



WebSphere Product Center, Version 5.3.2
Release Notes for *Fix Pack 2*

Note!

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

12 Sept 2007

This edition of this document applies to WebSphere Product Version, Version 5.3.2 Fix Pack 2, and to all subsequent releases and modifications until otherwise indicated in new editions.

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Table of Contents

1. About this release	2
1.1 Product fixes in the current fix pack	2
1.2 Enhancements	6
1.2.1 New script operations for displaying organizational information	6
1.3 WebLogic 9.2 support	7
1.3.1 Installation overview	7
1.3.2 Installing WebSphere Product Center using the graphical installer	7
1.3.3 Installing WebSphere Product Center using the text mode installer	7
1.3.4 Installing WebSphere Product Center fix pack 2	8
1.3.5 Setting environment variables	8
1.3.6 WebLogic 9.2 deployments	9
2. Product fix history	11
2.1 Fixes from WPC Version 5.3.2 Fix Pack 1	11
2.2 Fixes from WPC Version 5.3.2-IF002	30
2.3 Fixes from WPC Version 5.3.2-IF001	36
3. Issues and Limitations	37
4. Requirements	42
4.1 Prerequisites	42
4.2 Database schema modifications	42
4.3 Property file changes	43
4.3.1 Changes to common.properties file	43
5. Installing this fix pack	44
5.1 Preparing to install this fix pack	44
5.1.1 Stopping the WPC application on the local server	44
5.1.2 Backing up your system	45
5.2 Applying the fix pack	45
5.2.1 Unpacking the tar file	45
5.2.2 Running the application server script	46
5.2.3 Running the analyze_schema.sh script	46
5.3 Verifying the installation	46
5.3.1 Starting WebSphere Product Center	46
5.3.2 Starting the WPC services	47

1. About this release

This document addresses product fixes, installation, and migration instructions, and other updated information for WebSphere Product Center Version 5.3.2, Fix Pack 2. Some of the enhancements in the section are described in greater detail in the section titled "Enhancements".

This fix pack includes the following enhancements:

- **Support for WebLogic Version 9.2:** WPC can now be used and installed with, BEA WebLogic Server 9.2 (WPC00032125)
- **Scripting:** Three new script operations have been created which allow user objects to be moved across organizations and provides the ability to display your company organization chart (WPC00032040).
- **Improved messages:** A meaningful message is now displayed when you upload a binary attribute that contains special characters (WPC00031858).
- **Portal Integration:** The Portal Integration calendar popup widget is no longer browser dependant for Internet Explorer only (WPC00032091).

1.1 Product fixes in the current fix pack

This section includes a table which list all the fixes in WebSphere Product Center Version 5.3.2, Fix Pack 2. The synopsis of each defect includes the Abstract (taken exactly from Retain), a problem description, and any customer workarounds if applicable.

Tracking number	APAR	PMR	Synopsis
WPC00031883	JR26469	45476	<p>Abstract: RECORDS/ROWS IN THE TEVT_QUE_QUEUE TABLE ARE NOT HANDLED EFFICIENTLY CAUSING A PERFORMANCE BOTTLE NECK IN WPC.</p> <p>Problem: The records and rows in the tevt_que_queue table are not handled effeiciently causing a performance bottle neck. When running a script that performs a large number of item add, item modify, and items deletes, these events or operations are logged in the table called tevt_que_queue. A problem occurred when the rows in this table did not get deleted quickly enough causing several rows or records to become large and thereby causing each select or delete operation to take longer than it normally would.</p> <p>Impact: Use the indexed column que_id to get the first row instead of using ROWNUM pseudo column.</p>
WPC00032136	JR27182	14403	<p>Abstract: PERFORMANCE ISSUE:CALENDAR.JSP LOADED TOO OFTEN</p> <p>Problem: This problem is actually a performance issue. When you create a catalog and create an item for that catalog and click the item to access the main data entry screen (Single item view), you see a message, "Calendar.jsp" is requested. This request results in a 37kB page download. The content which is downloaded looks fairly static (beyond localized string) and is exactly the same during a session. This request is unnecessary and should be removed.</p> <p>Customer Impact: Performance improves</p>
WPC00032161	JR27213	00608	<p>Abstract: THE ENTRY BUILD IS DESIGNED FOR SETTING NON-PERSISTED ATTRIBUTES, AND NOT TO SET PERSISTED ATTRIBUTES.</p> <p>Problem: The Entry Build script each time and entry is loaded. Thus, if persisted attributes are changed, the entries will seem to have modifications and need saving, even though the entry was not specifically edited. For</p>

Tracking number	APAR	PMR	Synopsis
			<p>categories, this causes concurrent modification errors to show up, and categories will not be savable.</p> <p>Solution: Do not set persisted attributes in the entry build script unless the entry is new. This can be checked with new script operation isEntryNew(). Otherwise, entries will get inadvertently modified anytime they are loaded.</p> <p>Impact: You must not use the entry build trigger to change persisted attributes in non-new entries.</p>
WPC00032162	JR27214	N/A	<p>Abstract: THE METHOD GETORIGINALENTRY() THROWS AN ERROR WHEN IT WILL BE USED IN THE ENTRY BUILD SCRIPT OF A HIERARCHY.</p> <p>Problem: The getOriginalEntry script cannot be used in the entry build trigger to determine if an entry is new, and only new entries can get attributes set in the entry build script.</p> <p>Solution: Create a new script operation isEntryNew() to determine if an entry is new.</p> <p>Impact: You can now use a script that modifies attributes in the entry build trigger.</p>
WPC00032114	JR27121	39921	<p>Abstract: WHEN RUNNING A WQL BASED ON TWO CONDITIONAL CLAUSES AND AN "ORDER BY" RESULTS IN INCORRECT RESULTS.</p> <p>Problem: The WQL query with two conditional clauses and an order by, was generating incorrect result set. When running a WQL query based on two conditional clauses and an "order by", an incorrect SQL is being generated resulting in an incorrect output. This problem occurred because the generated SQL was not correct for the given WQL and resulted in the inclusion of duplicate rows for the same item in the result set.</p> <p>Solution: The SQL generation algorithm was modified to eliminate duplicate rows that were being included in a result set. With this fix only one row is returned per distinct item in the result set.</p> <p>Customer impact: WQL can now support multiple OR operators. The performance, however might degrade as you increase the number of OR operators. OR operator can be used as follows:</p> <p style="text-align: center;"><AF1> OR <AF2> OR ... OR <AFn>, n>= 1, where each AFi is an atomic formula</p>
WPC00032134	JR27175	89430	<p>Abstract: RICH SEARCH FREEZES AND ITEM EDIT DISPLAY IS SLOW, WHEN A CATALOG HAS STATIC SELECTION(S) RETURNING LARGE NUMBER OF ITE</p> <p>Problem: Using large static selections cause the WPC user interface performance to decrease.</p>
WPC00032068	JR26996	80781	<p>Abstract: FOR SOME JAPANESE MULTI-BYTE CHARACTERS THE ISSTRINGSSINGLEBYTE()RETURNS THE WRONG RESULT</p> <p>Problem: The SHIFT_JIS encoding API of the java giver fails for kanji characters.</p>
WPC00032077	JR26961	88959	<p>Abstract: SCRIPT COMPILATION IS GIVING ERROR</p> <p>Problem: When performing the script compilation using the checkForCompileError.sh script, you recieve an error similar to the following: Wed Jun 27 05:33:23 PDT 2007 - Verifying Script 'scripts/triggers/firstScript' /tmp/WPCfirstScript11829476037140.java:73: cannot resolve symbolsymbol : class EntryNode location: class WPCfirstScript11829476037140</p> <p style="text-align: center;">GenThrowValidationErrorOperation.execute(hmContext , (EntryNode)en, (String) "VALIDATION_RULE", (String) result);</p>

Tracking number	APAR	PMR	Synopsis
			Solution: When the script, throwValidationError(), is used in compiled_only mode, the compilation error is not imported to the generated Java file.
WPC00032079	JR27021	41428	Abstract: SELECTION CAN NOT BE MAPPED TO AN ACCESS CONTROL GROUP (ACG). Problem: It is not possible to map a selection (basic or dynamic selection) to an Access Control Group (ACG). A dynamic selection object is mapped to a user created ACG but that is not reflected in the selection console and there is no exception thrown.
WPC00032109	JR27095	86613	Abstract: BEHAVIOR OF CARRIAGE RETURN AND LINE FEED CHARACTER IN WPC5.3.2 IS DIFFERENT FROM TPC4.2 WHEN EXECUTING THE SAME SCRIPT. Problem: You export a catalog text file using the Window based control keys CR+LF (\r\n), and receive an error.
WPC00032111	JR27106	01963	Abstract: ITEM WILL BE CORRUPTED WHEN TRY TO CREATE A NEW ITEM THROUGH WPC API, WITH SAME PRIMARY KEY AS AN EXISTING ITEM Problem: This problem occurs when a script attempts to create a new item by using "new CtgItem()" API to existing primary key.
WPC00032112	JR27109	84841	Abstract: CALENDAR WIDGET INCORRECTLY SHADES SUNDAYS AND MONDAYS AS WEEKEND DAYS FOR A SET OF LOCALES Problem: WHEN THE LOCALE FOR THE USER INTERFACE DISPLAY IS CONFIGURED AS SPANISH, THE SUNDAY ("DOM") AND MONDAY ("LUN") COLUMNS ARE SHADED INSTEAD OF THE ONES FOR SATURDAY AND SUNDAY.
WPC00032144	JR27185	81357	Abstract: UNIQUENESS ERROR WHEN ADDING NEW ITEM OR CATEGORY AFTER UPDATING TO WPC 5.3.2 IF002 OR LATER AND USING SEQUENCES AS PRIMARY KEY Problem: If you migrate all data from a previous WPC version to 5.3.2 IF002, then all sequence objects defined in table sequence for attributes of type sequence will not conform to the new seq_name syntax. If the Product catalog contained items already from previous 5.3.2 IF002 installation, this will cause a unique constraint violation, as new ids with lower, already existing values will be created.
WPC00032145	JR27188	32995	Abstract: OVERWRITING DYNAMIC SELECTION CORRUPTS IMPORT JOB Problem: You can save dynamic selections with the same name as a pre-existing selection and overwrite it (a way to edit dynamic selections using the rich search screen). Yet, if you use the same name as a pre-existing selection, it will prompt you with a warning similar to the following, "A selection called "xxx" already exists. Do you want to overwrite it?" The problem is, that if you overwrite the selection, you will corrupt export jobs. When you overwrite the selection, the old dynamic selection gets deleted and its associated export jobs, and creates a brand new selection.
WPC00032165	JR27221	47850	Abstract: WQL QUERY YIELDING WRONG RESULT SET WHEN COMBINING AND, OR OPERATIONS Problem: The SQL generated for the WQL with such combinations of 'And' and 'Or' were erroneous. For example: WQL: Select item from catalog('catalog name') where A and (B or C) would result as

Tracking number	APAR	PMR	Synopsis
			<p>SQL: Select ita1.ita_item_id from ita ita1 where (A or B) or C</p> <p>The method which was joining the predicates A, B and C was using wrong operators to join them. Also the way the predicates were combined was not correct. For example : Lets say the where clause already has some clauses X and Y, so that the SQL query looks like</p> <p>Select * from table where X and Y</p> <p>When the compound predicate A and (B or C) is added to the above SQL, each atomic predicate is added to the existing where clause without combining the results of other atomic predicates in the compound predicate. So after generating SQL for A, it is added to where clause like</p> <p>Select * from table where X and Y and A</p> <p>The end result is the wrong SQL query: Select * from table where X and Y and (A or B) or C.</p> <p>Solution: Each generated SQL atomic predicates inside a compound predicate is now combined with each other with the original operator that joined them in WQL to form the compound SQL clause before joining it to the outer clauses. In the example given above, the original WQL contains the compound predicate A and (B or C). (B or C) is first converted to SQL then only combined with A. Once the equivalent of A and (B or C) is produced in SQL, it is joined with the main where clause giving the correct SQL.</p> <p>select * from table where X and Y and A and (B or C)</p> <p>Impact: WQL queries can now have combinations of multiple “AND” and “OR” in any order to give correct output. For example</p> <p>(A and (B or C)) will now yield the same result as ((B or C) and A)</p> <p>Some other examples that are supported are: (A or B or C or D) ((A or B) and (C or D)) ((A and B) or (C and D)) ((A or B or C) and D)</p>
WPC00032170	JR27231	06618	<p>Abstract: REQUIRED ATTRIBUTES IN WORKFLOW STEP DIDN'T DISPLAY ERROR WHEN LEFT BLANK</p> <p>Problem: If an attribute is defined with Minimum Occurrence 1 and in two attribute collections, one of which is defined as Required and the other as Editable in a workflow, then setting the attribute to blank and saving will not cause a validation error to appear. The entry will be allowed to reach Success, but will then be moved to Fixit because it is in fact invalid.</p> <p>Solution: A code fix has been provided to correct the problem so that the validation error will now be displayed and the entry not be allowed to leave the step.</p>

Tracking number	APAR	PMR	Synopsis
			Impact: There is no impact to customers as a result of this fix.
WPC00032175	JR27239	41486	Abstract: PROPERTY DISPLAY ISSUE. ITEMS NOT SHOWN Problem: It is about the functionality of the [category_item_count_disabled] parameter. The description of the real functionality of this property in common.properties is not very clear. Solution: Added additional description of this property in common.properties to make it clear that after enabling this property the user will not be able to view items in the left navigation. However search and rich search will still work.
WPC00032206	JR27272	86058	Abstract: A HTTP ERROR OCCURS WHEN YOU HAVE AN ITEM WITH A DISPLAY NAME THAT CONTAINS MORE THAN 1 BLANKS IN SUCCESSION. Problem: An error occurs when you display a collaboration area in the left navigation pane and the display name of an item that is checked out to the collaboration area contains more than 2 blanks in succession. You will receive a popup window with a HTTP error.
WPC00032238	JR27306	02393	Abstract: ITEM.SAVECTGITEM() DOES NOT SAVE NUMBER TYPE ATTRIBUTE WHEN THE PRECISION OF NUMBER TYPE IS SET TO 0 Problem: The case of 0 precision was not considered initially. Solution: Include one more check for a number when the precision is set to zero resolves this issue. Impact: User is able to save numbers with zero precision.
WPC00032007	JR26870	20078	Abstract: GENOBJECTTYPEINFOTODB DOESN'T REPORT DATABASE ERRORS Problem: When running the create_schema.sh script certain database errors were not being reported when adding the object type information into the database. Solution: A code fix has been provided to correct the problem. Impact to customers: When running this script, errors will now be reported to the end user, rather than being ignored.

1.2 Enhancements

1.2.1 New script operations for displaying organizational information

Three new script operations are available:

- moveUserToOrganization (Category srcOrg,Category dstOrg) : User is moved from source organization to destination organization.
- copyUserToOrganization (Category[] Organizations) : User is mapped to the organizations
- removeUserFromOrganization (Category Organization) : User is removed from the given organization

1.3 WebLogic 9.2 support

Support for a new Application Server platform, BEA WebLogic Server 9.2, is included in this fix pack. BEA WebLogic Server 8.1 and IBM WebSphere Application Server 6.0.2 will continue to be supported.

1.3.1 Installation overview

- For new WPC customers: To install and configure WebSphere Product Center for BEA WebLogic Server 9.2, follow all the instructions below in conjunction with the *WebSphere Product Center Installation Guide* located at <http://publib.boulder.ibm.com/infocenter/wpc/v5r3m2/index.jsp>.
- For WPC customers migrating from earlier versions of WebLogic Server, you can skip sections 1.2.2 and 1.2.3 and begin with 1.2.3 Installing WebSphere Product Center fix pack 2.

1.3.2 Installing WebSphere Product Center using the graphical installer

At the Stack Selection screen, select Weblogic 8.1 SP2 with Oracle 9.2.0.8 and click **Next**.

A warning will be displayed with the following text:

The WPC installer could not locate the following pre-requisite software on this system (the installation log file, may contain further details about this). You may proceed with the installation, but you may not be able to use WPC, until you install and configure the recommended versions on your system:

BEA WebLogic Server 8.1 SP2

You can safely ignore this warning. BEA WebLogic Server 9.2 was not supported in the original WebSphere Product Center 5.3.2 release, but support is being introduced with fixpack 2. Click Next to continue to the product directory screen.

Follow the instructions in Section 5.4 of *WebSphere Product Center Installation Guide* for all other screens. Do not select the option to automatically configure WebSphere Product Center, as it will then be configured for the wrong version of BEA WebLogic Server.

1.3.3 Installing WebSphere Product Center using the text mode installer

At the Stack Selection screen, select the number corresponding to Weblogic 8.1 SP2 with Oracle 9.2.0.8, then press 1 to continue.

A warning will be displayed with the following text:

The WPC installer could not locate the following pre-requisite software on this system (the installation log file, may contain further details about this). You may proceed with the installation, but you may not be able to use WPC, until you install and configure the recommended versions on your system:

BEA WebLogic Server 8.1 SP2

You can safely ignore this warning. BEA WebLogic Server 9.2 was not supported in the original WebSphere Product Center 5.3.2 release, but support is being introduced with fix pack 2. Press 1 to continue to the destination screen.

Follow the instructions in Section 5.4 of the *WebSphere Product Center Installation Guide* for all other screens. Do not select the option to automatically configure WebSphere Product Center, as it will then be configured for the wrong version of BEA WebLogic Server.

1.3.4 Installing WebSphere Product Center fix pack 2

Complete the steps and instructions in these release notes titled, "Requirements" and "Installing this fix pack".

1.3.5 Setting environment variables

Follow the instructions in Section 5.5 of the *WebSphere Product Center Installation Guide* under **Set TOP variable**, then perform the following:

1. Deleting obsolete WebLogic 8.1 configuration directory

The directory \$TOP/etc/default/weblogic81 contains files that are specific to a WebSphere Product Center installation for BEA WebLogic Server 8.1. This directory can safely be removed, as the equivalent files for BEA WebLogic Server 9.2 can be found in the directory \$TOP/etc/default/weblogic92. To remove the directory, issue the command:

```
rm -rf $TOP/etc/default/weblogic81
```

Now continue with **Source \$TOP/setup/init_ccd_vars.sh**

2. Edit initialization script (init_ccd_vars.sh)

The "init_ccd_vars.sh file" is sourced to initialize WebSphere Product Center shell variables. Some variables need to be set differently for BEA WebLogic Server 9.2 than for BEA WebLogic Server 8.1. Additionally, several key variables, which are also listed in this section, must be set in this file. If these variables are not set, errors will occur when starting WebSphere Product Center.

Location of file: \$TOP/setup/init_ccd_vars.sh

3. Change variables to point to BEA WebLogic Server 9.2

All occurrences of "weblogic81" in the file must be changed to "weblogic92". The simplest way to do this is to issue the following commands:

```
cd $TOP/setup  
sed s/weblogic81/weblogic92/ init_ccd_vars.sh > init_ccd_vars.sh
```

Continue with **Set JDK_HOME** then **Set Common Unix Utilities**

4. Set configuration for use with BEA WebLogic Server 9.2

Purpose: To configure WebSphere Product Center to use BEA WebLogic Server 9.2

WL_HOME	the directory in which WebLogic is installed
CCD_WL_DOMAIN_DIR	the directory containing the WebLogic domain being used. To use the default location, you should change this value to \$CCD_ETC_DIR/default/weblogic92/wpc_domain
CCD_WL_DOMAIN	the name of the WebLogic domain
CCD_WL_SERVER	the name of the WebLogic server
CCD_WL_PW	the password for the administrative account for the WebLogic domain
CCD_WL_USER	the username for the administrative account for the WebLogic domain
WL_ADMIN_PORT	Add this variable beneath the variables listed above, and set it to the port on which the WebLogic Admin server for the domain listens, for instance:

export WL_ADMIN_PORT=7001

5. Set the memory flags for different modules

The default maximum permanent space is not enough to run WebSphere Product Center on BEA WebLogic Server 9.2. It is recommended to use the following memory flag setting for this service:

```
export APPSVR_MEMORY_FLAG='-Xmx1024m -Xms256m -XX:MaxPermSize=1024m'
```

It is recommended that other memory flags are set according to section 5.5 of the Installation Guide.

1.3.6 WebLogic 9.2 deployments

Deploying a new instance

If you are performing a new WebLogic deployment, you must create a domain for WebLogic. You can either:

- Copy the directory from `/local/<userid>/wlsdomain/mydomain` from another instance into your `$HOME` directory, or
- Run the file `$WL_HOME/common/bin/config.sh` (where `$WL_HOME` is the directory where WebLogic is installed)

If you follow the first approach and copy the domain directory from an existing instance, you can skip to the Deploying over an existing instance section.

Running the WebLogic configuration file

When you run the file `$WL_HOME/common/bin/config.sh`, use the following responses:

- Create a new WebLogic domain
- Generate a domain configured automatically to support the following BEA products:
 - Leave WebLogic Server ticked and any other products unticked
- Specify the same username and password that you specified in `$TOP/setup/init_ccd_vars.sh` (`CCD_WL_USER` and `CCD_WL_PW`)
- Production Mode
- Use the JVM that you specified in `$TOP/setup/init_ccd_vars.sh` (`JDK_HOME`)
- Leave No selected on the next screen for a typical configuration
- Set target Location to parent directory of `$CCD_WL_DOMAIN_DIR`, and the `$CCD_WL_DOMAIN_DIR` value is set in `$TOP/setup/init_ccd_vars.sh`
- Specify the same domain that you specified in `$TOP/setup/init_ccd_vars.sh`

After the domain has been created, perform the following:

1. Copy `$TOP/etc/default/weblogic92/wpc_domain/config/config.xml` to `/local/<userid>/wlsdomain/mydomain/config` and open it in an editor.

Note: Before perform the copy, you should backup the configuration file located at `/local/<userid>/wlsdomain/mydomain/config`. After you finish copying the configuration file, you need to copy the original "`<credential-encrypted>`" value for "`<security-configuration>`" && "`<embedded-ldap>`" elements from the backup configuration file to the new configuration file.

2. For every element that has a domain attribute, change the value of this attribute to .mydomain..
3. For every element that has a server attribute, change the value of this attribute to .myserver..
4. Ensure that the <source-path> element within the second <app-deployment> element has for its value the full path of the public_html directory in your current instance (/local/<userid>/codebases/austin/public_html).
5. Copy the whole <app-deployment> element with the name element set to .wpc. and save it in a temporary file.
6. Replace the relative paths to the logs directories and other directories with absolute ones
7. Replace %HOSTNAME% with the literal hostname (for example, .SUNDB.). Note that this must be all in UPPERCASE characters.
8. Change the <listen-port> element value(in the <server> element) to the port number on which you want to run your WPC app (say 7507)
9. Save config.xml and exit the editor.
10. Start the server (\$TOP/bin/go/start_local.sh). Wait for a minute, then stop it (\$TOP/bin/go/abort_local.sh). WebLogic has modified config.xml.
11. Open config.xml in an editor.
12. WebLogic has removed the <app-deployment> element that specifies where to find the application. Copy the <app-deployment> element that you saved in step 5 and paste it in config.xml.
13. Set the <source-path> element in the <app-deployment> element that you pasted in the previous step to ./local/<userid>/codebases/austin/etc/default/weblogic92/wpc_domain/autodeploy/ccd.war.

Deploying the war file onto the application server

Log into the BEA WebLogic Server Administration Console, which can be found at <http://<hostname>:<admin server port>/console>, where

- <hostname> is the hostname of the host running BEA WebLogic Server
- <admin server port> is the port on which the WebLogic Admin server runs. It should be the same as the value of WL_ADMIN_PORT that you specified in \$TOP/setup/init_ccd_vars.sh

1. Log in using the same username and password you specified when creating the domain.
2. Under Domain Configurations, there will be a sub-heading called Your Deployed Resources. Under this sub-heading, click Deployments.
3. Click the Lock & Edit button within the Change Center. This will enable the Install buttons on this page.
4. Click Install.
5. Click the hostname next to the work Location
6. Drill down the directory navigator that will appear beneath the word "Location" to locate the ccd.war file
7. Click the radio button to the left of ccd.war and click **Next**

8. Choose "Install this deployment as an application" and click **Next**
9. In the Available targets for ccd table, tick myserver and click **Next**
10. Leave the default options selected on the Optional Settings page and click **Next**
11. Choose Yes, take me to the deployment's configuration screen and click **Finish**.
12. Review the configuration that appears when the war file has been installed
13. In the Change Center, click **Activate Changes**.
14. Click **Log Out** in the top bar

Return to the *WebSphere Product Center Installation Guide* and follow the instructions under section 5.9 Setup Database Schema.

2. Product fix history

This section includes several tables that contain the list of fixes for previous WPC maintenance releases.

2.1 Fixes from WPC Version 5.3.2 Fix Pack 1

Tracking number	APAR	PMR	Synopsis
WPC00032048	JR26951		<p>Abstract: ITEM::SAVETGITEM() 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, do not 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: 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>

Tracking number	APAR	PMR	Synopsis
			<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 from String to String Enumeration, or if the contents of the String Enumeration have been changed. - 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: 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: 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: create workflow with several steps</p>

Tracking number	APAR	PMR	Synopsis
			<p>check out items to workflow and progress them partially through workflow open item in workflow and then click in the upper left corner the "Item Differences/ History Screen" button.</p> <p>the history icon doesn't appear next to the SaveEntry steps</p> <p>b) Actual problem</p> <p>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.</p> <p>The format of the old XML document in 5.2.1 is as below</p> <pre data-bbox="646 783 1289 982"><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="646 1073 1289 1896"><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></pre>

Tracking number	APAR	PMR	Synopsis
			<pre data-bbox="651 264 1289 464"><DeletedLocationNode> <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="646 495 1495 606">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="646 674 1495 747">Abstract: RUNNING "NEW CTGITEM()" ON A LOOKUPTABLE WITH THE SAME ATTRIBUTEVALUES TWICE CAUSES ERROR "COULD NOT RELEASELOCKS FOR THREAD"</p> <p data-bbox="646 758 1495 894">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="646 936 1192 957">Abstract: Cannot create Group attribute in a spec</p> <p data-bbox="646 961 1446 1014">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 1052 1446 1104">Abstract: ATTRIBUTE ORDER IN TAB VIEW AND NON-TABBED VIEW ARE DIFFERENT IN WPC 5.3.2</p> <p data-bbox="646 1108 997 1129">Problem: Working as designed.</p> <p data-bbox="646 1167 1474 1251">Impact: 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 1283 1487 1388" style="list-style-type: none"> <li data-bbox="646 1283 1487 1335">1. In tab view: The order of attributes reflects the order of attributes in the underlying catalog specifications. <li data-bbox="646 1339 1487 1388">2. In non-tab view: The order of attributes reflects the order of underlying "attribute collections". <p data-bbox="646 1423 1495 1476">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 1570 1495 1738">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 1743 1495 1816">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 1820 1446 1873">Impact: 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 by</p>

Tracking number	APAR	PMR	Synopsis
			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-OCCURRENCE 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 DYNAMIC 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>

Tracking number	APAR	PMR	Synopsis
			<p>selections. Import and export of dynamic selections was not implemented.</p> <p>Solution: The drop-down of selections now displays all selections. Import and export of dynamic selections has been implemented.</p> <p>Impacts: 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>Impacts: 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>

Tracking number	APAR	PMR	Synopsis
			<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 LOOKUP TABLE ATTRIBUTES IN THE SECONDARY SPEC, 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>

Tracking number	APAR	PMR	Synopsis
			<p>Lookup Table Name mapped to the lookup table attribute.</p> <p>Impact: 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</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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".</p> <p>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".</p> <p>Solution: The migrate531to532.sh script has been modified to enable the upload of the "Default Rich Search Results Report Script".</p> <p>Impact: 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.</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.</p> <p>Impact: 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-value in the table must be set to the string null. Once these are set, log in with</p>

Tracking number	APAR	PMR	Synopsis
			the user (which executed the custom tool) and then log out.
WPC00031892	JR26538	68233	<p>Abstract: BEFORE 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: 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: 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: WORKFLOW 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 out.</p>

Tracking number	APAR	PMR	Synopsis
			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.
WPC00031981	JR26773	68295	Abstract: PROBLEM: VALUES NOT APPLIED IN MULTI EDIT CRITICAL 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.
WPC00032069	JR26998	77912	Abstract: GENERATE REPORT EXCEPTION WIDGET ERROR WITH ATTRIBUTE GROUP OF MIN OCCURRENCE 1 (NONE 0) AND MAX OCCURRENCE 1. 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.
WPC00031958	JR26720	34307	Abstract: ITA_OCCURANCE_ID COLUMN POPULATED WITH -1 DURING MIGRATION TO 5.3.2, SHOULD BE UNIQUE FOR EACH MULTIOCCURING ATTRIBUTE 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 multioccuring group or attribute with a unique value. When running WPC specific health checking tools, such multioccuring attributes incorrectly might be detected as duplicate rows. See the section in these release notes, "Database schema modifications" for more information.
WPC00031824	JR26317	22363	Abstract: TIMING ISSUE WHEN UPLOADING DOCUMENTS VIA A BINARY ATTRIBUTE TYPE. 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. 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. Impact: Customer can continue with the usual implementation of the script operation getDocByPath. The forcesync boolean should be set to true only when you need to have the file synced to the document store (DocStore) immediately.
WPC00031561	N/A	N/A	Abstract: DynamicSelection.java initQueryObject method needs to be optimized. Performance optimization. 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.
WPC00031060	JR25604	45105	Abstract: WPC business portlet loses attribute column order, when retrieving from the portlet parameters, the stored index is not taken into account. 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 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

Tracking number	APAR	PMR	Synopsis
			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.</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: 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: 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> <p>Impact: If InvokeSoapServerForDocLit() is used with invalid username, then the error is displayed instead of a null.</p>

Tracking number	APAR	PMR	Synopsis
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: 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: 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: Customer can create Products & SKUs without any 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.

Tracking number	APAR	PMR	Synopsis
			Solution: Replaced the deprecated script operation with <code>getEntryRelationshipAttrib()</code>
WPC00031910	N/A	N/A	<p>Abstract: The Message box Page cannot lock the Mouse to move and then all UI and WPC instances fail.</p> <p>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.</p> <p>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.</p> <p>Impact: Customers can continue using this Page UI but do not click outside of the page.</p>
WPC00032071	N/A	N/A	<p>Abstract: The product can not be previewed from WPC.</p> <p>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 "</p>
WPC00031795	JR26216	01356	<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. 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.</p>
WPC00031845	JR26332	81443	<p>Abstract: THE METHOD LOOKUP(STRING SLKP, STRING SKEY) DOES NOT RETURN THE VALUES ADDED TO THE LOOKUP TABLE.</p> <p>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.</p> <p>Impact: Use lookup (LookupTable lkp,...) to get all the entries added in the current context as it fetches from the database on each call.</p>
WPC00031671	JR26027	39691	<p>Abstract: CANNOT USE COMMAS IN DEFINING ATTRIBUTE ENUM VALUES</p> <p>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", "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</p>

Tracking number	APAR	PMR	Synopsis
			<p>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: The customer has to give a value to the key "WC1_DELIMITER" in WConfigLkpTbl, 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 LOOKUP ATTRIBUTES. 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: 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/install_war.jacl"; exception information: com.ibm.ws.scripting.ScriptingException : WASX7279E: An application with name "ccd_server1" already exists. Select a different name.</p>
WPC00031893	JR26536	65519	<p>Abstract: IMPORTED WORKFLOWS SHOW ALL ATTRIBUTES AS READ-ONLY.</p>

Tracking number	APAR	PMR	Synopsis
			<p>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.</p> <p>Impact: 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.</p>
WPC00031911	JR26578	68235	<p>Abstract: THE DISPLAYING OF THE WORKFLOW STEPS IN THE LEFT NAVIGATION HAS NO FILTER TO DISABLE INACCESSIBLE STEPS.</p> <p>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.</p> <p>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.</p> <p>Impact: 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.</p>
WPC00031918	JR26589	21064	<p>Abstract: WHEN DELETING AN ITEM THE SCRIPT IS UNABLE TO UPDATE THE ARCHIVE CATALOG.</p> <p>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.</p>
WPC00031959	JR26719	00524	<p>Abstract: GETCTGITEMCATEGORYPATHS() DOES NOT RETURN NEW PATH IF ITEMS ARE BEEING REMAPPED BETWEEN CATEGORIES IN LEFT NAV PANE.</p> <p>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.</p> <p>Impact: 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:</p> <pre> var cat = getCtgByName("catalog_name"); var item = cat.getCtgItemByPrimarykey("item_pk"); var catTree = getCategoryTreeByName("hierarchy_name"); var cat2 = catTree.getCategoryByPath("category2","/"); toCats = []; toCats[0] = cat2; item.moveCtgItemToCategories(toCats); var e = item.saveCtgItem(); var olditem = item.getOriginalEntry(); </pre>

Tracking number	APAR	PMR	Synopsis
			<pre>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>Impact: 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.</p> <p>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.</p> <p>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 LOOKUP ATTRIBUTES ON ITEM-EDIT PAGE)SIZE SHOULD BE LARGER OR MADE CONFIGURABLE BY USER.</p> <p>Problem: The lookup table popup window is sized too small and customers can't see values that want to find.</p> <p>Cause: The height and width values were hard coded.</p>
WPC00031953	JR26699	20581	<p>Abstract: IN 5.3.2.X, WHEN THE SECONDARY SPEC OF A LOOKUP TABLE HAS A SPECIAL CHARACTER, IT'LL BREAK PORTAL RESPONSE AND ACTION.</p> <p>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 the secondary spec, and therefore Portal was unable to SAVE.</p>
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</p>

Tracking number	APAR	PMR	Synopsis
			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.
WPC00031924	N/A	N/A	Abstract: Add hierarchy mapping through 'Add' button in UI doesn't work successfully when add a new hierarchy Problem: Customers have problems adding a hierarchy mapping to a new hierarchy.
WPC00031843	N/A	N/A	Abstract: Error display in Distribution Group page Problem: Distribution Group is not displayed properly because It contains some " " characters in the list.
WPC00030218	N/A	N/A	Abstract: The getEntryRelatedInfo() script returns info of a non-related item Problem: Customers are unable to get the related information for the expected item when using the getEntryRelatedInfo() script.
WPC00030851	N/A	N/A	Abstract: isEntryReserved short-term caching needs to be put back. Problem: A performance optimization was removed in 5.3.1 because it was causing incorrect behavior. Solution: A code fix has been provided for the original problem, and the performance optimization has been re-enabled. Impact: Customers may find performance improvements when working with categories and items in a workflow context.
WPC00031367	JR22743	37154	Abstract: Item ordering behavior inconsistent between catalogs using display attributes versus those not using them. 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. Solution: The extra step of having to refresh the containing category was eliminated for catalogs with a display attribute. Impact: 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.
WPC00031520	N/A	N/A	Abstract: Post-save script for catalog cannot be set to an all-catalog script using scripting. 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. Solution: Check for the case of an all-catalog script. Impacts: Customers can now create an all-catalog script using the scripting interface.
WPC00031558	JR25935	65224	Abstract: WPC stores Web Services transactions, even if the "Store Requests" and "Store Replies" options are deactivated for the Web Service. 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.

Tracking number	APAR	PMR	Synopsis
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> <p>Cause: (i) Non-SUCCESS exit values were not honoured when leaving nested workflow. (ii) Presence of FIXIT in inner workflow was not expected by WPC</p> <p>Solution: If an item is sent to Fixit it will always go to the overall Fixit step no matter what level of the workflow it is at. Code fix added to honor Non-SUCCESS exits from inner workflows</p> <p>Impact: Workflows can now be created with non-Success routes out of inner workflows that will be honored. It is recommended that customers do not nest workflows which are hard-wired to FIXIT. There should only ever be one Fixit in a workflow or nested workflow. However, if this is done, then items going to Fixit will now go straight to the main Fixit step</p>
WPC00031607	N/A	N/A	<p>Abstract: The jmsGetMQConnectionFactory() 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 mqm.</p> <p>Solution: The jmsGetQueueConnection 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 mqm group on the MQ system.</p> <p>There are also 2 additional properties in common.properties, mq_username and mq_password, 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 mqm.</p> <p>Impact: In order to successfully obtain an MQ connection in version 6, customers should either change calls to the jmsGetQueueConnection script operation to pass the username and password of a user on the MQ system in group mqm, or set these as the values of mq_username and mq_password in common.properties, or run the WPC processes as a user that exists on the MQ system in group mqm.</p>
WPC00031701	N/A	N/A	<p>Abstract: Errors in db_export_localized.sh when running db_export.sh</p> <p>Problem: The db2_export_localized.sh script and db2_importto532_localized.sh script have ### (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 getDestinationEntrySetForRelatedEntries/getSourceEntrySetForRelatedEntries methods can not work.</p> <p>Problem: When customers execute the sample scripts "getDestinationEntrySetForRelatedEntries.script and "getSourceEntrySetForRelatedEntries" they receive unexpected errors and</p>

Tracking number	APAR	PMR	Synopsis
			behavior.
WPC00031851	N/A	N/A	Abstract: Utility portlets should display "This portlet does not work 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: "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: 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

Tracking number	APAR	PMR	Synopsis
			<p>IT HAS THE MAXIMUM NUMBER OF CHARACTERS.</p> <p>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 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: 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>

2.2 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:</p>

			This is a UI code fix and does not require any implementation change in a customer environment.
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 <code>getSelectionByName()</code> 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 <code>getSelectionByName()</code> 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, <code>setDynamicSelectionQueryString (String query)</code>, is missing in the WPC Scripting API.</p> <p>Problem: The <code>setDynamicSelectionQueryString()</code> 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 <code>migrate5301to532.sh</code> 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 <code>WorkflowCache.sql</code> for DB2.</p> <p>Solution: The <code>migrate5301to532.sh</code> 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 - using specs with primary key of type "sequence" - using the same names for specs and catalogs in different companies.</p> <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</p>

			<p>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>
N/A	N/A	WPC00031909	<p>Abstract: The script <code>jmsGetMQConnectionFactory</code> operation fails for MQ Version 6</p> <p>Problem: Tightened security in MQ Version 6 requires a username in group <code>mqm</code>, 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 group <code>mqm</code>.</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 <code>mqm</code> 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> <code>jmsConnectionFactory</code> is a <code>QueueConnectionFactory</code>, <code>mquser</code> is a username in the <code>mqm</code> group and <code>mqpasswd</code> is the password for this user</p>

			<p>If credentials are supplied both in common.properties 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 common.properties, 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 getItemSetForCatalog() method results in java exceptions when using a loop with forEachItemSetElement. This exception also occurs for the forEachCtgItem method.</p> <p>Problem: Data corruption caused the incorrect behavior of the getItemSetForCatalog().</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 saveCtgItem() 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>
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>

2.3 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>

3. 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>If you move to the final page of a multi-edit session after making unsaved modifications and click OK in the dialog, then the UI loses the 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>
WPC00032236	<p>When <code>\$TOP/src/db/schema/cmp/create_cmp.sh --code=<Company Name></code> is run on a WPC stack running WebLogic 9.2 with script execution set to either <code>compiled_only</code> or <code>compiled_if_available</code>, several warning messages similar to the following will be displayed:</p> <ul style="list-style-type: none"> • <code><Java class filename></code> uses unchecked or unsafe operations where <code><Java class filename></code> is the name of a Java class that has been generated from a WPC Script, or • Recompile with <code>-Xlint:unchecked</code> for details. <p>These warnings can safely be ignored. If no other error messages were generated, the company has been created successfully despite these warnings and can still be used.</p> <p>Workaround: To stop receiving these warning messages, set <code>script_execution_mode=not_compiled</code> in <code>\$TOP/etc/default/common.properties</code>.</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>
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</p>

	<p>– 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; It is 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. For example: 1. Choose Any Item and run the following script to confirm item has no problem with WPC Query.</p> <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.println(item); .</pre> <p>2. Try to create new Item with same Primary key -</p> <pre>var item = new CtgItem("Item Catalog"); item.setCtgItemPrimaryKey("11"); item.saveCtgItem(); .</pre> <p>3. Try to Run WPC Query Again with same script in as step 1. Then you can see the following Error 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(...)</p> <p>Workaround: 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: var array = [[]];</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 var array = [[]]; will work in NON-Compiled mode.</p>

WPC00030692	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.
WPC00031420	Due to architectural limitations, users cannot get the Context Locations from selection results created by a WPC Rich Search with location attributes.
WPC00032000	<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 style="margin-left: 40px;">"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 style="margin-left: 40px;">// 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>
WPC00032034	A variable is assigned to take an Integer value in If part and assigned to an Austin Node in the

	<p>else part, hence causing the class cast exception</p> <p>Workaround: 1, Comment the line xmlID = -1 in the if part or 2, Initialise xmlID= null in the if part or 3, Redclare var xmlID in the else part</p> <p>var xmlID = new XmlDocument(getDocByPath(path));</p> <p>Impact: Modify the script such that you don't assign the same variable to values of different types in the script. This will cause class cast exception in compiled only mode.</p>
WPC00032161	<p>EntryBuild script always runs any time an entry is loaded. Thus, if persisted attributes are changed, the entries will seem to have modifications and need saving, even though the entry was not specifically edited. For categories, this causes concurrent modification errors to show up, and categories will not be saveable.</p> <p>Solution: Do not set persisted attributes in the entry build script unless the entry is new. This can be checked with new script operation isEntryNew(). Otherwise, entries will get inadvertently modified anytime they are loaded.</p> <p>Impact: You must not use the entry build trigger to change persisted attributes in non-new entries.</p>
WPC00032076	<p>WPC 5.3.2 must use Oracle 10.2.0.1 client to connect to the 9i or 10g database, specifically Oracle JDBC driver ojdbc14.jar of version 10.2.0.1.</p>
N/A	<p>WPC 5.3.2.2 basic functionalities work on the single tab view of the Internet Explorer Version 7 Web browser. The WPC functionalities on Internet Explorer Version 7 multi tab views are not officially tested in this release and unexpected WPC behavior may occur in the Multi-tab view. IBM does not support use of this feature within IE7.</p>
WPC00032333	<p>After restarting WPC, the Web Services will not work.</p> <p>Workaround: After restarting WPC, log in as the Admin user and go to Collaboration Manager -> Web Services -> Web Services Console. For each deployed web service, click the service name then click the Save button in the top bar without making any changes. You will then be able to use the Web Services.</p>
WPC00032344	<p>Authentication fails for Web Services for which authentication is required. This problem occurs because the WebLogic Server expects a valid username and password for the WebLogic Administration Console.</p> <p>Workaround:</p> <ol style="list-style-type: none"> 1. Log into the WebLogic Administration console 2. Under Domain Structure, choose Security Realms 3. Choose wl_default_realm 4. Go to the Users and Groups tab 5. For each user that you wish to be able to run authenticated Web Services:- <ol style="list-style-type: none"> a. Click New b. Under Name, enter a username of the form <WPC username>@<company code>, for example, Admin@trigo c. Enter a description for the user under Description d. In Password and Confirm Password, enter the user's WPC password. e. Click OK

	<p>6. When all WPC users have been added to the WebLogic security realm, log out of the WebLogic Administration console and restart the WPC processes.</p> <p>7. Due to known issue described in WPC00032333, you will also need to save all deployed Web Services in order to re-deploy them (this problem will be fixed in a future fix pack).</p>
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4. Requirements

This section includes several requirements that you must have before you apply WPC Version 5.3.2, Fix Pack 2.

4.1 Prerequisites

WebSphere Product Center 5.3.2 must be installed before you apply of WPC Version 5.3.2, Fix Pack 2.

If you are upgrading from a maintenance release between WPC Version 5.3.2 and WPC Version 5.3.2, Fix Pack 2, ensure that you have applied all configuration changes (for example, common.properties updates and schema changes) as stated this section of the release notes.

4.2 Database schema modifications

If upgrading from 5.3.2 to 5.3.2 FP002, you must make two database schema modifications:

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://ftp.software.ibm.com/software/websphere/wpc/fixpacks/5.3.2-FP002/add_date_column-oracle.sql`

For DB2:

`ftp://ftp.software.ibm.com/software/websphere/wpc/fixpacks/5.3.2-FP002/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 for Oracle databases only, use these SQL commands:

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

Make sure to create a backup copy 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.

4.3 Property file changes

Review and verify that all configuration files are updated appropriately.

Refer to the backup copy of the configuration files for the previous installation if needed.

The follow lists the configuration files and a description for each file that WPC uses:

- 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.

4.3.1 Changes to common.properties file

Modify the common.properties file to ensure that you can successfully use some of the features provided in this maintenance release:

Remove the following property from common.properties file : max_number_items_for_realtime_search=1000

Modify the following property in common.properties file:

change max_scripts_cache_timeout=60 to max_script_cache_timeout_in_seconds=60

Add the following properties and their values by copying and pasting the entire section below at the end of the WPC common.properties file:

```
Remove the following property "category_item_count_disabled" description,  
"# This count shows up in different pages of the UI such as left nav, basic selection, link attribute  
# popup, etc. Set to false to enable this count feature.  
"
```

Add below description for the property instead.

```
"# With this property enabled the categories would not be expandable to show child items. However search  
# and rich search will still work. This count shows up in different pages of the UI such as left nav,  
# basic selection, link attribute popup, etc.  
# Set to false to enable this count feature.
```

```
# 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

```

5. Installing this fix pack

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.

5.1 Preparing to install this fix pack

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

5.1.1 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 that 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.

5.1.2 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 fix pack will overwrite files that have changed. If any issues occur when installing this fix pack, this backup will allow you to 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.

5.2 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

5.2.1 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 $TOP/5.3.2-WS-WPC-WS6_ORA-FP002-08_update_from_5320-53.tgz
```

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

5.2.2 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 the default WebSphere Application Server, 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
```

5.2.3 Running the `analyze_schema.sh` script

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 might 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.

5.3 Verifying the installation

5.3.1 Starting WebSphere Product Center

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


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

The script starts all the services that you need to run WebSphere Product Center.

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

5.3.2 Starting the WPC services

Run the **\$TOP/bin/go/rmi_status.sh** script and verify that the following services have started correctly.

- admin_<machine name>
- appsvr_<machine name>
- eventprocessor
- queuemanager
- scheduler
- workflow

You have successfully applied the latest maintenance release for WebSphere Product Center!

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