IBM

WebSphere Product Center

Release Notes

Fix Pack 5.0.0.7

Note!

Before using this information and the product it supports, read the information in "Notices" at the end of this document.

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This edition of this document applies to WebSphere Product Version (5724-I68), version 5.0.0.7, and to all subsequent releases and modifications until otherwise indicated in new editions.

Table of Contents

1. Overview

This document addresses customer requests, installation instructions, and notes for WebSphere Product Center Fix Pack 5.0.0.7 on the following platform:

- WebSphere Application Server 5 / DB2

1.1 Fix Pack requirements

WebSphere Product Center 5.0 must be installed prior to the application of Fix Pack 5.0.0.7:

2. Change requests

The following sections list change requests that have been addressed in previous Fix Packs since WebSphere Product Center 5.0.

2.1 Fixes implemented in 5.0.0.7

Tracking Number	Description
P13064	Category ordering script operations
P15117	Item ordering getting lost across categories
P15373	Reorder category doesn't work properly through scripts
P15772	Item lock on updating item through script in Web Services Console
P16013	The category script operation getItemPrimaryKeysForCategory with ordering enabled does not give consistent results
P16044	ReorderEntry () corrupts getItemsInCategory() when used with ordered flag = true
P16045	Update prototype for reorderEntry()
P16046	Issues with setOrdered
P16050	getItemPrimaryKeysForCategory() returns duplicate primary keys when ordered flag is set to false
P16051	Save causes invalid entries in DB for new CA item with validation error`
P16171	getItemSetForCategory() returns empty set with true

2.2 Fixes implemented in 5.0.0.4

Tracking Number	Description
P16018	Merger of GDS demand side features into 5.0.0.4

2.3 Fixes implemented in 5.0.0

Tracking Number	Description
P15443	Problems with securing attribute collections

P15333	GDS: Addition of new DB2 function converdateformat had issues with create schema
P15392	The script operation getLinkedItemsForNode does not work on multi-valued nodes. The operation returns null with a node path that resembles "My Catalog/a#0/ab#0/aba".
P15355	When there is an item mapped into multiple categories, and a user tries to "Remove" the item from one of the Category mappings, we get a "DELETE" value in the save_event and the item still exists in another category. To differentiate between the removal of an entity from a category and deleting the entity completely, another value was added to save_event, called "remove", which is set when an Item or Category is removed in the Left Pane.

2.4 Fixes implemented in 5.0.0.2

Tracking Number	Description
P14871	Script operation validateXML does work in all scenarios.
P14872	GDS: While importing a zip file, the scheduler exception log shows an exception where a DB2 query fails.
P14925	GDS: When executing an environment export of specs with lookup tables attached, the export fails.
P14926	GDS: Executing a data load using a shell script throws an exception.
P14927	Merge Global Data Synchronization (GDS) functionality into 5.0.0.2.
P15103	Setting Exact Match for Advanced Selections for string attributes is not returning any rows.
P15108	Add the function **convertdateformat** for DB2, as it is required by GDS reports.
P13953	For any schema change where indexes are affected, there is no straightforward way to recreate the indexes. A new shell script is needed to recreate the indexes for the application's database schema.
P15274	Items were getting stuck in the initial step of a workflow and there was no way to fix the problem without creating a new company environment.

2.5 Fixes implemented in 5.0.0.1

Tracking Number	Description
P10992	Problems when defining primary key type
P11405	Custom Import Export Tool -- Importing roles repeatedly does not update the data
P11472	Custom Import/Export Tool -- trying to Import user settings does not do recursive import of pending attributes
P11660	New statistic needed for Imports: total time preparing batches
P11872	Custom Import/Export Tool - Spec Node of type Lookup Table is not imported correctly
P11986	Optimize Search Query for Simple case of a single attribute search over the entire catalog
P11987	Optimize doc store lookup
P12097	Security - Giving Access privileges to attribute collections for one user allows that user to view other attribute collections also

P12114	Parent hierarchy node not checked out when parent and child are created in workflow but child only is checked in
P12155	Time cannot be queried in an Advanced Selection
P12157	Import Script giving null pointer exceptions
P12159	The "restrict display locales" setting in My Setting should only affect display, not scripts
P12185	Update Item Attribute Query
P12195	"Get Items Linked To This Item" Query
P12197	Improve performance of Attribute Collections
P12212	Mapped Hierarchy section of the Item Edit screen does not remember the user-selected setting for expand and collapse
P12220	Category being removed from the collaboration area tree even when there are dependent children remaining
P12282	Item status icon is changed by Macro
P12288	Provide contextual information for post-save scripts
P12358	ItemSet performing multiple queries
P12360	Can't search for German character ß
P12411	Validation rule still executed even after disableContainerProcessingOptions() call
P12414	$TOP/bin/exportCompanyAsZip.sh is missing
P12419	Attribute inside grouping disappears if item is saved in a view that does not show the same attribute
P12426	Error when modifying role/locale setting
P12439	Restrictions on script locales should be configurable through common.properties as well as through setContainerProperties()
P12446	Change saveCtgItem to behave as "Save As Draft" in a workflow step
P12449	Exception thrown when trying to save a new lookup table item
P12460	ASP/JSP script loses text following last piece of code (impacting invoker pages and custom tools)
P12477	Problems saving multi-occurrence grouping attributes in scripts
P12478	Saving in Lookup Tables duplicates attributes
P12493	DB2 - Server Error occurs when trying to create a lookup table
P12958	Word "trigo" was present in the support mail id "support@trigo.com"
P13597	Script operation for attaching tabs to views not working
P13671	Script operation createOtherOut is adding additional characters
P13739	LOG4J error logging needs to extended into Scripting-API
P13829	Custom Tools display IBM copyright message on the top
P13838	Custom Import/Export Tool, missing category structure, Catalog and Category Content
P13974	Maximum open cursors exceeded when importing
P14021	Import Environment getting stuck at 75%
P14356	Rich Search not working

2.6 New Expand Collapse setting

The settings for expand/collapse of the Mapped Hierarchy section of the Item Edit screen were not saved. The user setting 'MAPPED_HIERARCHY_NODES_EXPAND_COLLAPSE_ENUM' has been introduced and it saves the expand/collapse info per container per user.

2.7 Category ordering script operations

Issue: In the GUI, Catalogs can be added to the Left Pane. If the Catalog is ordered (by setting the Catalog "ordered" attribute, then the user is able to highlight children Items or Categories and use "cut" and "insert before", to change the order.

This functionality is now exposed via scripting and allows a script to reorder an Item or Category underneath a parent Category.

Solution: Three scripting operations were added to the script library to allow a script to reorder an Item or Category underneath a parent Category.

1) Category::reorderEntry()

This operation is provided for script users to be able to adjust the ordering of either items or categories with a parent category. Ordering is enabled at the Catalog level.

Script Prototype:

Integer Category::reorderEntry(ICatalog ctg, IEntry child, Integer position, Boolean bInsertBefore);

Parameters:

- ICatalog ctg: the catalog instance in which we are working
- IEntry child: The Entry instance to be repositioned. This is the source of the move.
- Integer position: The absolute position (starting at zero) of another Entry in the list. This position indicates the target of the move.
- Boolean: bInsertBefore: Indicator describing if the child Entry should be inserted before or after the position. true = pre-pended (before), false = appended (after). This parameter is optional.

Returns:

Integer child: The id of the reordered child. If the reorder failed this id is returned as null.

2) Catalog::setOrdered()

This method is provided for script users to be able to set and unset the Catalog ordering..

Script Prototype:

Boolean Catalog::setOrdered(Boolean bOrder);

Parameters:

Boolean: bOrder: When set, this sets the Catalog Ordering. When false this disables the Catalog ordering.

Returns:

Boolean true if the operation worked, false if it failed.

3) Category:: getEntryPosition()

This method is provided for script users to be able to get the ordered position of either items or categories with a parent category. Ordering is enabled at the Catalog level.

Script Prototype:

Integer Category::getEntryPosition(ICatalog ctg, IEntry child);

Parameters:

ICatalog ctg: the catalog instance in which we are working

IEntry child: The Entry instance to be repositioned. This is the source of the move.

Returns:

Integer position: The position of the Child Entry. If there was an error then null is returned.

2.8 Restrictions on script locales are configurable through common.properties as well as through setContainerProperties()

CR: P12439

When you set a limited number of locales to display in My Settings, it not only affects the display, but also the locales that are available in scripts. The locales that are restricted in "My Settings" should only affect what is displayed in the UI and should not affect scripts.

P12159 implemented new parameters to setContainerProperties() which override the user locale restrictions to scripts in a user session. This configuration option can now be configured on a site basis instead of a per instance basis. This is done through a flag setting in common.properties (see #1). If it is desired to set user locale restrictions individually or override the common.properties settings (see #1), users can use the method described in #2 on the following page.

#1

Use the following **common.properties** setting to restrict scripts from user local restrictions:

```
Should scripts apply user locale restrictions?
  467: #
  468: # Default is "true".  This setting may be overridden on a
  469: # container-by-container basis with
```

```
470:  # the "SCRIPT_RESTRICT_LOCALES" paramter to the
471:  # setContainerProperties() script operation.
472:  #
473:  # Example: script_restrict_locales=false
474:  #
475:  #
476:  script_restrict_locales=true
```

#2

To override the restrict locale setting in "My Settings" for script operations, use "setContainerProperties" to ignore the restrictions and display all available locales. This is only valid for a user session. Once the user logs out and logs back in, the restrict locale setting in "My Settings" apply.

Set "SCRIPT_RESTRICT_LOCALES" to **false** to ignore the locale restrictions set in "My Settings" and set to **true** to allow locale restrictions set in "My Settings.

setContainerProperties

- *Prototype*: void Container::setContainerProperties(HashMap properties)

- *Description*: The properties specified in the PROPERTIES hashmap are set for the container in question. The hashmap keys can be one of "SCRIPT_NAME" "PRE_SCRIPT_NAME" "POST_SAVE_SCRIPT_NAME" "ENTRY_BUILD_SCRIPT" "DISPLAY_ATTRIBUTE" "USER_DEFINED_CORE_ATTRIBUTE_GROUP" "SCRIPT_RESTRICT_LOCALES". The values are required to be string names for scripts, Node object for "DISPLAY_ATTRIBUTE", an AttrGroup object for "USER_DEFINED_CORE_ATTRIBUTE_GROUP" and "true" or "false" for "SCRIPT_RESTRICT_LOCALES". If "SCRIPT_RESTRICT_LOCALES" is set to "false" (case insensitive) then script operations on entries in this container will not take account of the locale restrictions defined in User Settings.

3. Installation

This section provides general guidelines to apply a Fix Pack to WebSphere Product Center. Some information may differ depending on the methods used for previous installations. Contact your support representative for WebSphere Product Center with any installation issues.

3.1 Installation Notes

3.1.1   Index recreate requirement

Note: This is only a requirement for environments setup to use Oracle with WebSphere Product Center. If this index has already been recreated in a previous release, do no recreate index.

After deploying the Fix Pack, perform the following steps:

1. Navigate to the directory $TOP/src/db/schema/gen

2. Run the following command to drop and rebuild all the indexes for the docstore module:

sqlplus <oracle_username>/<oracle_userpasswd>@<service_name> @idx_doc_docstore.sql

3.2   Preparation

Before attempting to apply the latest Fix Pack to WebSphere Product Center, the following preparation is recommended:

3.2.1   Stopping the whole application on the local machine

Complete the following steps to stop the WebSphere Product Center instance:

1. Check the scheduler to make sure there are no critical jobs that need to be completed. If the queue is clear, kill the scheduler manually by running the following script:

   ```
   $TOP/bin/go/stop/stop_scheduler.sh
   ```

2. Abort the entire application by running the following script:

   ```
   $TOP/bin/go/abort_local.sh
   ```

   All services running on the local machine is aborted. The RMI registry is aborted.

Note: Check to make sure all processes have stopped using the 'ps' command.

Kill off any rogue "java" or "rmiregistry" processes that remain after shutting down the instance. Occasionally, it may take several attempts to kill off all java processes. Continue killing all java processes until they are all dead.

3.2.2   Backup

- **Create a full backup of the current WebSphere Product Center directories before applying the Fix Pack. The Fix Pack will overwrite files that have changed. If any issues occur, the backup will allow a rollback to a previous version**

- **It is recommended to apply the Fix Pack to a test system to identify any issues before applying the Fix Pack to a production system**

- **Perform a full backup of the database before applying the Fix Pack to a production system**

  Note: Do not delete the old WebSphere Product Center version until performing thorough testing with the new installation.

3.3   Apply Fix Pack

To apply the Fix Pack to WebSphere Product Center, complete the following tasks:

- ❑ Unpack tar file
- ❑ Run WebSphere Application Server script

- ❑ Update configuration files

- ❑ Test installation

3.3.1   Unpack tar file

Purpose: To extract and update any new installation files into the current working directory

Note: GNU tar is needed to untar the WebSphere Product Center files.

1. Copy the WebSphere Product Center tar file to the user or temporary directory.

   Example:

   ```
   {HOME_OF_WPC}/tarballs
   ```

2. CD to $TOP, the current working directory, and unpack the tar file:

Example:

Using GNU tar, the following command extracts and unzips the tar file using an absolute path:

```
tar zxvf
/home/WPC/tarballs/wpc_5001_03_fixpak_from_5000_15_was5_db2.tgz
```

3.3.2   Run WebSphere Application Server script

After unpacking the tar file in the previous section, ensure that the default server (server1) is running and run the following WebSphere Application script:

   $TOP/bin/websphere/install_war.sh

Note: Ensure that the default server (server1) is running, as it is required for the WebSphere Application Server script to work. If needed, start the WAS default server by issuing the following command as root:

${WAS_HOME}/bin/startServer.sh server1

3.3.3   Verify configuration files

Verify all configuration files required by the new installation and make any updates as needed. Refer to the backup copy of the configuration files for the previous installation if needed.

- ❑ common.properties

- ❑ admin_properties.xml

- ❑ init_ccd_vars.sh

- ❑ WebSphere Product Center license file

❖ **common.properties**

On startup, the system will use this file to read in all system level parameters. This file includes settings for the database layer (connection parameters), directory settings, default character sets, thread-pooling parameters, and other settings, which are documented in the file.

File location: $TOP/etc/default

❖ **admin_properties.xml**

This file is used by the administrative utilities to configure clusters of the application.

File location: $TOP/etc/default

❖ **init_ccd_vars.sh**

The initialization file is the shell script that initializes the shell variables used by the system.

File location: $TOP/setup

❖ **WebSphere Product Center License File**

The license file contains the license keys needed to use the WebSphere Product Center application.

File location: $TOP/etc/default

3.4 Test installation

3.4.1   Start WebSphere Product Center

To start the WebSphere Product Center, execute the following script:

```
$TOP/bin/go/start_local.sh
```

The script starts all the services needed to run WebSphere Product Center.

Note: This process should take approximately 30-40 seconds, depending on the speed of the processor.

3.4.2   Check status

Run the **$TOP/bin/go/rmi_status.sh** script that was provided by WebSphere Product Center and verify the following services have started correctly.

- admin_<machine name>

- appsvr_<machine name>

- eventprocessor

- queuemanager

- scheduler

- workflow

YOU HAVE SUCCESSFULLY APPLIED THE LATEST FIX PACK FOR WEBSPHERE PRODUCT CENTER!

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