

WebSphere Product Center

Release Notes

Fix Pack 5.0.1.4

Note!	Before using this information and the product it supports, read the information in "Notices" at the end of this document.
31 December	r2004
	of this document applies to WebSphere Product Version, version 5.0.1.4, and to all subsequent releases ations until otherwise indicated in new editions.
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Table of Contents

1. Overvie	ew	2
1.1 Fix P	Pack requirements	2
2. Product	fix history	2
	Pack 5.0.1.4	
2.2 Fix Pa	Pack 5.0.1.3	3
2.2.1	P15414	4
2.2.2	P16097	
2.2.3	P16154	5
2.3 Fix Pa	Pack 5.0.1.2	5
3. Installat	tion	7
3.1 Prepa	paration	7
3.1.1	Stopping the whole application on the local machine	7
3.1.2	Backup	
3.1.3	Delete Tomcat working directory	8
3.2 Appl	ly Fix Pack	
3.2.1	Unpack tar file	8
3.2.2	Run WebSphere Application Server script	8
3.2.3	Verify configuration files	9
3.3 Test i	installation	
3.3.1	Start WebSphere Product Center	10
332	Check status	10

1. Overview

This document addresses product fixes and installation instructions for WebSphere Product Center Fix Pack 5.0.1.4.

1.1 Fix Pack requirements

WebSphere Product Center 5.0.1 must be installed prior to the application of Fix Pack 5.0.1.4.

2. Product fix history

2.1 Fix Pack 5.0.1.4

The major focus for 5.0.14 was to provide a number of performance improvements to improve end user experience, item retrieval, and save performance. Performance improvements include the following items:

Item	Description
Excessive calls to	The serialized form was being synchronized repeatedly with Specs even though no
syncToModel	changes were made to the Specs. Synchronization now occurs only for situations
	when the meta-data model changes.
Implement Lazy	System information about location data is currently cached when an Item is
initialization of	retrieved and only used when operations on location data are run. Loading of the
caches	cache has been made a lazy operation and only takes the hit when needed.
Lookup Table	Loading a lookup table from the cache to resolve attribute values for Nodes of type
Cache DB Calls	Lookup table runs a query to determine a timestamp each time.
	Caching has been modified to run the query only once during the processing of a
	task; hence the query will not run more than once during the rendering of a UI
	screen or running of an export.
Multiple retrieval	Item data is loaded multiple times when a user accesses the workflow multi-edit
of Items for	screen. Item data is not reloaded unless needed.
Workflow screen	
Low level	Multiple low-level optimizations to Java code were made to improve performance
optimizations	and memory usage.
Interning of	Attribute paths for data are represented as strings in scripts and are interned on each
Paths to	call to get or set an attribute. Interned paths have been cached for faster access.
EntryPaths	
Rendering	A sort is performed on the list of UI widgets that need to be notified of a UI event;
Asynchronous UI	for asynchronous events this call is not needed. The sorting overhead has been
Events	removed to improve performance and also replaced internal structure to a TreeMap
	that maintains sorted order and reduces the cost of sorting.
Batching of DB	Saving items did not use JDBC batches when inserting data to the DB. Implemented
statements for	the use of JDBC batches to reduce network traffic and improve performance of
Item Save	inserting large number of the rows to the DB.

2.2 Fix Pack 5.0.1.3

Tracking	Description
Number	
P13831	removeLocalesFromAttrGroup() fails
P14849	Faster population and validation and location-has-data
P14950	Rich Search - Can not search on unassigned items
P15125	Location Attributes - If error happens in another location hierarchy, clicking on the
	error will not bring user to the other hierarchy node
P15210	Missing operators e.g. begins with/contains for lookup table attributes for global & item-location data
P15272	userDefinedLogEntryGetTarget() fails on a category
P15305	getFlatEntryNodes() returns duplicate locale root nodes
P15316	User Setting "In Multi Edit, show all category specific attributes" gives widget error in workflow
P15351	getCatalogAttributes() does not return all the values set by setContainerProperties()
P15360	Single Edit screen – It is possible to add a new occurrence for an un-editable field
P15362	On sorting the date attributes of the Items, a server Error occurs
P15364	Lookup table item edit: exit button disappears when there is unsaved entry
P15414	Provide gzip output stream support. (Refer to Section 2.1.1. for additional details)
P15417	Defaulting the item-location hierarchy per workflow step
P15438	Search in background throws widget error in Workflow step
P15611	Second catalog get less items than the imported catalog
P15637	getLocaleNode() has the wrong prototype
P15706	Entry Preview Script made available to "**All Catalogs**" not available
P15720	Threw an exception on sorting (attribute type flag) of the results of Lookup table rich search
P15723	The user always has to press the refresh button to get the status of the checked out item/s
P15725	Sequence location attributes behave unexpectedly
P15786	Cannot see/edit location attributes in workflow or approval step
P15801	Primary hierarchy location attributes in workflow modify step
P15808	Rich Search on Relationship primary attribute type does not work for different conditions
P15833	Category restriction search (Rich Search) works only for the selected level and it's immediate child level
P15834	setInheriting() has the wrong documentation
P15835	new\$SearchSelection is not supporting getSelectionItemCount()
P15848	runBackgroundSearch() does not create a new selection
P15854	Cannot access linked item within workflow
P15865	Secondary Hierarchy does not display any nodes in the left pane when expanded
P15885	Fail to retrieve implicit objects while checking out an item into collaboration area and
	while moving item to FIXIT
P15889	Imports run out of memory if too many are run in parallel
P15959	Cannot create gaps in inheritance of grouped location attributes
P15960	Inherited, grouped multi-occurrence location attribute values cannot be displayed
P16000	Icon appear to have data when data is missing

P16002	EntryNode.throwValidationError() throws error on all locations
P16004	Pre-processing script should not retrieve data value from the database
P16015/P15724	When checkout agreements to maintenance step it hangs
P16031	UI not being refreshed in workflow step
P16034	Workflow step finishes even though there is a validation error.
P16040	Workflow engine printing spurious error message when no events to process are
	found in DB
P16041	In a workflow step if you add a new item in the step using the UI and forget to put a
	primary key value, the item will not save as expected. Put in a value for the Primary
	keys after the failed save and save again a save error occurs.
P16042	Action menu item enable even if it has no actions defined
P16048	Bad DB2 SQL noticed in logs
P16052	Issue with EntryChangedData and location ops.
P16060	The "item selection" dropdown filter doesn't work for List View of Catalog module
P16063	EntryNode::hasInheritedValue() does not work
P16064	No logging of exception in module state server
P16065	Action menu item enable even if it has no actions defined
P16079	Displaying validation errors slow in location screen
P16081	Non-persistent attribute rules for location attributes need more context
P16097	Added configuration options for running pre and postscripts for location attributes.
P16097	(Refer to section 2.1.2 for additional details.)
P16097 P16101	(Refer to section 2.1.2 for additional details.) Get moniker method failed error pops up when logged in as new user other than
	(Refer to section 2.1.2 for additional details.)
P16101	(Refer to section 2.1.2 for additional details.) Get moniker method failed error pops up when logged in as new user other than admin and causes the Left Pane to not work properly Item import to Collaboration area does not work
P16101	(Refer to section 2.1.2 for additional details.) Get moniker method failed error pops up when logged in as new user other than admin and causes the Left Pane to not work properly Item import to Collaboration area does not work Select all 150 items in multi-edit causes some out of sync
P16101	(Refer to section 2.1.2 for additional details.) Get moniker method failed error pops up when logged in as new user other than admin and causes the Left Pane to not work properly Item import to Collaboration area does not work
P16101 P16102 P16114	(Refer to section 2.1.2 for additional details.) Get moniker method failed error pops up when logged in as new user other than admin and causes the Left Pane to not work properly Item import to Collaboration area does not work Select all 150 items in multi-edit causes some out of sync Changes to Hierarchy nodes inside workflow are not reflected in the Left Pane "Double quote" fails in string enumeration entry for a spec node
P16101 P16102 P16114 P16121	(Refer to section 2.1.2 for additional details.) Get moniker method failed error pops up when logged in as new user other than admin and causes the Left Pane to not work properly Item import to Collaboration area does not work Select all 150 items in multi-edit causes some out of sync Changes to Hierarchy nodes inside workflow are not reflected in the Left Pane "Double quote" fails in string enumeration entry for a spec node Re-catagorization within workflow does not work. (Replacing hierarchy mappings)
P16101 P16102 P16114 P16121 P16125	(Refer to section 2.1.2 for additional details.) Get moniker method failed error pops up when logged in as new user other than admin and causes the Left Pane to not work properly Item import to Collaboration area does not work Select all 150 items in multi-edit causes some out of sync Changes to Hierarchy nodes inside workflow are not reflected in the Left Pane "Double quote" fails in string enumeration entry for a spec node
P16101 P16102 P16114 P16121 P16125 P16127	(Refer to section 2.1.2 for additional details.) Get moniker method failed error pops up when logged in as new user other than admin and causes the Left Pane to not work properly Item import to Collaboration area does not work Select all 150 items in multi-edit causes some out of sync Changes to Hierarchy nodes inside workflow are not reflected in the Left Pane "Double quote" fails in string enumeration entry for a spec node Re-catagorization within workflow does not work. (Replacing hierarchy mappings)
P16101 P16102 P16114 P16121 P16125 P16127 P16129	(Refer to section 2.1.2 for additional details.) Get moniker method failed error pops up when logged in as new user other than admin and causes the Left Pane to not work properly Item import to Collaboration area does not work Select all 150 items in multi-edit causes some out of sync Changes to Hierarchy nodes inside workflow are not reflected in the Left Pane "Double quote" fails in string enumeration entry for a spec node Re-catagorization within workflow does not work. (Replacing hierarchy mappings) addLocalesToAttriGroup() fails
P16101 P16102 P16114 P16121 P16125 P16127 P16129	(Refer to section 2.1.2 for additional details.) Get moniker method failed error pops up when logged in as new user other than admin and causes the Left Pane to not work properly Item import to Collaboration area does not work Select all 150 items in multi-edit causes some out of sync Changes to Hierarchy nodes inside workflow are not reflected in the Left Pane "Double quote" fails in string enumeration entry for a spec node Re-catagorization within workflow does not work. (Replacing hierarchy mappings) addLocalesToAttriGroup() fails Vague Docs for getLocationsChangedToHaveData() and getLocationsChangedToHaveNoData() Multi-edit for categories throws Java exception
P16101 P16102 P16114 P16121 P16125 P16127 P16129 P16144	(Refer to section 2.1.2 for additional details.) Get moniker method failed error pops up when logged in as new user other than admin and causes the Left Pane to not work properly Item import to Collaboration area does not work Select all 150 items in multi-edit causes some out of sync Changes to Hierarchy nodes inside workflow are not reflected in the Left Pane "Double quote" fails in string enumeration entry for a spec node Re-catagorization within workflow does not work. (Replacing hierarchy mappings) addLocalesToAttriGroup() fails Vague Docs for getLocationsChangedToHaveData() and getLocationsChangedToHaveNoData()
P16101 P16102 P16114 P16121 P16125 P16127 P16129 P16144 P16145	(Refer to section 2.1.2 for additional details.) Get moniker method failed error pops up when logged in as new user other than admin and causes the Left Pane to not work properly Item import to Collaboration area does not work Select all 150 items in multi-edit causes some out of sync Changes to Hierarchy nodes inside workflow are not reflected in the Left Pane "Double quote" fails in string enumeration entry for a spec node Re-catagorization within workflow does not work. (Replacing hierarchy mappings) addLocalesToAttriGroup() fails Vague Docs for getLocationsChangedToHaveData() and getLocationsChangedToHaveNoData() Multi-edit for categories throws Java exception
P16101 P16102 P16114 P16121 P16125 P16127 P16129 P16144 P16145 P16150	(Refer to section 2.1.2 for additional details.) Get moniker method failed error pops up when logged in as new user other than admin and causes the Left Pane to not work properly Item import to Collaboration area does not work Select all 150 items in multi-edit causes some out of sync Changes to Hierarchy nodes inside workflow are not reflected in the Left Pane "Double quote" fails in string enumeration entry for a spec node Re-catagorization within workflow does not work. (Replacing hierarchy mappings) addLocalesToAttriGroup() fails Vague Docs for getLocationsChangedToHaveData() and getLocationsChangedToHaveNoData() Multi-edit for categories throws Java exception Populate default value perf issue
P16101 P16102 P16114 P16121 P16125 P16127 P16129 P16144 P16145 P16150	(Refer to section 2.1.2 for additional details.) Get moniker method failed error pops up when logged in as new user other than admin and causes the Left Pane to not work properly Item import to Collaboration area does not work Select all 150 items in multi-edit causes some out of sync Changes to Hierarchy nodes inside workflow are not reflected in the Left Pane "Double quote" fails in string enumeration entry for a spec node Re-catagorization within workflow does not work. (Replacing hierarchy mappings) addLocalesToAttriGroup() fails Vague Docs for getLocationsChangedToHaveData() and getLocationsChangedToHaveNoData() Multi-edit for categories throws Java exception Populate default value perf issue getLocationChangedToHaveNoData() returns location even when the new entry has data Added new script operations for search templates. (Refer to Section 2.1.3 for
P16101 P16102 P16114 P16121 P16125 P16127 P16129 P16144 P16145 P16150 P16151	(Refer to section 2.1.2 for additional details.) Get moniker method failed error pops up when logged in as new user other than admin and causes the Left Pane to not work properly Item import to Collaboration area does not work Select all 150 items in multi-edit causes some out of sync Changes to Hierarchy nodes inside workflow are not reflected in the Left Pane "Double quote" fails in string enumeration entry for a spec node Re-catagorization within workflow does not work. (Replacing hierarchy mappings) addLocalesToAttriGroup() fails Vague Docs for getLocationsChangedToHaveData() and getLocationsChangedToHaveNoData() Multi-edit for categories throws Java exception Populate default value perf issue getLocationChangedToHaveNoData() returns location even when the new entry has data

2.2.1 P15414

Added support for a new element compress="yes" in the docstore_mount.xml file.

When set to "yes" anything written to the docstore will be stored gzipped (but no .gz extension is added) and the COMPRESSED attribute in the database will be set to indicate the file is

compressed. Anything other than "yes", including no compress attribute, will cause the file to remain uncompressed to preserve existing behavior.

2.2.2 P16097

Added configuration options for running pre and post-scripts for location attributes

Running pre and post-script for each location can be a performance bottleneck. Now this is configurable in common.properties:

```
#run pre script for each available location when saving an item with
location attributes
run_pre_script_for_locations=true

#run post script for each available location when saving an item
with location attributes
run_post_script_for_locations=true
```

Specifying false for any of these parameters will disable running pre or post-script for location attributes when saving an item.

2.2.3 P16154

The following script operations for use with search templates were added to the script library:

- new SearchTemplate
- getSearchTemplateByName
- getSearchTemplateName
- deleteSearchTemplate

Refer to the Script Sandbox in WebSphere Product Center for documentation on the above script operations.

2.3 Fix Pack 5.0.1.2

Tracking Number	Description
P12363	Workflow events are not processed synchronously when nested scripts are called.
P12553	Auto-refresh of Item & Item-location screen when running macro and action scripts
P13662	Refresh and Undo buttons are not disabled in Rich Search screen
P14145	Location Attribute - Relationship value does not appear after specifying relationship and clicking Save
P14239	Checking out 150 items is not working
P14694	Standalone spec attributes do not appear when the spec is added to a hierarchy
P14949	Rich Search - If the same spec is used as a location for two hierarchies, the rich search screen attributes fields are not displayed properly
P14984	Only one collaboration area appears in the checkout tooltip, even when checked out to

	multiple areas
P15123	Checked out value rule attempts to update source on save and gives error if sent to interimCheckin
P15137	An error occurs when making a location available and saving after checkout
P15221	Saving invalid location data in workflow gives error asking if you want to navigate away from the page. This is the expected behavior.
P15239	Re-creating a company does not completely wipe out the old webs service data (intermittent).
P15271	Verify obsolete inheritance-related script operations
P15275	Population of offline search results container should be exposed via scripting
P15340	Errors in pre-processing script do not prevent checkin and do not add to the fixit step
P15341	Update documentation for hasInheritedValue()
P15342	arraylist concurrent modify error occurs when closing location data popup (doing a save)
P15345	Import into collaboration area works the first time only
P15348	New items added via import to workflow disappear on checkin
P15354	Item in source is not checked out if checked in from first collaboration area to which it has been checked out.
P15363	Location Attributes - java script error occurs when making a hierarchy node "available recursive"
P15374	Please remove item.setLocationAttrib(loc,path,value) OPS
P15375	Search is sometimes case sensitive. It should always ignore case.
P15380	entry.getEntrySaveResult() only return 'MODIFIED' entries
P15381	Entry::getDisplayValue() has wrong documentation or malfunctions
P15385	In the Item-location screen, using EntryNode::throwValidationError() does not display error messages
P15406	Script compilation fails for long return types
P15415	Cannot attach a secondary spec to a category
P15418	Entering value on locale attributes thrown error:entry can not be saved, but allows the item to move to the next step
P15419	Some popup windows are not sized optimally and need to be resized by the user
P15423	getLocationsAddedAvailability throws an error for first/one added location
P15424	Item-location inheritance does not fix issue with multi-occurrences
P15425	Nested grouping attribute loses data on save in workflow
P15426	Nested global groupings adding spurious occurrences on save in workflow
P15427	saveCtgItem() from wfl out() in() script throws class cast exception
P15429	When using the override button and saving the item, the attribute data disappears
P15431	Duplicate of P15426
P15432	Sub-attributes that are not editable in a grouping lose their data in a workflow
P15434	Entries with a minimum occurrence 1 group in location attributes get sent to the fixit step on checkin
P15543	Pressing "I" button throws an exception when there is nothing to inherit
	, ,

P15544	collaboration_area, colArea, stepPath are returning NULL in Post Save script upon leaving the collaboration area
P15608	It is possible to bypass a reserve step in a hierarchy workflow using multi-edit
P15639	$is Inheriting ()/has NonInherited Value/has Inherited Value() \ are \ not \ working \ for \ Override \\ with \ Null$
P15683	Null overrides do not get saved/stored
P15711	It is not possible to create a tab view for hierarchy workflow

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 Preparation

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

3.1.1 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/qo/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 are 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.

3.1.2 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.

3.1.3 Delete Tomcat working directory

For configurations using Tomcat, delete the Tomcat working directory using the following command:

```
rm -rf $TOP/etc/default/tomcat33/webapps/trigo
```

Once the working directory has been deleted, restart the application server and apply the Fix Pack.

3.2 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

3.2.1 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
```

3.2.2 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

3.2.3 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
- \Box 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: STOP/etc/default

❖ admin_properties.xml

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

File location: STOP/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: STOP/etc/default

3.3 Test installation

3.3.1 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.

3.3.2 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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