
- If you plan to use the full WebSphere Commerce test environment, you have applied the required fixes to WebSphere Studio Application Developer.
- You have installed the WebSphere Commerce toolkit and have a functioning lightweight test environment.
- Your iSeries machine is running one of the following database management systems:
  - DB2 Universal Database for iSeries V5R2 (provided with OS/400® V5R2)
  - DB2 Universal Database for iSeries V5R3 (provided with i5/OS™ V5R3)
- You have the following information gathered about your database server:
  - The relational database name in which the WebSphere Commerce development environment database tables should be created

- The database user profile used to access the database
- The password for the user profile
- The fully qualified host name of the database server
- (optional) The port number on the database server used for remote connections

## Procedure

To configure the development environment to use DB2 Universal Database for iSeries, do the following:

1. Ensure that the iSeries user profile uses the localized settings for a language as listed in the table below.

*Table 1. Localized settings for iSeries user profiles*

Language	CCSID	LangID	CountryID
English	37	ENU	US
French	297	FRA	FR
German	273	DEU	DE
Italian	280	ITA	IT
Spanish	284	ESP	ES
Brazilian Portuguese	37	PTB	BR
Japanese	5035	JPN	JP
Korean	933	KOR	KR
Traditional Chinese	937	CHT	TW
Simplified Chinese	935	CHS	CN

**Important:** Using localized settings for an iSeries user profile other than those defined above might work, but has not been tested.

2. Ensure that WebSphere Studio Application Developer is not running.

**Note:** If you forget to shut down WebSphere Studio Application Developer, the server configuration might disappear. Refresh the Servers project and it should reappear.

3. Start a Windows<sup>®</sup> command prompt session.
4. Switch directories to the *WCDE\_installdir\bin* directory.
5. Do one of the following steps:

If this is the first time you are configuring the development environment to use DB2 Universal Database for iSeries and you are not using an existing WebSphere Commerce development database, issue the following commands:

```
setdbtype as400 dbHost dbUserID dbUserPassword
createdb.as400.bat dbHost dbUserID dbUserPassword
```

where the command parameters are defined as follows:

*dbHost* The fully qualified host name of the remote iSeries database server.

*dbUserID*  
The database user profile used to access the database.

*dbUserPassword*  
The password for the user profile.



This command creates and populates the DB2 Universal Database for iSeries development database and switches the development database to this new database.

If you want to switch to an existing, DB2 Universal Database for iSeries development database, issue the following command:

```
setdbtype as400 dbHost dbUserID dbUserPassword
```

where the command parameters are defined as follows:

*dbHost* The fully qualified host name of the remote iSeries database server.

*dbUserID*  
The database user profile used to access the database.

*dbUserPassword*  
The password for the user profile.

This command switches the development database to the existing development database.

The WebSphere Commerce development environment is now configured to use DB2 Universal Database for iSeries as its database. Also, the full test environment has been added to the WebSphere Commerce development environment. Both the lightweight WebSphere Commerce test environment and the full WebSphere Commerce test environment use the DB2 Universal Database for iSeries development database.

The new DB2 Universal Database for iSeries development database does not come with all starter stores published. You must publish any starter stores you want to work using the WebSphere Commerce Administration Console.

---

## Running the updatedb script

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

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

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

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

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

- *dbname*: The name of the database to be updated
- *userId*: The user ID of the user who owns the database
- *password*: The password of the user who owns the database
- *schema\_name*: The schema name of the database

To verify that the script was successfully completed, look at the *schemacreation\_\*.log* file located in the *WCDE\_installdir/logs* directory.

---

## Updating Channel Manager access control policies

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

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

1. Checking for customization:
  - a. Connect to the server database
  - b. Ensure that the existing policies have not changed by running the following SQL queries:
    - 1) 

```
select mbrgrpname, groupname, grpname from acpolicy p, mbrgrp m,
acactgrp a, acresgrp r where policyname in
('ChannelManagersExecuteStoreStateChangeCommandsOnStoreResource')
and p.member_id = -2001 and p.mbrgrp_id = m.mbrgrp_id and
p.acactgrp_id = a.acactgrp_id and p.acresgrp_id = r.acresgrp_id
```

This should return the following:

      - MBRGRPNAME is 'ChannelManagers'
      - GROUPNAME is 'StoreStateChangeCmdActionGroup'
      - GRPNAME is 'StoreDataResourceGroup'
    - 2) 

```
select mbrgrpname, groupname, grpname from acpolicy p, mbrgrp m,
acactgrp a, acresgrp r where policyname in
('ChannelManagersExecuteOrgEntityLockCommandsOnOrgResource')
and p.member_id = -2001 and p.mbrgrp_id = m.mbrgrp_id and
p.acactgrp_id = a.acactgrp_id and p.acresgrp_id = r.acresgrp_id
```

This should return the following:

      - MBRGRPNAME is 'ChannelManagers'
      - GROUPNAME is 'OrgEntityLockActionGroup'
      - GRPNAME is 'OrganizationDataResourceGroup'
    - 3) 

```
select mbrgrpname, groupname, grpname from acpolicy p, mbrgrp m,
acactgrp a, acresgrp r where policyname in
('ChannelManagersExecuteStoreCategoryUpdateCommandsOnStoreData
ResourceGroup') and p.member_id = -2001 and p.mbrgrp_id =
m.mbrgrp_id and p.acactgrp_id = a.acactgrp_id and p.acresgrp_id =
r.acresgrp_id
```

This should return the following:

      - MBRGRPNAME is 'ChannelManagers'
      - GROUPNAME is 'StoreCategoryUpdateCommands'
      - GRPNAME is 'StoreEntityDataResourceGroup'
2. To load policy updates to the database, complete the following steps:
  - a. Ensure that the `d88838ChMgrAccessControlPolicies.xml` file is in the following location:  
`WCDE_installdir\xml\policies\xml`
  - b. Run the following command:

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

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

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

- *dbname*: The name of the database to be updated.
  - *userId*: The user ID of the user who owns the database.
  - *password*: The password of the user who owns the database.
  - *schema\_name*: The name of your database schema.
- c. Ensure that the script was successfully completed, do the following:
- Ensure that no errors are found in the `acpload.log` file located in the `WCDE_installdir/logs` directory.
  - Ensure that there is no generated file with the word "error" in the file name located in the `WCDE_installdir/xml/policies/xml` directory.
- d. Restart the WebSphere Commerce Server for changes to come into effect.

---

## Updating the WebSphere Commerce documentation

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

```
Business ftp://ftp.software.ibm.com/software/websphere/commerce/56/5605/  
ID/BE/site.xml
```

```
Professional ftp://ftp.software.ibm.com/software/websphere/commerce/56/5605/  
ID/PE/site.xml
```

```
Express ftp://ftp.software.ibm.com/software/websphere/commerce/56/5605/  
ID/EXPRESS/site.xml
```

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



---

## Chapter 4. Removing the update

---

### Removing the fix pack from WebSphere Commerce Studio

The fix pack uninstall process will modify a list of files that is specified in Chapter 1, “Prerequisites,” on page 1. If you have made customization to any of these files, you should back them up, but be aware that some of the features specific for fix pack level 5.6.0.5 will no longer be available after it is uninstalled.

1. Ensure that WebSphere Studio Application Developer is not running.
2. Navigate to the *WSAD\_installdir\Installer* directory and double-click **updateWizard.bat**.
3. Select a language and then click **OK**.
4. Click **Next** to continue.
5. Click **Specify product information**. Under **Installation directory**, type the following:  
*WCDE\_installdir*  
For example,  
C:\WCToolkitBE56  
Click **Next**.
6. Select **Uninstall fix packs**. Click **Next**.
7. Select the fix pack to be uninstalled. Click **Next**.
8. Click **Next** to uninstall the fix pack.
9. Ensure that the installer displays the message The following pack was successfully uninstalled. If you do not get this message the installer will indicate the log files to check.
10. Click **Finish**.



---

## Chapter 5. Troubleshooting

---

### Accessing backup files

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

`WCDE_installdir\properties\version\backup`





---

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