



WebSphere Product Center Release Notes for
Fix Pack 5.3.2 FP001

Note!

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

27 July 2007

This edition of this document applies to WebSphere Product Version, Version 5.3.2 FP001, and to all subsequent releases and modifications until otherwise indicated in new editions.

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1. Overview

This document addresses product fixes, installation, and migration instructions, and other updated information for WebSphere Product Center Version 5.3.2, Fix Pack 1. Some of the enhancements in the section are described in greater detail in the section, "Enhancements".

This fix pack includes the following enhancements:

- **GUI behavior:** Lookup tables display and sort all records on any column values (WPC00031986) and each workflow step can be viewed through the item step history (WPC00031961).
- **Rich Search:** Enhanced WPC Selection Console for item and hierarchical selections that are either static or dynamic (WPC00022915).
- **Scripting:** Script access is available to category information that is in an unsaved category (WPC00031774).
- **Portal Integration:** Improvements to SOAP messaging (WPC00031560) and the WPC Portal Integration sample portlets .

2. Product fixes in the current fix pack

Tracking number	APAR	PMR	Synopsis
WPC00032048	JR26951		<p>Abstract: ITEM::SAVECTGITEM() DOESN'T VALIDATE NUMBER PRECISION. Problem: When using a precision restriction on a spec attribute, it is possible to circumvent this restriction using scripting.</p> <p>For example, if a number is restricted to 3 decimal numbers, it's not possible to exceed the number of digits in the UI.</p> <p>However, the following is possible when scripting:</p> <pre>var item = ctg.getCtgItemByPrimaryKey("test key"); item.setCtgItemAttrib("test spec/number", 1.23456); item.saveCtgItem();</pre> <p>This script will set the number attribute with 5 digits. When working with an item in the UI, this can have the effect as described in APAR JR26950. Impact to customer: If a script tries to set a number value as too precise, this will cause the script to fail.</p>
WPC00032047	JR26950	68790	<p>Abstract: ITEM STATE CHANGES TO "MODIFIED" EVEN THOUGH NO CHANGES HAVE BEEN APPLIED. Problem: In the Single Edit Screen, when switching to a different view, a different tab, or when trying to checkout an Item to a Collaboration Area, the item's state icon in the upper left corner of the single edit screen might change to the yellow "modified" icon.</p> <p>This will have the effect that the user will be presented with a warning message "You have unsaved Items / Hierarchy Nodes or work in progress" when navigating away from the item or when performing the checkout. Cause:</p> <ul style="list-style-type: none"> - A String Enumeration attribute has a value which isn't part of the String Enumeration. This can occur, if the attribute has been changed

Tracking number	APAR	PMR	Synopsis
			<p>from String to String Enumeration, or if the contents of the String Enumeration have been changed.</p> <ul style="list-style-type: none"> - A String attribute contains line break characters inserted via scripting (for example, item.setCtgItemAttrib("spec/test_attr", "test\ntest1");) - If a stored number attribute has a different precision than the spec would allow.
WPC00032035	JR26938	66557	<p>Abstract: HTTP FAILED" ERROR IN CATEGORY PICKER WHEN DISPLAYING CATEGORY WHERE CATEGORY DISPLAY NAME CONTAINS 2 CONSECUTIVE SPACES</p> <p>Problem: While navigating through the category picker (which is opened when Adding or Replacing Hierarchy Mappings) an error occurs, "Http failed". This error is encountered, when the next to be displayed category has a display name which contains 2 consecutive blanks.</p> <p>Cause: Runs of spaces were being incorrectly escaped in the XML HTTP response.</p> <p>Solution: The code has been updated to correct the problem.</p> <p>Impact to customer: Customer will be able to use the category picker as intended.</p>
WPC00032031	JR26914	32962	<p>Abstract: WHEN A USER IS ASSIGNED TO TWO ROLES, IT SEEMS TO TAKE JUST ONE ROLE'S PRIVILEGES.</p> <p>Problem: When a user is assigned to multiple roles, the catalog access privileges of the roles are not added up. So the user does not have the privileges of all the roles. This problem occurs when using Oracle or DB2. It occurs on a Windows or AIX platform.</p> <p>Solution: The catalog access privileges are added up for multiple roles. The highest privilege (write) from the multiple roles is given to the user.</p> <p>Impact to customer: When a user with multiple roles logs into WPC, they have the highest (write) privilege.</p>
WPC00032009	JR26867	31520	<p>Abstract: ISNODEINDEXED() THROWS ERROR ON IMMUTABLE SPECS</p> <p>Problem: When Script Operation IsNodeIndexed() is called on nodes of immutable spec, ClassCastException is thrown.</p> <p>Solution: Code fix provided to let the scriptOp IsNodeIndexed() to be called also on immutable nodes as it does not change any value.</p>
WPC00032008	JR26866	31361	<p>Abstract: CONCURRENT MODIFICATION EXCEPTION</p> <p>Problem: After the resultSet.next() is called the expected behavior is to have a set of data being retrieved. The problem arises when one of the selected items is deleted. The resultSet.next() throw an exception instead of returning null. This causes the whole process to fail.</p>
WPC00031961	N/A	N/A	<p>Abstract: Re-enable 5.2.1 behavior to display workflow item differences in GUI and retrieval of this information via getColAreaHistoryEventAttribute("ENTRY_DIFFERENCES")</p> <p>Problem:</p> <p>a) Customer reported problem: "Item Differences/ History Screen" in 5.3.x no longer shows the exit values for each step (Item step history section) and that this info is no longer available in db tables as compared to 5.2.1.</p> <p>Steps to reproduce:</p> <p>create workflow with several steps check out items to workflow and progress them partially through workflow</p>

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			<p>open item in workflow and then click in the upper left corner the "Item Differences/ History Screen" button. the history icon doesn't appear next to the SaveEntry steps</p> <p>b) Actual problem Due to some architectural changes this functionality was not implemented in 5.3.x. The workflow history events were being logged but without the xml that described the changes made to the item in that event. This problem occurred on all platforms.</p> <p>Solution: Since 5.3.2 also has location attributes and the scenario of additions and deletions of attributes was not being handled properly in 5.2.1, the solution for this problem is going to be delivered in two steps. In first step (in 5.3.2 FP001) only the 5.2.1 functionality will be restored to satisfy the customer needs. Later (beyond 5.3.2 FP001) the additional information will also be saved as a part of the XML document in the workflow history table. The solution in the second step will be delivered in a later fix pack. The format of the old XML document in 5.2.1 is as below</p> <pre data-bbox="651 751 1289 951"><EntryDifferencesXML> <Node> <Path> abc/xyz </Path> <OldValue> some old value before saving</OldValue> <NewValue> the new value after saving</NewValue> </Node> </EntryDifferencesXML></pre> <p>The new format of the XML document after the second step fix will be as below</p> <pre data-bbox="651 1045 1289 1898"><EntryDifferencesXML> <Node> <Path> abc/xyz </Path> <OldValue> some old value before saving</OldValue> <NewValue> the new value after saving</NewValue> </Node> <AddedNode> <Path> abc/xyz </Path> <OldValue> some old value before saving</OldValue> <NewValue> the new value after saving</NewValue> </AddedNode> <DeletedNode> <Path> abc/xyz </Path> <OldValue> some old value before saving</OldValue> <NewValue> the new value after saving</NewValue> </DeletedNode> <Location> <CategoryTree>CTName</CategoryTree> <CategoryPk>CatPrimaryKey</CategoryPk> <LocationNode> <Path> abc/xyz </Path> <OldValue> some old value before saving</OldValue> <NewValue> the new value after saving</NewValue> </LocationNode> <AddedLocationNode> <Path> abc/xyz </Path> <OldValue> some old value before saving</OldValue> <NewValue> the new value after saving</NewValue> </AddedLocationNode> <DeletedLocationNode></pre>

Tracking number	APAR	PMR	Synopsis
			<pre data-bbox="651 264 1289 432"><Path> abc/xyz </Path> <OldValue> some old value before saving</OldValue> <NewValue> the new value after saving</NewValue> </DeletedLocationNode> </Location> </EntryDifferencesXML></pre> <p data-bbox="646 464 1495 579">Customer impact: Currently, there is no impact as the functionality from 5.2.1 is being restored. After delivering the second step (in a future fix pack) the customer may have to rewrite any WPC scripts that used to parse this XML information to take advantage of the new structure of the XML.</p>
WPC00031995	JR26845	68183	<p data-bbox="646 642 1495 722">Abstract: RUNNING "NEW CTGITEM()" ON A LOOKUPTABLE WITH THE SAME ATTRIBUTEVALUES TWICE CAUSES ERROR "COULD NOT RELEASELOCKS FOR THREAD"</p> <p data-bbox="646 728 1495 869">Problem: When inserting data into a look up table by using the function new CtgItem(), it fails with the error "Could not release Locks For Thread". This error occurs for scripts run from within the sand script box or as a hierarchy import script. If this function is used in the context of a catalog import script, it does not cause a problem.</p>
WPC00032039	JR26502	01506	<p data-bbox="646 905 1192 930">Abstract: Cannot create Group attribute in a spec</p> <p data-bbox="646 936 1446 989">Problem: When a child node is added to a group node, an error occurs as "Invalid attempt to add child. Only groupings or localized can add children"</p>
WPC00031886	JR26502	01506	<p data-bbox="646 1020 1446 1073">Abstract: ATTRIBUTE ORDER IN TAB VIEW AND NON-TABBED VIEW ARE DIFFERENT IN WPC 5.3.2</p> <p data-bbox="646 1079 997 1104">Problem: Working as designed.</p> <p data-bbox="646 1136 1495 1251">Impact to customer: This behavior in WPC 5.3.2 is working as designed even though it is different from earlier versions. Attribute collections are ordered group of attributes and are defined in WPC. The way they are ordered is as follows:</p> <ol data-bbox="646 1278 1487 1394" style="list-style-type: none"> <li data-bbox="646 1278 1487 1331">1. In tab view: The order of attributes reflects the order of attributes in the underlying catalog specifications. <li data-bbox="646 1337 1487 1394">2. In non-tab view: The order of attributes reflects the order of underlying "attribute collections". <p data-bbox="646 1425 1495 1478">Please note: In WPC 5.3.1 and earlier versions, the tab-view as well as non-tab view ordering of attributes is same, which reflects the spec ordering.</p>
WPC00031839	JR26340	01290	<p data-bbox="646 1514 1463 1566">Abstract: IT IS NOT POSSIBLE TO UPLOAD LARGE FILES TO WPC – USING BROWSER UPLOAD OR IMPORT ENVIRONMENT.</p> <p data-bbox="646 1572 1495 1740">Problem: Customers report during migration that they could not upload large files into WPC using the browser upload feature; neither through a normal import or through the import environment feature. The problem occurred because they were trying to upload an exported environment that was very large due to the size of the document store (DocStore). When they attempted to upload the file, they were confronted with a java.lang.OutOfMemoryError.</p> <p data-bbox="646 1747 1495 1824">Solution: WPC implemented a change to reduce the amount of "copies" of the data held in memory, to free up more memory thus allowing larger files to be uploaded.</p> <p data-bbox="646 1831 1495 1883">Impact to customer: The customer can work around this issue by importing things in a number of smaller chunks, rather than all at once. This can be done</p>

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			by selectively choosing what to export in the first place. If the customer tries to upload a file that is too large, this issue *will* still occur.
WPC00031917	JR26587	68671	<p>Abstract: SCHEMA MIGRATION TO 5.3.2 MIGHT FAIL WITH "ORA-01555: SNAPSHOT TOO OLD" DUE TO LONG TRANSACTION</p> <p>Problem: When migrating prior releases of WPC installations to 5.3.2, schema changes and database updates have to be applied by running migrate531to532.sh script. When the existing installation contains large volumes of data, the migration of some data might fail due to error:</p> <p>"ORA-01555: snapshot too old: rollback segment number 8 with name "_SYSSMU8\$" too small"</p>
WPC00031988	JR26776	00538	<p>Abstract: EXCEPTION WHEN USING MULTI-OCCURANCE NODES IN REPORT INPUT SPECS</p> <p>Problem: When a multi-occurrence node is defined in the report input spec and the user goes to the screen to input the node values, customers were presented with a blank screen. In addition, when a grouping node was defined in the report input spec and the user attempted to the same screen, they were informed that a server error had occurred and logged out of WPC.</p>
WPC00032001	JR26857	60259	<p>Abstract: JAVA RUNTIME EXCEPTION OCCURS WHEN CHECKING IN AN ITEM INTO A WORKFLOW: "HAD TO TRUNCATE STRING TO INSERT INTO DB VARCHAR2 "</p> <p>Problem: When checking an Item into a workflow the customer receives the following exception in the workflow engine default logs:</p> <p>2007-06-14 10:38:12,219 [WorkflowEventProcessorEventId3387] WARNcom.ibm.ccd.common.util.StringUtils - Had to truncate string to insert into db varchar2 of length: 300 Length of string:385</p> <p>Solution: STATUS column in tctg_itm_item table will be kept empty instead of copying COLLAB_INFO data to the STATUS column</p>
WPC00031672	JR26033	01087	<p>Abstract: GLOBALIZATION BUG: WHEN SYSTEM SET TO KOREAN TIMEZONE, ERROR SHOWING LOOKUPTABLES WITH DATE FIELDS.</p> <p>Problem: The "Browse Lookup Table" function in the Item Edit Screen is not working.</p> <p>Cause: While adding the date to Lookup Tables the date object was being converted to a date string which had a three-character time zone in it. This three-character time zone is not unique. For example CST is used for both china and central time zone for US. So while retrieving the date object back from the string the system was unable to parse the string correctly.</p> <p>Solution: Changed the format of the date string before adding it to the lookup tables so that it has no time zone. To obtain the date object from the string the default system time zone will be used.</p>
WPC00031697 WPC00031922	JR26065	74813	<p>Abstract: WHEN MIGRATING FROM 5.2.1.X TO 5.3.X, THERE IS A GENERAL LOSS OF MANY ADVANCED SELECTIONS FUNCTIONALITIES VS DYNAMICE SELECTION</p> <p>Problem: When creating an export, customers do not see the dynamic selections in the drop down selections and the getSelectionByName() does not return DynamicSelection object when the selection is a dynamic selection. In addition, dynamic selections could not be exported or imported.</p> <p>Cause: The drop-down of selections had been set to only display static</p>

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			<p>selections. Import and export of dynamic selections was not implemented. Solution: The drop-down of selections now displays all selections. Import and export of dynamic selections has been implemented. Impact to customers: Customers are now able to import and export dynamic selections. The XML syntax is the same as for 5.2.1, except that the <RuleString></RuleString> tags should define a WQL query representing the dynamic selection, rather than a WPC scriptlet.</p>
WPC00031933	JR26609	73200	<p>Abstract: ALTGR><SPECIFIC LETTER> KEY COMBINATIONS TRIGGER WPC SHORTCUTS,ALTHOUGH THESE ARE NEEDED TO ENTER LANGUAGE SPECIFIC CHARACTER</p> <p>Cause: This is an issue with Microsoft Windows. The shortcuts were intended to be triggered by Ctrl+Alt, but this key combination was deliberately made equivalent to Alt Gr for the benefit of those whose keyboards do not have an Alt Gr key.</p> <p>Solution: The modifier keys used to trigger shortcuts are now configurable by the System Administrator, in common.properties. There are three new parameters in this file as follows:</p> <ul style="list-style-type: none"> - use_ctrl_in_shortcuts can be true or false, default is true. If true, shortcuts will be triggered if and only if Ctrl is pressed; if false, shortcuts will be triggered if and only if Ctrl is not pressed. - use_alt_in_shortcuts can be true or false, default is true. If true, shortcuts will be triggered if and only if Alt is pressed; if false, shortcuts will be triggered if and only if Alt is not pressed. - use_shift_in_shortcuts can be true or false, default is false. If true, shortcuts will be triggered if and only if Shift is pressed; if false, shortcuts will be triggered if and only if Shift is not pressed. <p>Impact to customers: The default settings will cause shortcuts to be triggered by Ctrl+Alt, the same key combination that was previously hard coded, for backwards compatibility.</p> <p>However, Microsoft Windows Ctrl+Alt is equivalent to Alt-Gr. If a language uses Alt-Gr for some characters (such as Polish, where it is used for several accented characters), then the default settings should be changed in order to avoid the shortcuts being triggered by typing these characters. In these cases, the recommended settings are either:</p> <pre>use_ctrl_in_shortcuts=true use_alt_in_shortcuts=false use_shift_in_shortcuts=true</pre> <p>which will use Ctrl+Shift to trigger the shortcuts, or:</p> <pre>use_ctrl_in_shortcuts=false use_alt_in_shortcuts=true use_shift_in_shortcuts=true</pre> <p>which will use Alt+Shift to trigger the shortcuts.</p> <p>It is strongly recommended that the System Administrator not set all three of these settings to false, since this will result in the shortcuts being triggered by normal typing. Also, using Shift only will cause the shortcuts to be triggered by</p>

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			<p>typing an uppercase letter.</p> <p>The System Administrator should also note that these settings are also not recommended:</p> <ol style="list-style-type: none"> 1. Using Ctrl only will cause a conflict between the WPC shortcut for Checkout and the Windows shortcut for Copy (Ctrl+C) 2. Using Alt only will cause a conflict between the WPC shortcut for Add and the Internet Explorer shortcut for the Favorites menu (Alt+A). <p>Finally, if a language which uses Alt-Gr+Shift for some characters is in use, then all three settings should not be set to true, since Ctrl+Alt+Shift is equivalent to Alt-Gr+Shift.</p>
WPC00031746	JR26165	67165	<p>Abstract: The script operation getSourceEntrySetForRelatedEntries() is not working as expected.</p> <p>Problem: The script operation getSourceEntrySetForRelatedEntries() is used to get all entries which are related to the given entry. The Script operation is returning a non-empty entryset even when no entries are related to the given entry. This happens because the previous query used in the script operation was not properly checking the entry-entry map table for any existing relationships.</p> <p>Solution: The solution is to make sure that the script operation getSourceEntrySetForRelatedEntries() returns non-empty entryset only if the given entry is related to at least one other entry. This is made possible by modifying the query used in the script operation so that entry-entry map table is checked for the given item.</p>
WPC00031780	JR26231	01222	<p>Abstract: BINARY ATTRIBUTE HAVE A PROBLEM DOWNLOADING AND UPLOADING FILES THAT HAVE MORE THAN ONE SPACE OR "+" IN THE FILE NAME</p> <p>Problem: If a customer uploads a file to a binary attribute, the file can't always be uploaded and downloaded correctly. The file name itself makes the behavior different. The following conditions dictate the behavior:</p> <ol style="list-style-type: none"> 1. If there are spaces in the file name, the spaces get replaced by a "+". 2. If the files have 2 or more consecutive spaces, the files cannot be downloaded 3. If the files have a "+" character in the original name, the files cannot be uploaded and saved.
WPC00031792	JR26248	74878	<p>Abstract: ERROR POPUP WINDOW DOESN'T NAVIGATE TO THE CORRECT ERROR OCCUREN</p> <p>Problem: The error popup window doesn't navigate to the occurrence of the attribute within a group but instead always stays at the first page.</p>
WPC00031816	JR24438	00351	<p>Abstract: DEPENDING FROM WHERE YOU DECIDE TO EDIT LKP TBLE ATTRS IN SEC SPC, THE DROP DOWN MENU OF LOOKUP TABLE LIST IS NOT CONSISTENT</p> <p>Problem: The problem was with the order in which the screens are called. If the detail view is selected first and then the customer uses Edit screen, the drop down menu of lookup table list is not consistent and it doesn't show the actual</p>

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			<p>Lookup Table Name mapped to the lookup table attribute. Impact to customer: The customer should note that this problem is in the Lookup Table dropdown detail view in the spec and edit screen thereafter. The customer wouldn't be able to see the lookup table which is mapped to the corresponding lookup table attribute.</p>
WPC00031823	JR26337	01330	<p>Abstract: UPDATE_SEQUENCE_BATCH_SIZE.SH -NEWBATCHSIZE=1" COMMAND DOESN'T WORK CORRECTLY FOR ORACLE DATABASE Problem : update_sequence_batch_size.sh -newbatchsize=1" command results in sequence to have "Last Value" as "-198" or other abnormal numbers in oracle. The command works fine in db2. Solution: Code fix done to drop and recreate the sequences rather than altering them.</p>
WPC00031841	JR26341	65211	<p>Abstract: MIGRATING DATASOURCES VIA ENV IMPORT AND ENV EXPORT FUNCTIONALITY FROM 5.3 TO 5.3.2 FAILS. Problem: When customers run the import job for migrating data sources in 5.3.2, they get the following error in the log:</p> <p style="padding-left: 40px;">[sch_worker_0] ERROR com.ibm.ccd.common.error.AustinException JOB_ID:202- Error finding node: Action, Exception:Error finding node</p> <p>Cause: During the import in 5.3.2, WPC was looking for that ACTION element and is not finding it because the EXPORT job in 5.3.0 did not generate an XML with ACTION element for each DATASOURCE.</p>
WPC00031865	JR26410	68006	<p>Abstract: THE DEFAULT SCRIPTS WILL NOT BE IMPORTED DURING THE MIGRATION FROM 5.3.1 TO 5.3.2. Problem: During the migration from 5.3.1 to 5.3.2, customers need to run the script migrate531to532.sh. But some default scripts will not be imported during the migration. You can recognize that the scripts are not available when you click on "GenerateReport" located on the multi edit item page. The drop down box contains no scripts and usually customers can select the "Default Rich Search Results Report Script". Cause: The migration script migrate531to532.sh was not uploading the default rich search result report scripts. As a result, after the migration, when the 'generate report" was clicked on the multi-edit page in the 5.3.2 instance, the drop-down did not contain the "Default Rich Search Results Report Script". Solution: The migrate531to532.sh script has been modified to enable the upload of the "Default Rich Search Results Report Script". Impact to customer: When the migrate5301to532.sh script is executed, we get an option of running the migrateRichSearch as a first option. But after this fix, this option is removed from the list since it has dependencies and hence cannot be run independently. The other options' messages have not been changed so that it does not impact PII.</p>
WPC00031872	JR26427	46669	<p>Abstract: WHEN YOU USE THE CUSTOM_PAGE.JSP TO RENDER A CUSTOM TOOL AND SETTHE LOCALE TO NULL IN THE URL, YOU CAN NOT LOG IN AGAIN. Impact to customer: It is possible to render a custom tool with the custom_page.jsp. Customers can add parameters to the URL of the page, and to the parameter locale (&locale=?). To do this, set the locale to null and execute the custom tool which will allow updates to the database. The locale-</p>

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			value in the table must be set to the string null. Once these are set, log in with the user (which executed the custom tool) and then log out.
WPC00031892	JR26538	68233	<p>Abstract: COPY DOWN" ARROW NOT SHOWN IN MULTI-EDIT SCREEN IF "ROWS IN TEXTAREA" SETTING IS SET TOO HIGH</p> <p>Problem: If "Rows in textarea" in the "My Settings" console is set to a value > 3, then the copy down arrow in the Multi Edit Screen will disappear.</p>
WPC00031894	JR26533	68087	<p>Abstract: ARRAYINDEXOUTOFBOUNDSEXCEPTION: -2147482648 THROWN WHEN VIEWING ITEMS IN MULTIEDIT SCREEN</p> <p>Problem: An exception occurs when customers try to view items in the Multi Edit screen and results in an inability to create a Group attribute in a spec.</p>
WPC00031946	JR26660	68706	<p>Abstract: JAVA EXCEPTION ON SINGLE EDIT PAGE WHEN USER SETTING LOCALE IS "FRENCH" AND LOCALE OF CATALOG SPEC IS "DUTCH" AND "ENGLISH"</p> <p>Problem: A Java exception on single edit page occurs when the user setting locale is "French" and locale of catalog spec is "Dutch" and "English"</p> <p>Impact to customer: Check to see if the locale is null and then proceed with displaying the specific locale node. The customer should note that this problem occurs only when the current locale in the user settings is not included in the spec for the item.</p>
WPC00031948	JR26678	01797	<p>Abstract: IF THE SAME FILENAMES ARE UPLOADED BY DIFFERENT USERS IN THE BINARY ATTRIBUTES, THE EARLIER FILE IS OVERWRITTEN BY NEW ONE</p> <p>Cause: This was an oversight in the original design, and a flat file structure had been implemented, with all files stored in the same directory.</p> <p>Solution: Add the option to store files in subdirectories whose names are based upon the time the file was uploaded.</p> <p>Impact to customer: There is a new entry in common.properties, called allow_multiple_files_with_same_name, which can take values of true or false.</p> <ul style="list-style-type: none"> - If it is set to false, then files for Binary, Image and Thumbnail Image data types will be stored, as before, in the ctg_files subdirectory of the suppliers' base. - If a file is uploaded with the same name as an existing file, the existing file will be overwritten. - If the property is set to true, then files will be stored in subdirectories within ctg_files, whose names will be timestamps in milliseconds since January 1 1970. - The path relative to ctg_files where the file is stored will be visible in the field. <p>If a category or item is versioned, and a new file with the same name as the old one is uploaded after a version is created, the old version will continue to point to the old file if this feature is being used. Also, in Rich Search, a search for Equal To (filename) will not return any results, as the fields will be (some timestamp)/(filename). Instead, the user should search for Ends With (filename).</p>
WPC00031957	JR23761	61166	<p>Abstract: WFL, CANNOT VIEW ITEM CATEGORY ATTRIBUTES</p> <p>Problem: Secondary specs which were applied only to a specific catalog were not displayed in collaboration area when the item in that catalog was checked</p>

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			<p>out.</p> <p>Solution: When displaying the checked out item in the collaboration area, the secondary specs are now searched for the original item in the source catalog rather than in the collaboration area. The collaboration area and the cloned items in it did not have information on secondary specs for the source catalog.</p>
WPC00031981	JR26773	68295	<p>Abstract: PROBLEM: VALUES NOT APPLIED IN MULTI EDIT CRITICAL,08/06 GOLIVE.</p> <p>Problem: In Multi Edit screen when customers, for example, select display products 12 to 35, and then select all the lines of items and adds a value to the string attribute which populates all the selected lines from the top box and subsequently clicks Save, they lose some of the values on the top lines and then the screen is constantly refreshed.</p>
WPC00032069	JR26998	77912	<p>Abstract: GENERATE REPORT EXCEPTION WIDGET ERROR WITH ATTRIBUTE GROUP OF MIN OCCURRENCE 1 (NONE 0) AND MAX OCCURRENCE 1.</p> <p>Problem: Typical scenario: Customers create a catalog with a spec having a grouping type of an attribute with the Max and Min Occurrence set to 1 and then add some items to the catalog view in the Multi Edit screen. After clicking 'Generate Report' on the Multi Edit page a Java error occurs.</p>
WPC00031958	JR26720	34307	<p>Abstract: ITA_OCCURANCE_ID COLUMN POPULATED WITH -1 DURING MIGRATION TO 5.3.2, SHOULD BE UNIQUE FOR EACH MULTIOCCURRING ATTRIBUTE</p> <p>Problem: During the migration process from 5.3.0 (or 5.3.1) to 5.3.1, column ita_occurrence_id will be added to table and will be populated with a value of -1. This column should identify each multioccurring group or attribute with a unique value. When running WPC specific health checking tools, such multioccurring attributes incorrectly might be detected as duplicate rows.</p> <p>See the section in these release notes, "Database schema modifications" for more information.</p>
WPC00031824	JR26317	22363	<p>Abstract: TIMING ISSUE WHEN UPLOADING DOCUMENTS VIA A BINARY ATTRIBUTE TYPE.</p> <p>Problem: The document store (DocStore) is not getting updated with the file that's been uploaded through the binary attribute field in a spec soon enough, to be used in a Validation rule for that attribute. And hence we get a Null pointer exception when the validation is done on that attribute.</p> <p>Solution: An optional Boolean parameter forcesync has been added to the ScriptOP getDocByPath(), which will allow the file to be immediately available in the document store (DocStore) if the file exists in the file system.</p> <p>Impact to customer: Customer can continue with the usual implementation of the scriptoperation getDocByPath. The forcesync boolean should be set to true only when you need to have the file synced to the document store (DocStore) immediately.</p>
WPC00031561	N/A	N/A	<p>Abstract: DynamicSelection.java initQueryObject method needs to be optimized. Performance optimization.</p> <p>Problem: This method loads the whole Item object even though only Item Id (internal id used in DB) is sufficient. This problem occurs on all platforms.</p>
WPC00031060	JR25604	45105	<p>Abstract: WPC business portlet loses attribute column order, when retrieving from the portlet parameters, the stored index is not taken into account.</p> <p>Problem: In the business portlet for the item list, the attributes can be displayed and the sequence can be selected. This information is stored in the</p>

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			portlet parameters (for example, attr path and list index tuples). The selection is kept beyond the session life, the sequence gets lost, though, when the parameter is retrieved and processed (or there is more than one workflow and the workflow is switched).
WPC00031522	JR25889	60082	<p>Abstract: The date search couldn't work as expected</p> <p>Problem: Date rounding failed in at least one case for whole day rounding in GMT time zone (Windows seemed to think that BST was in effect). Also, some unit tests failed because they assumed they are run in PST time zone.</p> <p>CAUSE: Incompatibility between Windows and Java date handling (using Date class).</p> <p>Solution: Use a different (but less flexible) rounding method based on Calendar class. Fix unit tests by determining the time zone symbol on the fly.</p>
WPC00031611	N/A	N/A	<p>Abstract: Remove obsolete option "max_number_items_for_realtime_search" from common.properties.default</p> <p>Problem: We removed the obsolete option "max_number_items_for_realtime_search" from common.properties.default since it is no longer used by WPC Rich Search can cause confusion to user.</p>
WPC00031605	N/A	N/A	<p>Abstract: LOOKUP("PORTAL_CONFIG","PATHSEPERATOR") CACHE IS NOT USED</p> <p>Problem: While calling lookup script operation with (lookup table name, lookup table entry key)/ lookup (string,string) script operation there were few SQL queries being executed. And since this lookup script is being invoked more frequently the queries executed at the backend becomes significant and causes performance issue.</p>
WPC00031617	JR25926	00774	<p>Abstract: ADD DATE COLUMN TO PPI, PSI, PSD, PPR TABLES</p> <p>Problem: Performance problems were being reported due to a large amount of data in some of the WPC tables (for example, ppi,psi,psd,ppr tables). These tables didn't contain the Date Column which can be used for removing old data from these tables.</p> <p>Impact to customer: The new date columns get added to the respective tables automatically when a new schema is created. For the existing schemas, the customer should run the migration scripts "add_date_column.sql#1" in Oracle and "add_date_column.sql#2" in DB2 as per their environments.</p>
WPC00031619	JR25928	36633	<p>Abstract: CGTL - DataExportToCommerce skips Merch Assoc entries</p> <p>Problem: The Report to transfer data from WPC to WCS may skip some merchandising association records. When a product has multiple "Product" type merchandising associations, which contain multiple SKUs, a loop counter variable may be reinitialized incorrectly, and therefore miss to export some of the associations. This occurs in all environments.</p> <p>Solution: This is because the buildCatalogEntries() script uses a for-loop which doesn't re-declare its counter variable and therefore uses the existing variable "i" on the calling stack.</p> <p>Impact to customer: When a product has multiple "Product" type merchandising associations, which contain multiple SKUs, the export misses some of the associations.</p>
WPC00031621	JR25925	01034	<p>Abstract: Mishandling of the error due to failure of InvokeSoapServerForDocLit()</p> <p>Problem: If a user ID which is not valid is passed to InvokeSoapServerForDocLit() it throws a null instead of throwing a valid error message. Error message "No WPC user found for username 'Admi'" appears while invoking a Web Service. The invoked script using a user 'Admi' who does not exit.</p>

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			Impact to customer: If InvokeSoapServerForDocLit() is used with invalid username, then the error is displayed instead of a null.
WPC00031625	N/A	N/A	Abstract: Splitter Web Service naming and other error Problem: WPC introduced the splieeitng Web Service in order to improve performance for Portal Integration. The name used for WPC script was not the same as what was expected on the Portal side and caused an error.
WPC00031658	N/A	N/A	Abstract: Migration script from 531TF2 , 532 bigint version of DB to corresponding integer version of DB. Problem: The migration path from 5.3.x to 5.3.2 is missing "bigint to integer version" in WPC Version 5.3.2. Solution: Provided the migration paths and allowing the new paths for migration.
WPC00031857	N/A	N/A	Abstract: Dynamic selection can not save the new query string which created by setDynamicSelectionQueryString(). Problem: The setDynamicSelectionQueryString() script operation modifies the query string of the dynamic selection, but does not initialize the dynamic selection query object. As a result, the items returned by execution of the modified query is the same as the items returned by the query before the modification. This exception occurs for both Oracle as well as DB2. The exception would occur on both Windows and AIX. Solution: After setting a new query, the dynamic selection query object would be initialized. This will ensure that the subsequent calls to fetch items or item set for the dynamic selection object will retrieve the items with the modified query. Impact to customer: The dynamic selection object will be initialized after the query string is modified. So the script used to recreate the issue will run as expected.
WPC00031944	N/A	N/A	Abstract: Create a hierarchy mapping from 'hierarchy 2' to 'hierarchy 1' after created 'hierarchy 1' to 'hierarchy 2', there is A Server Error Occurred. Problem: If there already exists a mapping from hierarchy1 to hierarchy2, then while creating a hierarchy mapping from hierarchy2 to hierarchy1 in the hierarchy mapping console, the dropdown should not contain the hierarchy1. But it constrained hierarchy1 and if we select it, it gives the server error. This problem occurs for DB2 only. It works fine for Oracle where the hierarchy1 will not be displayed in the dropdown. Solution: Whenever there exists a mapping from hierarchy1 to hierarchy2, creating a hierarchy mapping from hierarchy2 to hierarchy1 will not be possible. The dropdown will not contain the hierarchy1. Impact to customer: The Server error will not occur since hierarchy1 is not displayed in the dropdown.
WPC00031964	N/A	N/A	Abstract: Can't create a product under a category in Master catalog. Problem: When a new product is created under in the master catalog using the WCCatentryCtg script, it cannot be saved and results in the following validation error, "The following validation for attribute 'CatalogEntryType' failed: Validation Rule Error Message is: Type can't be changed. Solution: The script WCCatentryCtg was using item.getOriginalItem() script operation which returned a null instead of valid object. This script operation is deprecated. Impact to customer: Customer can create Products & SKUs without any

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			errors.
WPC00032080	N/A	N/A	Abstract: Can not create a Merchandising association for a product item. Problem: Customers cannot create a Merchandising association since a deprecated script operation, getEntryRelatedItemInfo() was being used. Solution: Replaced the deprecated script operation with getEntryRelationshipAttrib()
WPC00031910	N/A	N/A	Abstract: Message box Page can not lock the Mouse to move, and then all UI and WPC instance fail. Problem: From "Selection" preview UI, select one or more items and click "Move items into category or multiple categories in the selected hierarchy..." button. In the following page of the UI, after you click Save and click outside of the page, WPC times out. Cause: This appears to be a problem with Internet Explorer and not a bug in WPC. The dialog is displayed using the standard JavaScript confirm function. This produces a modal dialog box, and if called from the main window, does not permit the user to move focus back to the main browser window without clicking OK or Cancel. However, if called from a WPC popup dialog, this is not the case. It appears as though WPC is timed out because of the presence of a modal dialog which prevents the user from doing anything without first clearing the dialog. Impact to customer: Customers can continue using this Page UI but do not click outside of the page.
WPC00032071	N/A	N/A	Abstract: The product can not be previewed from WPC. Problem: Customers who want to view the commerce store pages receive the pop-up error message, "Generic Error, The store is currently experiencing problems. Try again later "
WPC00031795	JR26216	01356	Abstract: ITEM RENDERING ERROR WITH MULTI OCCURRING GROUP TYPE Problem: A rendering error occurs when a user attempts to add a lookup table to an attribute group when creating categories. At first, when the "+" is clicked, it appears to do nothing, and when it's clicked again, a rendering error occurs. This only happens in a tabbed view, where any tab but the first has the multi-occurring group.
WPC00031845	JR26332	81443	Abstract: THE METHOD LOOKUP(STRING SLKP, STRING SKEY) DOES NOT RETURN THE VALUES ADDED TO THE LOOKUP TABLE. Problem: When lookup (String lkp, String sKey) is called for first time, it loads from the database and on each concurrent load, it gets information from cache, so it does not contain currently added records. The method lookup(LookupTable lkp, String sKey) retrieves the lookup object only from the database on every call. Impact to customer: Use lookup (LookupTable lkp,...) to get all the entries added in the current context as it fetches from the database on each call.
WPC00031671	JR26027	39691	Abstract: CANNOT USE COMMAS IN DEFINING ATTRIBUTE ENUM VALUES Problem: When customers create a product in the WCCatentryCtg and added enum values, containing the character ','(comma), to defining attributes, they do not get expected values at the SKU for the defining attributes. For example, suppose the user added "1", "2" and "3" as enum values for defining attributes to a product, then, SKUs corresponding to that product had values "1", "2" and "3" as options for defining attribute's value. However, if the user added "1,2", "3,4" and "5,67" as enum values, the SKU had the following values:"1", "2", "3",

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			<p>"4", "5" and "67" as options for defining attribute's value, the expected options being "1,2", "3,4" and "5,67".</p> <p>Solution: Added a lookup key value pair to WCConfigLkpTbl lookup table, the key being "WC1_DELIMITER". The customer needs to provide a value to this key, such that the value is a character which will not be used in any of the enum values given to a defining attribute of a product. Internally, this value will be used to concatenate all the enum values given to a defining attribute, and to split the concatenated string.</p> <p>Impact to customer: The customer has to give a value to the key "WC1_DELIMITER" in WCConfigLkpTbl, such that the value is a character which will not be used in any of the enum values assigned to defining attributes of a product.</p>
WPC00031708	JR26091	80560	<p>Abstract: CONNECTION HANDLES NOT CLOSED AT EXECUTEQUERY AND EXECUTEUPDATE</p> <p>Problem: When executing executeUpdate() and executeQuery() within one connection multiple times, an exception will be thrown after a specific amount of iterations, depending on the database(oracle/db2) which is used in the background.</p>
WPC00031787	JR26237	47198	<p>Abstract: INTERNAL CODES INSTEAD OF REAL VALUES FOR LKP ATTR. DISPLAYED.</p> <p>Problem: From the Collaboration area console after you click the yellow button at the top of the screen, it shows only the internal code when the expected behavior is to display the real values for LKP attributes. In other words, the internal code is not converted to the real values of the LKP Attribute. This problem affects both Oracle and DB2 and all operating systems.</p> <p>The steps to reproduce this problem are as follows:</p> <ul style="list-style-type: none"> - create a spec (with a LKP attribute), hierarchy and catalog - create a workflow with a step "modify" - create a collaboration area - go to collaboration area console, click step details "modify" and see the item view - click the yellow button at the top of the screen and view a Web Page Dialog which lists the internal codes instead of real values for LKP attribute. <p>Impact to customer: The customer should note that this problem is in the display of the Web Page Dialog where the internal codes of Lookup Table Attribute is displayed instead of the real value.</p>
WPC00031874	JR26430	00523	<p>Abstract: GETMODIFIEDATTRIBUTEPATHSNEWENTRY" DOES NOT RETURN ATTRIBUTE PATH.</p> <p>Problem: When a new item is added to a catalog, the script operation getModifiedAttributePathsNewEntry() called on the EntryChangedData object does not return attribute paths. This script operation, however works when a new category is added.</p>
WPC00031880	JR26457	82781	<p>Abstract: INSTALLATION PROBLEM DURING THE EXECUTION OF THE SCRIPT INSTALL_WAR.SH.</p> <p>Problem: When customers migrate and then install the WPC application on the server using the script install_war.sh, they receive an error message similar to this one:</p> <p>WASX7017E: Exception received while running file "/opt/IBM/WPC53/bin/websphere/i ninstall_war.jacl"; exception information:</p>

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			com.ibm.ws.scripting.ScriptingException : WASX7279E: An application with name "ccd_server1" already exists. Select a different name.
WPC00031893	JR26536	65519	Abstract: IMPORTED WORKFLOWS SHOW ALL ATTRIBUTES AS READ-ONLY. Problem: During the import of workflow, the required and editable attributes were not installed properly and so they were displayed as viewable attributes only. This error was in the WPC code due to improper installation of attribute collections in the step of workflow during import. This occurs in both Oracle and DB2. Impact to customer: The customer should re-save all the steps of the workflow after importing the workflow. To do this, go to the Workflow Console, re-save the workflow step for the imported workflow, and the workflow itself.
WPC00031911	JR26578	68235	Abstract: THE DISPLAYING OF THE WORKFLOW STEPS IN THE LEFT NAVIGATION HAS NO FILTER TO DISABLE INACCESSIBLE STEPS. Problem: When customers create a workflow with some steps it is possible to define the users that have access to these steps. In the collaboration area console you have the possibility to configure a filter to disable the inaccessible steps. The steps can also be displayed in the left navigation pane, but there is no filter and all steps will be displayed. Therefore, customers have two different views for the same WPC artifact with different behavior. Impact to customer: A new right-click menu item is available to hide inaccessible steps. If selected, then steps will only be displayed if the currently logged-in user is a Performer for the step or an Administrator for the Collaboration Area.
WPC00031918	JR26589	21064	Abstract: WHEN DELETING AN ITEM THE SCRIPT IS UNABLE TO UPDATE THE ARCHIVECATALOG. Problem: The typical scenario for this problem might be that a customer has 2 catalogs, "21064 Catalog" and "21064 Archive Catalog". Both catalogs use exactly similar, but different specs. "21064 Catalog" has a post save script attached to it. If an item is deleted or modified, the simple post save script updates the "21064 Archive catalog" by creating an item there with the same values of the original item's values. Customers should note that this problem occurs when there has to be an entry added in archive catalog on deletion of an item in the main catalog.
WPC00031959	JR26719	00524	Abstract: GETCTGITEMCATEGORYPATHS() DOES NOT RETURN NEW PATH IF ITEMS ARE BEEING REMAPPED BETWEEN CATEGORIES IN LEFT NAV PANE. Problem: This problem is on remapping an item in the left navigation pane between categories using cut and paste or copy and paste. When doing so, the GETCTGITEMCATEGORYPATHS() was not giving the right old path and new path of the item. Exact error which customer will receive is that the item's old category path and the new category path are the same on running the post save script mentioned. Impact to customer: The customer should note that this change is for "Item Recategorization" in the left navigation pane. The post save script used should be the same as mentioned above if you are recategorizing from UI and if it has to be for a specific item you can use the script mentioned below: var cat = getCtgByName("catalog_name"); var item = cat.getCtgItemByPrimaryKey("item_pk"); var catTree = getCategoryTreeByName("hierarchy_name"); var cat2 = catTree.getCategoryByPath("category2","/");

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			<pre>toCats = []; toCats[0] = cat2; item.moveCtgItemToCategories(toCats); var e = item.saveCtgItem(); var olditem = item.getOriginalEntry(); var oldpath = olditem.getCtgItemCategoryPaths("/"); var newpath = item.getCtgItemCategoryPaths("/"); out.writeln("newpaths : " + newpath); out.writeln("oldpaths : " + oldpath);</pre>
WPC00031960	JR26728	00578	<p>Abstract: NO HYPERLINK FOR LOCATION ATTRIBUTES OF TYPE URL. Problem: Customers create a location attribute of type URL and it fails to produce a hyperlink.</p>
WPC00031983	JR26738	N/A	<p>Abstract: INCORRECT INDEX CREATION SYNTAX FOR INDEX ICTG_ITM_3 ON DB2. Problem: When running migration scripts to migrate from 5.3.x to 5.3.2, creation of new index ictg_itm_3 fails with syntax error: SQL0104N An unexpected token "(" was found following "ctg_itm_item (upper".Expected tokens may include: ", ". SQLSTATE=42601</p> <p>The index is not created after the migration scripts are run, and is hence not available in 5.3.2. Solution: The migration script contained the SQL query to create the index. Yet the syntax used for the query was incorrect for DB2. DB2 does not support creation of functional indexes. This index creation is removed from the migration scripts since this index is not created originally for even a fresh 5.3.2 instance in DB2, and was never used for DB2. Impact to customer: The index ictg_itm_3 will not be created during migration for DB2.</p>
WPC00031986	JR26774	N/A	<p>Abstract: LOOKUP TABLE POPUP VALUES SHOULD BE SORTABLE ASCENDING OR DESCENDING ON ANY COLUMN. Problem: In 5.2.1, the values located at the bottom of a displayed table in the lookup table popup, can be sorted with ascending or descending key order on any column. In Version 5.3.2, these same values can only be sorted in ascending key order. Solution: The values can now be sorted using both ascending and descending key order on the column by clicking the column header. Click the header of the current sorting column to reverse the order of the sort.</p>
WPC00031987	JR26775	N/A	<p>Abstract: LOOKUP TABLE POPUP (OPENED FROM LKP ATRIBUTES ON ITEM-EDIT PAGE)SIZE SHOULD BE LARGER OR MADE CONFIGURABLE BY USER. Problem: The lookup table popup window is sized too small and customers can't see values that want to find. Cause: The height and width values were hard coded.</p>
WPC00031953	JR26699	20581	<p>Abstract: IN 5.3.2.X, WHEN THE 2NDARY SPEC OF A LKT HAS A SPECIAL CHARACTER, IT'LL BREAK PORTAL RESPONSE AND ACTION. Problem: Customers reported that in the secondary spec of a lookup table, there is a special character (" - double quotes). This caused WPC to disconnect the response of Portal when requesting information from</p>

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			the secondary spec, and therefore Portal was unable to SAVE.
WPC00031519	N/A	N/A	<p>Abstract: Problem with locks if already acquired by another thread in the same JVM.</p> <p>Problem: Customers attempt to acquire a database lock that is already acquired by a different thread of the same JVM (for example, 2 concurrent users would result in the JVM for the Application Server having 2 threads, and both users attempt to change the same item). Therefore, the process for checking locks throws an exception instead of returning false and can result in unpredictable behavior, or changes being made despite another user having the lock.</p>
WPC00031924	N/A	N/A	<p>Abstract: Add hierarchy mapping through 'Add' button in UI doesn't work successfully when add a new hierarchy</p> <p>Problem: Customers have problems adding a hierarchy mapping to a new hierarchy.</p>
WPC00031843	N/A	N/A	<p>Abstract: Error display in Distribution Group page</p> <p>Problem: Distribution Group is not displayed properly because It contains some "&nbsp;" characters in the list.</p>
WPC00030218	N/A	N/A	<p>Abstract: The getEntryRelatedInfo() script returns info of a non-related item</p> <p>Problem: Customers are unable to get the related information for the expected item when using the getEntryRelatedInfo() script.</p>
WPC00030851	N/A	N/A	<p>Abstract: isEntryReserved short-term caching needs to be put back.</p> <p>Problem: A performance optimization was removed in 5.3.1 because it was causing incorrect behavior.</p> <p>Solution: A code fix has been provided for the original problem, and the performance optimization has been re-enabled.</p> <p>Impact to customer: Customers may find performance improvements when working with categories and items in a workflow context.</p>
WPC00031367	JR22743	37154	<p>Abstract: Item ordering behavior inconsistent between catalogs using display attributes versus those not using them.</p> <p>Problem: In order to enable ordering for a catalog with no display attribute, the steps included checking the "use ordering" check box on the catalog attributes page and then actually changing the order of any item in the left pane by cutting and pasting it to a different location. For catalogs with a display attribute, there was an additional last step which was to refresh the category containing the reordered item.</p> <p>Solution: The extra step of having to refresh the containing category was eliminated for catalogs with a display attribute.</p> <p>Impact to customer: Behavior of ordering functionality is now consistent across all catalogs, irrespective of whether the primary key or a display attribute is used in the left pane. This will ensure less confusion and reduce the risk of user error.</p>
WPC00031520	N/A	N/A	<p>Abstract: Post-save script for catalog cannot be set to an all-catalog script using scripting.</p> <p>Problem: The setContainerProperties script operation checks that the catalog ID of the script being created is the same as that of the catalog, and was failing to check for the case where the script is an all-catalog script.</p> <p>Solution: Check for the case of an all-catalog script.</p> <p>Impact to customers: Customers can now create an all-catalog script using</p>

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			the scripting interface.
WPC00031558	JR25935	65224	<p>Abstract: WPC stores Web Services transactions, even if the "Store Requests" and "Store Replies" options are deactivated for the Web Service.</p> <p>Problem: When "Store Requests" and "Store Replies" options are disabled for the Web Service, an empty record is inserted for Web Service transactions. This causes unnecessary data and load on the database, which will have a minor performance impact and requires maintenance effort to clean up WTR table.</p>
WPC00031600	N/A	N/A	<p>Abstract: Pressing REMOVE on a nested FIXIT step causes Check in instead of Drop.</p> <p>Problem: When customers attempt to drop an item from a workflow step it causes a check in instead of it being removed. This problem affects any workflow step transition especially in a nested workflow setups.</p>
WPC00031607	N/A	N/A	<p>Abstract: The <code>jmGetMQConnectionFactory()</code> script op throws "invalid security authentication supplied for MQQueueManager" error when used with MQ Versions 6.0.</p> <p>Problem: Tighter security in MQ version 6 require a username that exists on the MQ system in the group <code>mqm</code>.</p> <p>Solution: The <code>jmGetQueueConnection</code> script operation now has 2 additional optional String parameters, a username and password to use to connect to the MQ server. The user that these relate to must be in the <code>mqm</code> group on the MQ system.</p> <p>There are also 2 additional properties in <code>common.properties</code>, <code>mq_username</code> and <code>mq_password</code>, which are used as the default. If the credentials are not passed using either method, then WPC will attempt to obtain a connection the old way, but this will still fail unless a user exists on the MQ system with the same username as the user running the WPC processes, and this user is in group <code>mqm</code>.</p> <p>Impact to customer: In order to successfully obtain an MQ connection in version 6, customers should either change calls to the <code>jmGetQueueConnection</code> script operation to pass the username and password of a user on the MQ system in group <code>mqm</code>, or set these as the values of <code>mq_username</code> and <code>mq_password</code> in <code>common.properties</code>, or run the WPC processes as a user that exists on the MQ system in group <code>mqm</code>.</p>
WPC00031701	N/A	N/A	<p>Abstract: Errors in <code>db_export_localized.sh</code> when running <code>db_export.sh</code></p> <p>Problem: The <code>db2_export_localized.sh</code> script and <code>db2_importto532_localized.sh</code> script have <code>###</code> (3 #'s) in the shell scripts to represent comments. These (3#'s) are removed while packaging these shell scripts for enterprise build, which is WPC standard way of handling shell scripts for enterprise build. It occurs on all platforms.</p> <p>Solution: Removed the usage of 3#'s from these shell scripts to have those lines treated as comments.</p>
WPC00031814	N/A	N/A	<p>Abstract: Script ops <code>getDestinationEntrySetForRelatedEntries/getSourceEntrySetForRelatedEntries</code> methods can not work.</p> <p>Problem: When customers execute the sample scripts "getDestinationEntrySetForRelatedEntries.script and "getSourceEntrySetForRelatedEntries" they receive unexpected errors and behavior.</p>
WPC00031851	N/A	N/A	<p>Abstract: Utility portlets should display "This portlet does not work</p>

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			independently" on Util page. Problem: Customers cannot view the utility portlets after installing WPC Version 5.3.2.
WPC00031855	N/A	N/A	Abstract: Error occurs when clone item with TimeZone type attribute. Problem: Customers cannot clone an item when it has a time zone attribute associated with it.
WPC00031935	N/A	N/A	Abstract: The search function in the hierarchy mapping popup window is not finding the main hierarchy. Problem: The search query was modified in an earlier interim fix for WPC 532 to enable search by attributes other than primary key (for example a display attribute) for item recategorization in the hierarchy popup window which led to this problem. The recategorize popup or hierarchy popup window in the right pane for item and category edit screens allows the customer to search a new category only by the primary key. Yet, the primary key is a meaningless sequence which is never displayed anywhere else in WPC. Therefore, searching a new category by the "display attribute" is a better option the searching with the primary key.
WPC00031966	N/A	N/A	Abstract: There is 'null' showing in UI when select a another location language in "Locale for Item and Category Data Display" in 'My Setting' Problem: The display attribute name was not handled properly for the locales which were not localized for the display attribute in the spec and therefore returning a "null" in the UI.
WPC00031969	N/A	N/A	Abstract: Generate Report error will occur if the item has a null currency node. Problem: Create a catalog with a spec having a currency type attribute. Add an item to the catalog, with the currency attribute value empty. When customers click 'Generate Report' in multi edit page they receive an error.
WPC00031943	N/A	N/A	Abstract: Add_new_indexes.sql contain an unexpected token "(" which causing SQL0104N error when running MIGRATE5301TO532.SH. Problem: Customers who run the migrate5301to532.sh script for DB2 migration receive an error.
WPC00014643	N/A	N/A	Abstract: OLD:"Lookup Table Import Spec" spec is not returned by Spec Explorer Search. Problem: System defined specs (for example, "Lookup Table Import Spec","Catalog Summary Inputs","Sample String Replace Macro Script Input", "xCBL 3.0 Inputs") are not returned by Spec Explorer Search in the Left Pane. However, the "Default Hierarchy Primary Spec" is returned by the search. This occurs in all environments. Solution: Displayed the Specs and Attributes that are common for all companies as viewable when viewed from Left Pane. Impact to customer: This impacts if the specs are viewed from Left Pane using Specs Explorer Search. As a workaround these specs can be viewed from Specs Console
WPC00031890	JR26512	66123	Abstract: IT IS NOT POSSIBLE TO CHANGE VALUE OF AN ATTRIBUTE WHEN IT HAS THE MAXIMUM NUMBER OF CHARACTERS. Problem: Customers reported that if a text field had a length-limit, and the text in that field reached to the limit (for example, 15 characters in a field that had a

Tracking number	APAR	PMR	Synopsis
			<p>15 character maximum) and they subsequently attempted to over write the text field with new input, they were presented with an error message that stated that the box was full. Normally, customers can over write text by first deleting the selected characters. Instead, despite attempting to "type over" the existing characters the error message persisted.</p> <p>Cause: This defect applied to all platforms. It was an issue with Javascript that was counting the length of the field without taking into account the number of selected characters that would be replaced.</p> <p>Solution: WPC modified the Java script to include a check for selected characters to address this behavior.</p> <p>Impact to customer: The workaround to this issue is to delete the characters before typing in the new ones.</p>
WPC00031247	N/A	N/A	<p>Abstract: The script, /src/db/schema/trigo/add_other_ccd_users.sh doesn't work.</p> <p>Problem: Customers who try to create a user with the /src/db/schema/trigo/add_other_ccd_users.sh script are unsuccessful and receive the error: DB21034E: The command was processed as an SQL statement because it was not a valid Command Line Processor command. During SQL processing it returned: SQL0408N A value is not compatible with the data type of its assignment target. Target name is "SCU_LDAP_SVR_URL". SQLSTATE=42821</p>
WPC00032090	JR26502	01506	<p>Abstract: lookup table popup window dose not work in the search portlet</p> <p>Problem: Customers are unable to use the lookup table popup window while in the search portlet.</p> <p>Solution: Before rendering the special characters the new fix corrects the value recieved from wpc by using escapeForHTML() and renders the correct value</p> <p>Customer impact: For customers using portal integration will be able to use special characters without any problems.</p>

3. Enhancements

This section describes some of the enhancements included in this fix pack.

3.1 Portal Intregation: Web Service session management

Web Services invoked from Portal are normally stateless. Session Management is implemented in Portal by passing the Session ID in a SOAP Header. WPC generates a new session ID for each Portal user session. The Portal user has to get and retain the session ID and send it to WPC after each subsequent call. In Portal, the Session ID is encapsulated in the user object. These user objects are contained in the WPSContext object. In order for the session management to work correctly, the WPSContext object has to be cached either by the caching framework/portlet context, per user login.

3.1.1 Example WPC request

The following is an example of a WPC request with a SOAP header:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi=
"http://www.w3.org/2001/XMLSchema- instance">
```

3.1.2 Example WPC response

The following is an example of a WPC response with a SOAP header:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Header> <ns1:sessionIDsoapenv:mustUnderstand="0"xmlns:ns1=
    "http://xml.apache.org/axis/session"/>4932478437954237555 </soapenv:Header>
```

3.2.3 Subsequent call

This section contains examples of WPC subsequent calls after the first request and response have been issued.

- WPC request with SOAP header:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi=
    "http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Header>
  <ns1:sessionIDsoapenv:mustUnderstand="0"xmlns:ns1=
    "http://xml.apache.org/axis/session"/>4932478437954237555
  </soapenv:Header>
```
- WPC responses with a SOAP header

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi=
    "http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Header>
  <ns1:sessionID soapenv:mustUnderstand="0"
    xmlns:ns1="http://xml.apache.org/axis/session"/>4932478437954237555
  </soapenv:Header>
```

3.2.4 Code changes made to the sample portlets

The following list describes the changes made to the WPC Portal Intregation sample portlet and are displayed by file name:

- File : IWPCUser.java
Content: public static final String WPC_AXIS_SESSIONID = "WPC_AXIS_SESSIONID";
Description: Key variable name for the property in WPCUser to store the WPC generated SessionID.
- File: SoapReponse.java
Content: private String wpcAxisSessionID;
Description: Variable to store the WPC generated SessionID from the SOAP Response.
This is used to check the request and response SessionID is the same OR different in the case where a session timed out
- File: WSHelper.java
Method: public Element getCatalogs(WPCUser user) throws WPCMediatorException {
SoapResponse soapResponse = invokeSOAP(getSoapURL(
ISoapMessageKeys.REQ_GET_CATALOGS), requestXML,
(String)user.getProperty(WPCUser.WPC_AXIS_SESSIONID));
setWPCSessionID(soapResponse,user);
Description: Invoke webservice with the sessionID, which is stored in the User.
Set the newly generated sessionID in the user property only if it is new or it has timed out.
- File: SoapInvoker
Method: private static SoapResponse invokeWithMOM
(Call call, String requestMsg,Attachment attachment,String wpcSessionID) throws AxisFault {
//when the ResponseMessage contains SOAP session Header store it in soapResponse
SOAPHeaderElement resSessionID = call.getResponseMessage().getSOAPEnvelope().
getHeaderByName(SimpleSessionHandler.SESSION_NS,SimpleSessionHandler.SESSION_LOCALPART);
Long sid = null;
if(resSessionID != null) {
try {


```

sid = (Long) resSessionID.getValueAsType(Constants.XSD_LONG);
} catch (Exception e1) {
e1.printStackTrace();
}
}
return new SoapResponse(buff.toString(), attachmentList,sid.toString());

```

Get the generated SessionID from WPC Response and set the value in the SoapResponse Object.
Code to add the sessionID in SOAP Header if session exists

```

// when wpcSessionID is present create a SOAPHeader with Session ID
if(!UIUtils.isEmpty(wpcSessionID)) {
try {
//create a session element with session id
Document document = factory.newDocumentBuilder().newDocument();
Element sessionElement = document.createElementNS(SimpleSessionHandler.SESSION_NS,
SimpleSessionHandler.SESSION_LOCALPART);

sessionElement.appendChild(document.createTextNode(wpcSessionID+""));

SOAPHeaderElement sessionHeader= new SOAPHeaderElement(sessionElement);

sessionHeader.setActor(null);

//add Session ID to SOAP Header
call.addHeader(sessionHeader);

```

3.2.5 WPC Migration of WSDL definition changes

The WSDL definition for WPC needs to be updated to include a simple session handler parameter, SimpleSessionHandler, in the SOAP request. In addition, the response flow of Web Service processing should be updated as well. To update the Web Service definitions, the following java class needs to be executed, which will update the server-config.wsdd file according to the common.properties values defined:

```
$JAVA_RT com.ibm.ccd.soap.common.WebServiceMigrationForSessionHandling
```

4. Product fix history

4.1 Fixes from WPC Version 5.3.2-IF002

PMR	APAR	ID	Synopsis
01517	JR26379	WPC00031852	<p>Abstract User interface: A previous fix for a rendering issue in the look-up tables introduced a new error causing a time-out that subsequently leads to an error message. Similarly to the previous error when the + sign for the group attribute is clicked it causes a time-out but this error also requires a Linked Attribute to be in the same spec.</p> <p>Problem For an Item with a Linked Attribute as part of the spec; when the "+" sign for the group attribute is clicked there is a time-out and widget error.</p> <p>Solution A fix for this problem is included in this interim fix.</p> <p>Impact This is a UI code fix and does not require any implementation change in a customer environment.</p>
74813	JR26065	WPC00031697	<p>Abstract During the migration from Version 5.2.1.x to Version 5.3.x, several advanced selections functions are not available.</p> <p>Problem When creating an export you do not see the dynamic selections in the drop down. Only the basic selections and selections saved through searches were shown. Also, the getSelectionByName() script operation does not return a dynamic selection object when the selection is a dynamic selection.</p> <p>Solution In addition to basic selections and selections saved through searches, dynamic selections are also displayed in the drop down when creating exports. The script getSelectionByName() returns the appropriate selection type object.</p> <p>Impact No changes to the customer implementation are required.</p>
74813	JR26075	WPC00031702	<p>Abstract The script operation to set the dynamic selection rule string, setDynamicSelectionQueryString (String query), is missing in the WPC Scripting API.</p> <p>Problem The setDynamicSelectionQueryString() script operation was not present in the WPC Version 5.3.2</p> <p>Solution The script operation is available in this interim fix.</p> <p>Impact Customers can now use this operation as intended.</p>
00387	JR26193	WPC00031753	<p>Abstract In the Scripts Console, the error message for the script exception for WPC Version 5.3.X is vague as compared with previous versions.</p>

			<p>Problem Script exception messages were unclear in the WPC versions 5.3.x, compared to the messages in WPC 5.2.1.</p> <p>Solution Logging detail has been improved/corrected via code fixes</p> <p>Impact No customer implementation changes are needed to gain the improved error messages.</p>
82814	JR26580	WPC00031913	<p>Abstract For DB2: During WPC migration of the database schema using the migrate5301to532.sh script from Version 5.3.1 (or earlier) to Version 5.3.2, the user encounters an error while running the ALTER TABLE statement.</p> <p>Problem Incorrect syntax was used while adding a column with the ALTER TABLE statement in WorkflowCache.sql for DB2.</p> <p>Solution The migrate5301to532.sh script has been fixed to correct the problem.</p> <p>Impact No changes to the customer implementation are required.</p>
67020	JR26595	WPC00031929	<p>Abstract When using the same Script names in different companies, only one copy of the script will be cached and used in the script cache.</p> <p>Problem When using multiple companies on a single WPC instance, for example for testing, this might lead to unexpected behavior when the contents of a script are different between companies.</p> <p>Solution A code fix has been implemented to correct the defect.</p> <p>Impact No changes to the customer implementation are required.</p>
00554	JR26586	WPC00031919	<p>Abstract When creating an item in a catalog from a post save script of a hierarchy, from which a category is being deleted, this causes a locking problem and the item cannot be created.</p> <p>Problem It is not possible to create an item in a catalog from a post save script of another hierarchy, from which a category is being deleted.</p> <p>Solution The code has been implemented to correct this defect.</p> <p>Impact No changes to the customer implementation are required.</p>
66136	JR26557	WPC00031901	<p>Abstract Incorrect handling of sequence attributes may cause "Unique Constraint For Attribute Is Violated" errors.</p> <p>Problem The sequence cache does not deal properly with the company ID. This only applies under certain conditions: - working with multiple companies in parallel</p>

			<ul style="list-style-type: none"> - using specs with primary key of type "sequence" - using the same names for specs and catalogs in different companies. <p>Solution A code has been implemented to correct this defect.</p> <p>Impact No changes to the customer implementation are required.</p>
66566	JR26556	WPC00031898	<p>Abstract When customers try to delete an occurrence of an attribute in a workflow, an exception is thrown.</p> <p>Problem Problem occurs when deleting a multi-occurring group when the group contains a read-only lookup table attribute.</p> <p>Solution A code fix for this problem is included in this interim fix.</p> <p>Impact No changes to the customer implementation are required.</p>
65890	JR26511	WPC00031889	<p>Abstract The Add Hierarchy Mappings pop-up (in list view mode) displays an incorrect number of categories when more than 10 categories exist at the same hierarchy level.</p> <p>Problem The number of categories to process was being subtracted by 1 because the Normal View needed one more to determine whether or not to display the "First n categories message", so in the List View (which this popup defaults to) only 9 were being displayed.</p> <p>Solution Only subtract 1 if this is the Normal View.</p> <p>Impact No changes to the customer implementation are required.</p>
67974	JR26507	WPC00031888	<p>Abstract The Item Differences and History Screen in WPC Version 5.3.x no longer display the exit values for each step.</p> <p>Problem The WPC database was not being populated with the exit values and transitions.</p> <p>Solution A code fix for this problem is included in the interim fix.</p> <p>Impact No changes to the customer implementation are required, however, due to the nature of the defect, exit values for steps from before this fix is applied will continue to be unavailable.</p>
		WPC00031909	<p>Abstract The script jmsGetMQConnectionFactory operation fails for MQ Version 6</p> <p>Problem Tightened security in MQ Version 6 requires a username in group mqm, and there was no means of specifying a username. This meant that the script operation would only succeed if a user with the same username as the user running the WPC processes existed on the MQ system, and that user was in</p>

			<p>group mqm.</p> <p>Solution The <code>jmsGetQueueConnection</code> script operation now has 2 additional optional String parameters, a username and password to use to connect to the MQ server. There are also 2 additional properties in <code>common.properties</code>, <code>mq_username</code> and <code>mq_password</code>, which are used as the default. If no credentials are supplied using either of these methods, then the system will attempt to get a queue connection the old way.</p> <p>Impact Customers can now use the <code>jmsGetMQConnectionFactory</code> script operation as intended. However, in order for it to succeed, a username and password for a user on the MQ system in group mqm must be either provided as parameters in the script operation or set in <code>common.properties</code> as <code>mq_username</code> and <code>mq_password</code>, for example:</p> <p>Instead of: <pre>jmsQueueConnection = I jmsConnectionFactory.jmsGetQueueConnection();</pre> </p> <p>Use: <pre>jmsQueueConnection = jmsConnectionFactory.jmsGetQueueConnection("mquser","mqpasswd");</pre> e <code>jmsConnectionFactory</code> is a <code>QueueConnectionFactory</code>, <code>mquser</code> is a username in the mqm group and <code>mqpasswd</code> is the password for this user</p> <p>If credentials are supplied both in <code>common.properties</code> and as parameters in the script operation, those passed as parameters take precedence. If no credentials are supplied, either as parameters in the script operation or in <code>common.properties</code>, then the script operation will continue to fail unless a user with the same username as the user running the WPC processes exists on the MQ system, and that user is in group mqm.</p>
68854	JR26633	WPC00031941	<p>Abstract The <code>getItemSetForCatalog()</code> method results in java exceptions when using a loop with <code>forEachItemSetElement</code>. This exception also occurs for the <code>forEachCtgItem</code> method.</p> <p>Problem Data corruption caused the incorrect behavior of the <code>getItemSetForCatalog()</code>.</p> <p>Solution A cleanup mechanism has been provided to resolve the corruption, and product fixes have been implemented to prevent certain corruptions from occurring.</p> <p>Impact No changes to the customer implementation are required.</p>
82814	JR26586	WPC00031919	<p>Abstract When customers create an item in a catalog from a post save script of a hierarchy from which a category is being deleted, a locking problem occurs and the item cannot be created.</p> <p>Problem The <code>saveCtgItem()</code> script operation is using an action from the script context, which is set to DELETE since that is the action performed on the category. The operation should be using INSERT, since it is creating new item.</p> <p>Solution A code fix for this problem is included in the interim fix.</p>

			<p>Impact No changes to the customer implementation are required.</p>
00257	JR26477	WPC00031884	<p>Abstract Scripting API: Customers receive incorrect results when using the OR search operator with the SEARCHQUERY API.</p> <p>Problem The current query requires that the item must have BOTH attributes in order to be matched. However, if the item only has one attribute that matches and doesn't have the other attribute, it will not match.</p> <p>Solution A code fix for this problem is included in the interim fix.</p> <p>Impact At the present time, WQL queries that contain an OR operator, must have a select part of the simple form "select item from catalog ..." . More complex forms of the select part, for example, "select item, <attribute> from catalog ...", are not supported at the present time. Often, this type of more complex instances of a select part, can be replaced by the simple "select item from catalog ..." form and then followed by the explicit extraction of additional desired item attributes by additional WPC script operation calls.</p>
65355	JR26352	WPC00031849	<p>Abstract Customers receive a JavaScript error when selecting the List View while attempting to add a hierarchy mapping to an item in the Item view.</p> <p>Problem The JavaScript variable GENERAL_INFO_LOADING_JS was not being properly initialized, causing the error to occur.</p> <p>Solution A code fix for this problem is included in the interim fix.</p> <p>Impact No changes to the customer implementation are required.</p>

4.2 Fixes from WPC Version 5.3.2-IF001

PMR	APAR	ID	Synopsis
01216	JR26254	WPC00031799	<p>Abstract: Workflow memory leak.</p> <p>Problem: The workflow engine has a memory leak which causes out of memory errors.</p> <p>Solution: A code-fix has been made to explicitly clean-up and prevent the workflow engine from leaking memory.</p> <p>Impact: No changes are needed to customer implementations, memory leaks in workflow should not occur after applying the interim fix.</p>
01356	JR26216	WPC00031797	<p>Abstract: Item rendering error with multi occurring group type.</p> <p>Problem: A rendering error occurs when a user attempts to add a lookup table to an attribute group when creating categories.</p> <p>Solution: A code-fix has been made to eliminate the widget error from occurring.</p> <p>Impact: No changes are needed for customer implementations, the rendering error no longer will occur after interim fix application.</p>
83302	JR26288	WPC00031815	<p>Abstract: Migration from WPC Version 5.3.0 to Version 5.3.2 problem</p> <p>Problem: The migration shell script was failing with multiple errors. This problem affects migration from WPC Version 5.3.1 to 5.3.2 as well.</p> <p>Solution: The shell script has been corrected, and code-fixes have been completed for the migration.</p> <p>Impact: Customer migrating from 5.3.0 or 5.3.1 can retry their migrations using the provided scripts. Such customers should use a copy of the database on which there has not been any migration attempts.</p>

5. Issues and Limitations

This maintenance release contains the following known issues (which will be addressed in a future maintenance release):

Tracking Number	Description
WPC00032058	<p>The reported problem is that if you move to the final page of a multi-edit after making unsaved modifications and click OK in the dialog, then it will lose your window size, and only display the number of items on the final page.</p> <p>For example, if there are 29 items, with a window size of 20, and you make unsaved modifications on page 1, then navigate to page 2 and click OK, then it will show items 21-29 but will now work with a window size of 9. That is, if you go back to the first page it will show items 1-9, while if you use the Previous Page button it will show 12-20.</p> <p>A workaround is to either manually enter the item range or start a new multi-edit session.</p>
WPC00031988	<p>If a Report Input spec has a grouping node which is defined as multi-occurrence, only a single occurrence will be added. This occurrence can be populated in the usual way, however, if the user attempts to return to this screen to update the values, this will cause a server error and the user will be logged out of WPC. This is a permanent limitation. The suggested workaround is to define the group itself as single-occurrence, but the nodes within the group as multi-occurrence.</p>
WPC00031996	<p>Due to a current design limitation, the Rich Search result set executes a full search twice, causing a potential performance issue.</p>
WPC00031850 WPC00031844	<p>The reported problem is that if set empty to required global or location attributes in automated step, the entry could be moved to next step, no validation will be handled in automated step;</p> <p>Solution or Recommendation: Workflow designers must ensure that any step following an automated step must have any required attributes on the "required attributes to validate" collection for that step. If an entry automatically moves out of a step, this is an exception to the "Entries cannot leave a step unless valid per that step" rule. As such, validation should not be done in Automated steps Note that automated steps include the Initial step.</p>
WPC00031854	<p>The reported problem is about a checked out item in portal integration, when item is checked out to collaboration area portlet, all attributes shouldn't be editable in item portlet again, but current behavior on 532FP001 is: attributes with empty values could be editable, while attributes with non-empty values couldn't be editable; No workaround, it will be fixed in 532FP2</p>
WPC00031862	<p>Due to a limitation in an underlying 3rd Party library, errors occur during export of items which include a date type attribute for KST Time Zone.</p>
WPC00031976	<p>The reported problem is that java script error will be thrown when doing Cancel action to leave the page with unsaved item or category, and it only happens when choosing top menus except Home – Exit. This is a WebFx bug, this code is licensed to IBM under the Apache license, and the license terms do not allow IBM developers to modify it. If WebFX themselves were to fix it to correctly recognize a false return code from the WPC code, then this may break the menus for their other customers. This means that this defect cannot be fixed.</p>
WPC00032063	<p>The reported problem is when adding/modifying a category, the Script op EntryChangedData.getModifiedAttributePathsNewEntry() can not retrieve any values in hierarchy post-save script;</p>

	<p>it's permanent limitation in current architecture that the changed entry nodes cannot be accessed by a post-save script for a hierarchy. A workaround would be to use a post-processing script instead.</p>
WPC00032089	<p>The secondary spec information is not available to the portal integration code when an item is viewed after a search. The reason for this problem is that during a search, the items retrieved do not have the category information in the search results page. Hence the search portlet cannot display the secondary spec associated with that category and item.</p> <p>Therefore, the secondary spec details will not be available to the customer when they view an item retrieved from search results.</p>
WPC00032110	<p>This problem occurs when a script tries to create new item by using "new CtgItem()" API with an existing Primary Key.</p> <p>For example:</p> <ol style="list-style-type: none"> 1. Choose Any Item and run the following script to confirm item has no problem with WPC Query. <pre>var queryString = "select item from catalog('Item Catalog') where item.pk = '11'"; var searchQuery = new SearchQuery(queryString); var resultSet = searchQuery.execute(); resultSet.next(); item = resultSet.getItem(1); out.writeln(item);</pre> <p>.</p> <ol style="list-style-type: none"> 2. Try to create new Item with same Primary key - <pre>var item = new CtgItem("Item Catalog"); item.setCtgItemPrimaryKey("11"); item.saveCtgItem();</pre> <p>.</p> <ol style="list-style-type: none"> 3. Try to Run WPC Query Again with same script in as step 1. <p>Then you can see the following Error</p> <pre>Exception:Script execution failed (com.ibm.ccd.common.error.AustinException) Exception:Too many values returned by GenCtgItdItemDetail.getByIdVersion(...). Too many values returned by GenCtgItdItemDetail.getByIdVersion(...)</pre> <p>Workaround:</p> <p>In scripting, before calling the new CtgItem() API and setting a primary key value for the new Item being created, perform a check to determine if the particular item_id is already being used as a primary key for another Item.</p>
WPC00031891	<p>In compiled mode, the following array declaration will not work: <code>var array = [[]];</code></p> <p>Instead use the multidimensional arrays defined for scripts running in compiled mode. These must be written as follows:</p> <pre>var array=[]; array[0] = []; array[1] = [];</pre> <p>Note that <code>var array = [[]];</code> will work in NON-Compiled mode.</p>
WPC00030692	<p>The Edit Screens page in the WPC GUI is no longer supported. You can get to the Edit Screens page by going to, Data Model Manager-> Security -> Role console and clicking the Edit Screens button. The information on this screen is not guaranteed to be accurate, and is not intended for customer usage.</p>
WPC00031420	<p>Due to architectural limitations, users cannot get the Context Locations from selection</p>

	<p>results created by a WPC Rich Search with location attributes.</p>
<p>WPC00032000</p>	<p>You receive different results, when you run a WQL query with a different syntax, but the same semantic. When you run:</p> <ul style="list-style-type: none"> - (A and (B or C)): Customer receives the wrong result - ((B or C) and A): Customer receives the correct results <p>Customers need to create and use the following workaround (see example below).</p> <p>Use the supported top-level syntactic structures for WQL queries that involve an 'OR' or an 'AND' operator:</p> <ul style="list-style-type: none"> a) <AF1> AND <AF2> AND ... AND <AFn>, n>= 1, where each AFi is an atomic formula; or b) <AF1> OR <AF2> ; or c) <AF1> OR <AF2> OR <AF3>. <p>First, it is evident that both the proposed WQL queries "(A and (B or C))" and "((B or C) and A)" violate the syntax rules listed in 1. Therefore neither is supported. The desired result set can be achieved, however, in several steps.</p> <p>First a legal WQL query can be used to obtain an intermediate result set. Then, using WPC script ops, one can iterate over this result set and further filter the items as desired. Let us now consider a concrete example. Suppose the desired (but unsupported) WQL query was:</p> <pre>"select item from catalog ('MK_Ctg') where item['MK_Ctg_Spec/stock'] like '13%' and (item ['MK_Ctg_Spec/code'] = '18' or item['MK_Ctg_Spec/code1'] = '18');"</pre> <p>As can be seen, this query has the form "(A and (B or C))". Here is a WPC script that first uses a legal WQL query and then goes on to filter its result set to the desired set of items.</p> <pre>// BEGIN SAMPLE SCRIPT var queryStr = "select item from catalog ('MK_Ctg') where item ['MK_Ctg_Spec/code'] = '18' or item['MK_Ctg_Spec/code1'] = '18'"; var query= new SearchQuery(queryStr); var rs = query.execute(); var keepItems = []; var i=0; while(rs.next()){ var tmpItem = rs.getItem(1); var stock = tmpItem.getCtgItemAttrib("MK_Ctg_Spec/stock"); if (stock.startsWith("13")) { keepItems[i++] = tmpItem; } } // END OF SAMPLE SCRIPT</pre>

6. Requirements

This section includes several requirements that you must have before you apply WPC 5.3.2-FP001.

6.1 Prerequisites Installation

WebSphere Product Center 5.3.2 must be installed prior to the application of Fix Pack 5.3.2. FP001. If you are upgrading from a maintenance release between version 5.3.2 and Fix Pack 5.3.2 FP001, ensure that you have applied all configuration changes (for example, common.properties updates and schema changes) as stated this section of release notes.

6.2 Database schema modifications

If upgrading from 5.3.2 to 5.3.2 FP001, two database schema modifications are required:

1. There is one column added to PPI, PSI, PSD and PPR Table upgrade the schema run the SQL commands present in following SQL file. There is one column added to the PPI, PST, PSD, and PDR table. To upgrade the schema, run the following SQL commands:

For Oracle:

`ftp://software.ibm.com/software/websphere/wpc/fixpacks/5.3.2-FP001/add_date_column-oracle.sql`

For DB2:

`ftp://software.ibm.com/software/websphere/wpc/fixpacks/5.3.2-FP001/add_date_column-db2.sql`

2. For Oracle database, occurrence_id columns in the ITA (tctg_ita_item_attributes) and CAB (tctg_cab_category_attributes) tables should cater for 10 decimal digits.

To upgrade the schema run the SQL commands (only applicable for Oracle database):

`ftp://software.ibm.com/software/websphere/wpc/fixpacks/5.3.2-FP001/alter_occurrence_id-oracle.sql`

Make sure to create a backup of your database before running the SQL update in order to have a version of the database to revert to in case of any problems.

For customers migrating from earlier versions of WPC Version 5.3 (for example, 5.3 and 5.3.1), who were able to migrate without exporting and importing data, then the Index Regeneration Capability utility needs to be run to facilitate the correct operation of an additional rich search option.

The Index Regeneration Capability is provided by a shell script named indexRegenerator.sh located in the \$TOP/bin directory. The shell script has the following usage:

For catalogs in a company:

`--catalog= <<catalog name>> --company= <<company name>>`

For hierarchies in a company:

`--hierarchy= <<hierarchy name>> --company= <<company name>>`

For items in a company:

```
--items= <<full path of the CSV file>> --company= <<company name>> [--  
encoding= <<encoding>>]
```

```
$TOP/bin/indexRegenerator.sh
```

Usage:

```
--catalog= <<catalog name>> --company= <<company name>>  
--hierarchy= <<hierarchy name>> --company= <<company name>>  
--items= <<full path of the CSV file>> --company= <<company name>> [--  
encoding= <<encoding>>]
```

Parameters containing spaces and special characters must be enclosed in escaped quotes (\"). Also special characters should be escaped by back slash (\).

Both the Index Regeneration Capability and the Rich Search for Co-Occurrence of Multi-Occurrence Value facilities are described in the WPC Information Center in the Release notes under New Features located at

http://publib.boulder.ibm.com/infocenter/wpc/v5r3m2/topic/com.ibm.wpc.doc/rn/rn_2.0.html.

6.3 Property file changes

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.

A description of the configuration files and its location is as follows:

- For `common.properties`: During system startup, this file is used 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: `$TOP/etc/default`.
- For `admin_properties.xml`: This file is used by the administrative utilities to configure clusters of the application. File location: `$TOP/etc/default`

For `init_ccd_vars.sh`: The initialization file is the shell script that initializes the shell variables used by the system. File location: `$TOP/setup`.

6.3.1 Changes to `common.properties` file

Please include the following changes to the `common.properties` file which are required for some of the features provided in this maintenance release:

Remove one property from `common.properties` file : `max_number_items_for_realtime_search=1000`

Modify one property in `common.properties` file:

change `max_script_cache_timeout=60` to `max_script_cache_timeout_in_seconds=60`

Add (cut and paste) the following properties and their values at the end of the WPC `common.properties` file:

```
# This property decides whether the Web Services would be session enabled or not. A true  
# value will enable sessions for webservices. A Web Service needs to be saved after changing  
# the value of this property. enable_webservice_session=true  
# This property decides the session timeout period for the Web Services session. The value is in seconds.  
  webservice_session_timeout=300  
# The following are needed for MQ version 6. They can be overridden by specifying a username and password when calling  
the jmsGetQueueConnection script operation  
mq_username=  
mq_password=  
# Key combination to trigger shortcuts. If more than one is set to true, then all set to true will be
```

```

# needed to trigger the shortcut. Default is CTRL-ALT, but if languages that use ALT GR for some characters,
# such as Polish, are in use then we advise that this should be changed, e.g. to CTRL-SHIFT or ALT-SHIFT,
# since in Microsoft Windows, CTRL-ALT and ALT GR always have the same functionality (except when used with DEL).
# We strongly advise against setting all of CTRL, ALT and SHIFT to false, since this would cause shortcuts
# to be triggered by normal typing! It is recommended that at least two of these be set to true.
use_ctrl_in_shortcuts=true
use_alt_in_shortcuts=true
use_shift_in_shortcuts=false

# The width of the popup window for Lookup table entry input widget. This will be set to
# default value which is 800 pixels if the width is either too high (greater than 1680)
# or too low (less than 800). The allowed value can be any integer between 800 and 1680.
lookup_table_entry_input_popup_width=900

# The height of the popup window for Lookup table entry input widget. The allowed value
# can be any integer between 400 to 1050. This will be set to default value which is 400
# pixels if the height is either too high ( greater than 1050) or too low (less than 400).
lookup_table_entry_input_popup_height=500

# Can multiple ctg files (for image/binary attributes) exist with the same name?
# If false, will store files in ctg_files within the supplier base
# If true, will store files in subdirectories within ctg_files with timestamps for names
allow_multiple_files_with_same_name=false

```

7. Installation

This section provides general guidelines to apply this 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.

7.1 Preparation

Before attempting to apply the latest fix pack to WebSphere Product Center, the following preparation is recommended:

7.1.1 Stopping the WPC application on the local server

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

- a) Check the scheduler to make sure there are no critical jobs that need to be completed.

If the queue is clear, stop the scheduler manually by running the following script:

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

- b) Check the workflow engine to make sure there are no critical workflow events in process that need to be completed by running the following script:

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

If the queue is clear, shutdown the workflow engine manually by running the following script:

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

- c) Abort the entire application by running the following script:

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

All remaining WPC services running on the local work station will abort, including the RMI registry.

- Note:** Check to make sure all processes have stopped using the 'ps' command.
Stop off any rogue "java" or "rmiregistry" processes that remain after shutting down the instance.
Occasionally, it may take several attempts to stop off all java processes.
Continue stopping all java processes until they are all dead.

7.1.2 Backing up your system

Perform the following backup steps before applying the this fix pack:

- a) Create a full backup of the current Web Sphere Product Center directories.
The patch will overwrite files that have changed. If any issues occur, the backup will allow a rollback to a previous version.
- b) Perform a full backup of the database.

Recommendation: Apply the fix pack to a test system to identify any issues before applying it to a production system.

Do not delete the previous version of WebSphere Product Center until performing thorough testing with the new installation.

7.2 Applying the fix pack

To apply this fix pack, you must perform the following steps:

1. Unpack the tar file
2. Run the application server script
3. Run the analyze_schema.sh script

7.2.1 Unpacking the tar file

To extract and update any new installation files into the current working directory perform the following steps:

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

For example: {HOME_OF_WPC}/tarballs

2. Change the directory to \$TOP (or the current working directory), and unpack the tar file:

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

```
tar zxvf /home/WPC/tarballs/5.3.2-WS-WPC-WS5_ORA- IF001.tgz
```

Note: We recommend that you use GNU tar to untar the WebSphere Product Center files.

7.2.2 Running the application server script

The application server script, `install_war.sh`, installs WPC into the WAS server.

Prerequisite: Ensure that the default WebSphere Application Server (server1) is installed, running, and that you can log into it. For more information on WAS server 1, see the WebSphere Administration Guide.

Procedure: To run the application server script, from the command line run the following:

```
$TOP/bin/websphere/install_war.sh
```

7.2.3 Run `analyze_schema.sh`

The optimizer uses the catalog tables from a database to obtain information about the database, the amount of data in it, and other characteristics. It then uses this information to choose the best way to access the data. If current statistics are not available, the optimizer may choose an inefficient access plan based on inaccurate default statistics.

Therefore, it is highly recommended that you use the `analyze_schema.sh` script to collect current statistics on tables and indexes, especially if significant update activity has occurred since the last time the `analyze_schema.sh` was executed. This provides the optimizer with the most accurate information with which to determine the best access plan. On WPC databases it is recommended to run the `analyze schema` at least once a week.

To run `analyze schema` in DB2, refer to the WPC technote: Analyzing schema and collecting statistics in DB2 located at

<http://www-1.ibm.com/support/docview.wss?uid=swg21205939>

To run `analyze schema` in Oracle, refer to the WPC technote: Analyzing WebSphere Product Center schema and collecting statistics in Oracle located at

<http://www-1.ibm.com/support/docview.wss?uid=swg21206376>

Recommended: It is recommended to run the `analyze_schema.sh` script once a week or when there is a twenty percent or more increase/change of data in the database.

7.3 Verify the installation

7.3.1 Starting 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.

7.3.2 Starting the WPC services

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`

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