Release Notes for InQuira 8.1

Contents

Release Notes 8.1.3.3

This document contains the following information for the InQuira 8.1.3.3 release:

- Upgrade Notices
- Configuring and Adding Detection Patterns for the XSS Filter
- Corrected Defects for InQuira 8.1.3.3
- Known Limitations

Upgrade Notices

InQuira 8 Customers on Oracle Databases

Before upgrading from a version earlier than 8.0.4.0.0, you must run the following script on the Information Manager database before proceeding:

```
ALTER TABLE INSTALLHISTORY MODIFY DATEAPPLIED TIMESTAMP(6);
```

Upgrading from 8.1.3.2

When upgrading from 8.1.3.2, the IM Upgrader runs the com.inquira.infomanager.migration.IM8133 migration class. This class will only run for customers that installed 8.1.3.2. The IM Upgrader provides the ability to apply a migration class directly but migration class com.inquira.infomanager.migration.IM8133 should never be called directly unless a customer is coming from 8.1.3.2.

Configuring and Adding Detection Patterns for the XSS Filter

The servlet XSS Filter intercepts all requests, in order to validate that the request parameters do not contain any malicious code. The filter uses regular expressions to detect malicious code patterns and can be easily expanded to support new detection patterns.

Adding a New Detection Pattern

By default, the XSS Filter detects and removes only script tags. A new pattern can be added by adding a new regular expression pattern to the `param-value` attribute of the `init-param` attribute of this filter in the `web.xml` (see the configuration example in "Configuring the XSS Filter"). Each new pattern should be preceded by a ":::" (three columns) delimiter and quoted in CDATA .

Example:

```
<![CDATA[<(script)[^>]*>(.*?)</script>:::another pattern]]>
```

Configuring the XSS Filter

The XSS Filter default configuration installs with the delivered installation package.If the delivered installation does not contain the XSS Filter or you need to configure it again, it can be configured in an existing Inquira Tag Library based application installation.

To configure the XSS Filter in a deployed installation, add the following snippet to the `web.xml` file for that application:

```
<filter>
    <filter-name>XSSFilter</filter-name>
    <filter-class>com.inquira.servletfilter.XSSFilter</filter-class>
    <init-param>
    <param-name>XSSRegEx</param-name>
    <param-value><![CDATA[<(script)[^>]*>(.*?)</script>]]></param-value>
    </init-param>
</filter>
<filter-mapping>
    <filter-name>XSSFilter</filter-name>
    <url-pattern>/index/*</url-pattern>
</filter-mapping>
```

Corrected Defects for InQuira 8.1.3.3

This section contains information about:

- Corrected iConnect (Contact Center Advisor) Defects
- Corrected Search Defects
- Corrected Information Center Defects
- Corrected Information Manager Defects
- Corrected Client Library Defects
- Other Corrected Defects

Corrected iConnect (Contact Center Advisor) Defects

Number	Summary	Product
20353	Failure to add CaseLinks with 8.1.3. GA release	iConnect

Corrected Search Defects

Number	Summary	Product
20397	Incremental crawl fails with java.util.ConcurrentModificationException	IS-Crawler

Corrected Information Center Defects

Number	Summary	Product
20280	Localizing Content Ratings Causes Questions to show incorrectly	IM - InfoCenter

Corrected Information Manager Defects

Number	Summary	Product
19469	IAuthentication fails if the view is changed from IM console	IM - Mgmt Console
19569	Unable to export repository	IM - Mgmt Console
19574	Translated content record is not imported automatically when "Content Batch Monitor" job run on schedule	IM - Mgmt Console

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Number	Summary *(continued)*	Product
19816	8.0.4.17 Expiry notification tasks being sent to incorrect user	IM - Mgmt Console
19988	Enactment of IM Reference does not differentiate between published and unpublished content	IM - Mgmt Console
20322	Portlets cannot be configured	IM - Mgmt Console
20641	getChannels & getChannel fails when channel has meta data	IM - WebService
20642	Create content method's inputXML does not contain </SECURITY>	IM - WebService
20925	IM Console slow performance	IM - Mgmt Console

Corrected Client Library Defects

Number	Summary	Product
20037	Client Library - Error occurs when saving meta data for content	Client Library API
20308	form.dataform tag causes a deadlock when used in a get.channel.record tag	Client Library API
20866	Client Library Unable to work with IM and Runtime	Client Library API

Other Corrected Defects

Number	Summary	Product
18763	An error when importing concepts	Dictionary Service
20331	"Match against question" does not match concepts correctly/at all	Workbench
20473	webservices.app.url value hardcoded to the "localhost	IM Installer
20515	TestDrive collapses with overlapping concepts	TestDrive
20602	Decryption API for encrypted properties file - Phase I	Content Service
20657	NullPointer Exception occurred when executing IM data migration class IM80300	IMUpgrader
20889	Upgrade 7.3.1.39 to 8.1.3.1 fails to start IM after upgrade due to SQL errors in "sql/mssql/BUILD_8101.sql".	IMUpgrader
21076	IM Upgrader's JDBC Transaction Manager throws NPE	IMUpgrader
21077	The severity of the messages being logged is unclear	IMUpgrader
21078	IM Upgrader can not update the INSTALLHISTORY table when upgrading from a pre 8.0.4 version	IMUpgrader

Known Limitations

The SMTP_PASSWORD is not saved in the config.properties file following Information Manager standalone installation.

Workaround:

After installing the standalone version of Information Manager 8.1.3.3, open the IM Management Console and navigate to Tools | System | Configure. Select **Email Configuration** and edit the properties for the SMTP userid, password, and host as needed.

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Release Notes 8.1.3.2

This document contains the following information for the InQuira 8.1.3.2 release:

- **New Feature for InQuira 8.1.3.2**

New Feature for InQuira 8.1.3.2

InQuira 8.1.3.2 introduces the following new feature:

- **InQuira Information Manager config.properties File Encryption**

InQuira Information Manager config.properties File Encryption

InQuira Information Manager provides enhanced security with file encryption

As of 8.1.3.2, all values in the `config.properties` file must be encrypted. Information Manager handles the encryption as data is added.

Configuration files are located in these directories:

- `IM_HOME\config\SYSTEM\config.properties` – The default `config.properties` file.
- `IM_HOME\config\[domain.name]\config.properties` – Domain-specific configuration files that override the default `config.properties` file.

Information Manager application.properties File Database Password Encryption

The Information Manager database password in all `application.properties` files must be encrypted. The application.properties files are located at

    IM_HOME\config\[domain.name]\application.properties

To manually change the encrypted database password, the user must be able to encrypt the new value. For this purpose a new set of scripts have been added to the `INSTALL_DIR\bin` folder: encrypt.{bat,sh}, for Windows and Unix systems, respectively. To encrypt a value, enter the command followed by the value to be encrypted as follows:

Windows `encrypt <value>`   **Unix** `encrypt.sh <value>`

This command prints the encrypted value. The encrypted value can be copied and pasted into the `application.properties` file.

For security reasons, there is no decrypt command.

Release Notes 8.1.3.1

This document contains the following information for the InQuira 8.1.3.1 release:

- Enhancements for InQuira 8.1.3.1
- Corrected Defects for InQuira 8.1.3.1

Enhancements for InQuira 8.1.3.1

InQuira 8.1.3.1 introduces the following enhancements:

- Category Selection Enhancements
- Content Preparation Enhancements

Category Selection Enhancements

Enhanced category selection provides a simplified interface and improved usability

The Information Manager category selection feature provides the following enhancements.

ROLLOVER & FORMATTING CHANGES

- On hover shows the category ancestry as a tooltip positioned so that the user can still see the text that they have hovered over.
- On hover displays the full path/ancestry for all categories, not only those that have been truncated.
- Removed alternating background color on Available and Added.

SEARCH/BROWSE CHANGES

- A new dropdown menu to easily switch between browse mode and search mode.
- User cannot navigate the hierarchy when in search mode.
- When a user enters a search, the result list does not display the category ancestry by default. The category ancestry still displays on rollover.
- The number of search results no longer displays in search.
- The search box and dropdown toggles are the same width as the results box.
- A new "Clear" icon next to the search box restores the user to the unfiltered view.
- When a user is in browse mode, the ancestry in the breadcrumb and on rollover remains available, but when in search mode, the breadcrumb below the search/browse toggle has been removed.
- The Search for category option requires a minimum of 20 categories, allowing users to leverage the time-saving benefits of toggling between browse and search methods of selecting categories.

Content Preparation Enhancements

Document conversion updates provide complete support for PDF files and Microsoft Office 2007 files

Intelligent Search enhancements provide full support for Stellent 8.2.2 after upgrading from Stellent 8.1.5, including:

- Improved support for tables and cells in PDF files. Table cell data parses correctly, allowing tokens/concepts within cells to be searched out.
- Improved support for non-English language PDF files. Previously, PDF files in some non-English languages, displayed garbled characters in search results, now they convert correctly.
- Improved PDF file conversion produces more consistent results.
- Improved support for language/encoding detection for PDF files. For example, Stellent accurately detects cp866 (Cyrillic DOS) encoding and the Slovakian language.
- Full support for Microsoft Office 2007 documents.
- Improved handling of Stellent conversion failures so the same type of document can continue to be processed after a previous failure. After a conversion failure reported by Stellent, Information Manager moves on to next document processing with Stellent.

    Note: There are known issues with Stellent in handling some special documents.

Corrected Defects for InQuira 8.1.3.1

This section contains information about:

- Corrected Search Defects
- Corrected Information Manager Defects
- Corrected Client Library Defects
- Other Corrected Defects

Corrected Search Defects

Number	Summary	Product
15270	MLD - Fails to fully crawl documents with encoding "cp866"(Cyrillic DOS).	Crawler - IM
17269	Preprocess - Failed to preprocess "login" page after set Form Auto-Submit.	Crawler - IM
17277	Slovakian locale has incorrect ISO Code - breaks IM Crawler	Crawler - IM
17296	Preprocess - An English PDF file is identified as Language "nl-NL".	Crawler - IM
17483	Upgrade Stellent to be able to provide Microsoft Office 2007 support	Crawler - IM
17511	Preprocess fails on a specific PDF file.	Crawler - IM
17676	Prep - PDF - The Stellent converter fails when prepping a PDF file.	Crawler - IM
18126	PDF converter doesn't put spaces between contents of adjacent table cells	Crawler - IM
18955	Japanese PDF files display garbage text in the search results excerpt.	Crawler - IM
19256	PDF files were not crawled/indexed properly (while another PDF with almost identical content is crawled/indexed fine) with v8.1.2.3	Crawler - IM
19867	PDF search results use large text on 1st page despite configuration to use title	Crawler - IM
20225	Preprocess of all Excel docs failing.	Crawler - IM

Corrected Information Manager Defects

Number	Summary	Product
19609	Issue with workflow task synchronization between IM console instances	IM - Management Console
20005	Category Picker updates	IM - Management Console

Corrected Client Library Defects

Number	Summary	Product
19361	ClientLibrary ContentRecordITO functions not working as expected	IM Client Library
19518	Client Libraries issues with migration - date and user parameters not used	IM Client Library
19769	API for extending the crawler to add additional url links to be crawled from each document	Search Client Library

Other Corrected Defects

Number	Summary	Product
19406	Incorrect page references and order of steps in Search Installation Guide	Documentation

Release Notes 8.1.3

This document contains the following information for the InQuira 8.1.3 release:

- **New Features for 8.1.3**
- **Corrected Defects for 8.1.3**
- **Known Limitations for 8.1.3**

New Features for 8.1.3

InQuira 8.1.3 introduces the following new features:

- **InQuira iConnect for Siebel Contact Center Enhancements**
- **Dictionary Upgrade Utility**

InQuira iConnect for Siebel Contact Center Enhancements

Renamed and redesigned, iConnect provides simplified deployment and improves user experience

InQuira 8.1.3 renames Contact Center Advisor as iConnect and introduces iConnect for Siebel Contact Center.

The updated iConnect for Siebel Contact Center includes a refined installation process and a tighter integration with the Siebel Call Center desktop. The enhanced iConnect makes it simple to link cases and solutions as well as search and update solutions. A new single sign-on feature compliments the tighter integration. Also, the user interface and web service components have been updated

Single Sign-on

The new Single Sign-on (SSO) feature enables a Siebel user to automatically log into InQuira's InfoCenter, gaining immediate access to solutions and associated cases.

User Interface Enhancements

The iConnect for Siebel Contact Center includes many user interface enhancements that improve creating, searching, and case linking solutions.

Web Service Compatibility with Siebel 8.0

The iConnect for Siebel Contact Center includes web services compatability with Siebel 8.0 applications.

Dictionary Upgrade Utility

InQuira Intelligent Search expanded capabilities support SLD to MLD upgrades

InQuira Intelligent Search now provides an extension of the existing import/export functionality to manage upgrades from the Single-language dictionary (SLD) to the Multi-language dictionary (MLD).

See the *Upgrading InQuira* documentation for details on using the Ontology Upgrade tool.

Important! Review the "Dictionary Manager Known Limitations" on page 16 prior to installing or upgrading InQuira.

Corrected Defects for 8.1.3

This section contains information about:

- **Corrected IM Analytics Defects**
- **Corrected iConnect (Contact Center Advisor) Defects**
- **Corrected Search Defects**
- **Corrected Information Manager Defects**
- **Corrected Information Manager Defects**
- **Corrected Tag Library Defects**
- **Corrected Web Services Defects**
- **Other Corrected Defects**

Corrected IM Analytics Defects

Number	Summary	Product
17929	Analytics: Locale information is limited in IM Analytics	Analytics - ETL
18172	Reuse Count not accurate in Content Usage, CaseLink Details, and Accessed Content Case Link Details	Analytics - ETL
12280	Runtime server time zone differences are not handled	Analytics - ETL
16641	Cannot log search log	Analytics - ETL
18495	Problem with analytics log loading due to MYSQL content db	Analytics - ETL
17227	Analytics Log Loading error - SWA	Analytics - ETL
18927	Analytics -d doesn't terminate	Analytics - ETL
16579	Content feedback report errors out (with "unable to extend temp segment by 128 in tablespace TEMP") even though tablespace is set at least 1.5G.	Analytics - IM (Reporting)
18048	Content Feedback has Invalid Average Rating Value	Analytics - IM (Reporting)
15449	Documents left out of the Content Created report	Analytics - IM Operational (Reporting)
17736	IM Operational Published Content and Content Created Reports are timing out on 1 day date range.	Analytics - IM Operational (Reporting)
18496	IM operational report against MySql	Analytics - IM Operational (Reporting)
17734	The Queries Without Responses Report Show Questions That Have Responses	Analytics - Reports
18172	Reuse Count not accurate in Content Usage, CaseLink Details, and Accessed Content Case Link Details	Analytics - ETL

Corrected iConnect (Contact Center Advisor) Defects

Number	Summary	Product
18213	Facet list disappear when feedback submit button is clicked in the cca.jsp	CCA
18810	Servlet.service() for servlet jsp threw exception java.lang.ArrayIndexOutOfBoundsException	InfoCenter - CCA
19519	createContent in IMWS does not set author and owner from request	CCA

Corrected Search Defects

Number	Summary	Product
17141	Help configuring a database crawl in v8.0.4-33	Crawler - DB
17071	Web Crawler (8.1.0.1.6) does not handle relative urls that only consist of a query string	Crawler - Http
16233	Web collection will not produce index in second environment	Crawler - Http
17957	Depth directive ignored on incremental crawls	Crawler - Http
17504	MLD - b44 - 8.1.0.1.11 - IM Crawler does not pick up incremental changes	Crawler - IM
18904	IM category labels are not being used while creating iqxml for docs	Crawler - IM
16919	Does the IM incremental crawler pick up the change of just a new category added to an existing article?	Crawler - IM
17575	8.0.4 IM Crawl Fails with a NPE message	Crawler - IM
16380	Stackoverflow exception during full indexing for IM collection at remote workclient	Crawler - IM
16217	The modified contents cannot be updated with "ALL" as "Publishing Status".	Crawler - IM
17718	Churning Crawl of IM Channel	Crawler - IM
19732	Basis throws GLIBC link exception during crawling	Crawler - Http
10469	The content in the first attribute of a sub-node is not crawled.	Crawler - IM
17178	All clients using secure attachments - IM secured attachments crawls fail	Crawler - IM
17718	Churning Crawl of IM Channel	Crawler - IM

Corrected Information Manager Defects

Number	Summary	Product
17753	IM Content Creator needs to call tech team to restart the runtimes for IM content changes to appear in search results	IM - Management Console
17958	Repository Delete does not appear to be a cascading delete	IM - Management Console
17328	Repository Merge failing with OutOfMemory for configuration only merge	IM - Management Console
18088	Problem with Custom Authentication with upgraded from 8.0.4.0.17 to 8.1.2.3	IM - Management Console
18827	Batch size reduces over time causing localized articles to not import	IM - Management Console
19121	IM Console is un-usable when ratings are on an article	IM - Management Console
19066	Locale dropdown during content add/edit isn't used during Spell Checking	IM - Management Console
16685	Circular nesting in LDAP cause a stack overflow in LDAP processing	IM - Management Console
16297	Performing a "Search all Attributes" operation on Customer's channel returns all records for that channel	IM - Management Console
16590	Deletion of a node fails to delete any attachments within the node	IM - Management Console

Number	Summary *(continued)*	Product *(continued)*
16074	Adding new version of article fails for large number of attachments	IM - Management Console
13497	Content Subscription emails sent on "edit" rather than "save"	IM - Management Console
18551	New created "Send subscription emails" batch job does not work.	IM - Management Console
18695	Search - IM Channel Repeating Node values are missing from the iqxml	IM - Management Console
19006	MANAGEMENT_CONSOLE_URL not set properly	IM - Management Console
19206	IM Article Subscription - False Notifications on IM Article Modifications	IM - Management Console
19402	Subscription fails when the users are added from IM console	IM - Management Console
19404	One cause for IM hanging	IM - Management Console
19415	The "Subscription Email Immediately" batch job does not work.	IM - Management Console
19555	IM sends duplicate emails when too many subscriptions are being handled	IM - Management Console

Corrected Tag Library Defects

Number	Summary	Product
16672	Portlet ordering in infocenter is not working	IM - InfoCenter
17124	Infocenter "Recently viewed articles" in user profile page disappears after you view it the first time	IM - InfoCenter
16777	Infocenter "back to answers" link gives empty search page	IM - InfoCenter
13544	Discussion on a channel article does not work in InfoCenter	IM - InfoCenter
19352	Security Issue- remove Regular Expression changes introduced to fix TT18757 interferes with encoded search queries	IM - InfoCenter
17451	Alphabetical Sorting tags sorts CAPs ahead of small letters	IM - InfoCenter
14214	Jump to Page with search Action in Taglib	IM - InfoCenter
18596	Users sometimes cannot unsubscribe from channels	IM - InfoCenter
18437	Subscription Notification - Content Subscribers are notified on a Cancelled Edit	IM - InfoCenter
18714	Arbitrary HTML injection via URL	IM - InfoCenter
13837	InfoCenter UI doesn't correctly handle facets with special characters, such as "&", in the facet name	IM - InfoCenter
18092	Unable to unsubscribe from a channel subscription with 2+ categories	IM - InfoCenter
14884	IM:sitemap ssl attribute not behaving correctly	IM - InfoCenter
17915	8.0.4.17 - infocenter broken once a user is deleted	IM - InfoCenter
17989	InfoCenter "Manage Document" link works for some users and not others	IM - InfoCenter
18350	InfoCenter Subscriptions - "Always subscribe to topics..." User Settings do not work	IM - InfoCenter

Number	Summary (continued)	Product (continued)
17534	InfoCenter displays header HTML tag incorrectly	IM - InfoCenter
18022	IC 8.1.2.3 - Anchor for IM Highlighting is always blank	IM - InfoCenter
18192	get.channel.record fails when recordid and securedbyview are used together	IM - InfoCenter
16760	InfoCenter OOB Bugs	IM - InfoCenter
18111	Search Results "Paging" issue in testing Patch 8.0.3.26	IM - InfoCenter
18438	Intermittent session error when navigating from IC to IM via URL create by IM:manage.content	IM - InfoCenter
16582	Layout is broken when ask double-byte question first and then login.	IM - InfoCenter
17267	Use can receive content notification even though the content is not changed.	IM - InfoCenter
17792	General - InfoCenter should pass the user's IP to the search runtime rather than the IP of the InfoCenter server	IM - InfoCenter
18127	Change infocenter footer wording from "Release" to "Version"	IM - InfoCenter
18988	Login Portlet incorrectly re-encodes the question box value when logging in the Search Results	IM - InfoCenter
19543	get.content.data tag is always sorting by priority.	IM - InfoCenter
19654	IMUpgrader for InforCenter config and resource properties	IM - InfoCenter

Corrected Web Services Defects

Number	Summary	Product
19221	Case unlink web service call always return "-1" even when it is successful	IM - WebService
19055	Upgrade to 8.1.2.4 from 8.0.4 - performance issues on runtimes (unresponsive) - suspect imws authentication	IM - WebService
17139	Intent Responses does not update in runtimes	IM - WebService
18920	Java client library created localized content error	IM - WebService
19586	IMWS: Add ability to translate documents using the Client Library	IM - WebService

Other Corrected Defects

Number	Summary	Product
16337	IM Search Tab search result missing "Source" on IM Content	Indexer
18365	Out of the Box createContent Webservices does not create localized content	Content Service
18949	Left-behind files in prep-temp directory for every crawl cause rapid depletion/'leak' of diskspace over time	Content Service
17503	MLD - b44 - Classification fails causing search to go out	Dictionary Service
16666	Scheduler - Weekly scheduled task does not run as expected after one month	Scheduler
16668	Ontology Classification Periodically Creates a Bad Facet Label or All of the Facets Disappear	Facet Navigation
16898	Content Usage Needs to be broken up for performance	Content Service
16093	Search log loading task fails due to propagation occurring	Infrastructure
19037	IM Categories (facets) display as Reference_keys instead of display values	Language Group

Number	Summary *(continued)*	Product *(continued)*
14849	Out of Memory Issues in TestDrive	Test Drive
15360	Running out of Memory in TestDrive	Test Drive
14462	Infinite loop	UI
17926	Facet Restrictions in Rules Result in Disappearing Sibling Facets and False Document Counts	Run Time
18278	Localization Issue - Search Tips Title in English when Russian or Ukrainian Locale Selected	All InQuira Products
18366	InfoCenter - Unable to view recently viewed IM documents under My Profile	All InQuira Products
18847	Security issue with out of the box IM.get.category.data tag (i_cat_selector.jsp)	Web App Security
19379	In 8.1.x it is no longer possible to compare a variable to an empty value, like could be done in 8.0.x	Workbench
16187	Dictionary Manager - The user who only has "Administration Console View Only" permission has edit privilege in advanced config...⤸	Workbench
19290	Importing SLD concepts to MLD - three part name parsed incorrectly when it contains a dot	Workbench
19399	Certain concept names not converted correctly in SLD->MLD upgrade	Workbench
15070	Crawled IM collections classified under the CMS_SECURITY.grant.PUBLIC facet, so are all non-IM collections despite set	Indexer
19659	IM installer issue with 8.1.3. pre release	Installer
17671	Validate Alias List option - after the errors are displayed there is no way to close either the incorrect keys window	Workbench
19588	Request Parameter passed in the question in TD or QM is being treated as part of the question	Workbench

Known Limitations for 8.1.3

Dictionary Manager Known Limitations

Please note the following known limitations for the InQuira 8.1.3 Dictionary Manager:

- After a rule has been imported from 8.0 to 8.1, it will always prompt the user to save changes when it is being closed, even if no changes have been made.
- Disabled dictionary objects imported from 8.0 to 8.1 will become enabled.
- Workbench users do not get committed after they have been imported from 8.0 to 8.1. Instead, you must commit them manually. To do this, open an ICE prompt and enter the commands:

```
        svn add <installation-
root>\instances\<instance>\development\content\applications\default\userdata\use
rs\_META_USER\user

        svn commit <installation-
root>\instances\<instance>\development\content\applications\default\userdata\use
rs\_META_USER\user
```

- Domain names created for 8.1 cannot contain periods, because they will not be visible in the domain list editor or the find tool.
- After concepts have been imported from 8.0 to 8.1, the mapping file is not reloaded with custom concept names. The dictionary manager must be restarted before importing other dictionary objects in order to pick up these changes.
- The concepts for US cities are not delivered as part of 8.1 because there are a large number and they are often not useful for customers. If these concepts are needed, either for an upgrade or a new installation, please contact engineering for import sheets.

Rebuilding Content XML files for IM Crawler with SQL Server Repository

There is an unresolved issue in 8.1.2.4 and earlier builds of Information Manager using Microsoft SQL Server to store the IM repository. The error is caused by an incorrect value in the CONTENTTEXT table in the WFSTEPID column. This column should contain either a GUID that represents the workflow step record from the WORKFLOWSTEP table or a NULL value. Exceptions similar to the following are thrown when the column contains invalid values including the empty string ''.

```
730812 [Thread-59] ERROR
com.inquira.services.XMLFormatters.AbstractContentTextFormatter - Error formatting
contenttextpub record 100129d8c6cbd011ebd801d2d00168
er.extensions.eof.ERXDatabaseContextDelegate$ObjectNotAvailableException: No
com.inquira.model.WorkflowStep found with globalID: <WorkflowStep: [recordID: ''] >
at
er.extensions.eof.ERXDatabaseContextDelegate.databaseContextFailedToFetchObject(ERX
DatabaseContextDelegate.java:289)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
```

This exception is thrown when trying to rebuild the XML files used by the IM crawler that are stored on the CONTENT_RESOURCE_MOUNT_POINT. If the rebuild XML operation fails, the InQuira Search engine will not be able to index the document and will not return it in search results. If the document has already been indexed, it will remain in the index until the document is changed or if a CONTENT RESET occurs causing the IM Crawler to try to reindex the document.

Workaround

In order to resolve this problem manually until the software can be properly patched the following workaround should help.

1   Stop the IM applications.

2   Issue the following SQL statement and commit the changes:
```
UPDATE CONTENTTEXT
SET WFSTEPID=null
WHERE WFSTEPID ='';
```

3   Restart the IM applications.

It maybe necessary to perform this on a regular basis until the software is patched. This issue is documented in Test Track defect 18604.

Release Notes 8.1.2.7

This document contains the following information for the InQuira 8.1.3 release:

- **New Features**
- **Known Limitations**
- **Documentation Addenda**

New Features

InQuira 8.1.2.7 introduces the following new features:

- **Ontology Language Support in Polish**

Ontology Language Support in Polish

Inquira Intelligent Search now supports Polish. See "Documentation Addenda" to add a new locale/language.

Important! The Information Manager UI features *do not* support Polish.

Known Limitations

The following sections contain known limitations for:

- **"IM Analytics "**
- **"Information Manager"**

IM Analytics

Number	Summary	Product
18495	The analytics log loading process from within System Manager fails with an error caused by the MySQL content database. Related to 19296.	Analytics IM Operational (Reporting)
18496	To generate IM operational reports, MSTR server must connect to the IM db directly. The client environment has IM in a MySQL database. The MySQL driver can be added to connect to the MySQL database from MSTR server. However, the report generation produces SQL errors and as a result IM operational reports against the IM MySQL database cannot be generated.	Analytics IM Operational (Reporting)
19296	Running "scheduler.sh run Analytics -imd" with IM content database on MySQL causes a MySQLSyntaxErrorException during ETL.	Analytics IM Operational (Reporting)
19367	Failed to open "Accessed Content Case Link Details" report after upgrading.	Analytic IM Operational (Reporting)

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Information Manager

Number	Summary	Product
19371	The date format of "Date" attribute should be consistent with the console user locale in IM Console.	IM - Management Console

Documentation Addenda

This section lists documentation addenda for the following guides:

- **Intelligent Search Optimization Guide**
- **Information Manager Administration Guide**

Intelligent Search Optimization Guide

Chapter 3: Personal Navigation Setup, "Implementing Personalized Navigation," Classifying Content Based on Language

The Language classifier creates a taxonomy based on document language. It generates a facet for each selected document type:

- English
- German
- Japanese
- Spanish
- French
- Italian
- Korean
- Traditional Chinese

When end users select a language-based facet, the application restricts results to documents identified as being in the specified languages.

To create a new, language-based facet, follow the instructions under Defining Taxonomies using the folllowing guidelines

1   Create the facet with an identifiable label, i.e Test_<Language>.

2   Configure the facet with the expected language for it (i.e German).

3   Add the facet into the language based label list, and save.

4   Create a new Rule for Facet Restriction.

5   Run Classification and Synchronization.

Chapter 3: Personal Navigation Setup, "Personalized Navigation Application Classification Components," Unstructured Data Classifiers

The Language Classifier

This classifier classifies documents based on their encoded language.

Basic Setting	Description
Language	Select one or more languages to include in this taxonomy. Each selected language creates a separate facet.

Information Manager Administration Guide

Chapter 9: Tools Menu, "Managing Supported Locales", Adding a Locale

1 Log in to the Management Console as a SUPER user.

2 Navigate to the TOOLS | Locale Management | Configure menu.

3 Click **Add Locale**. Figure 1 shows the locale edit/add screen.

4 From the drop down menu on the right, choose the locale that you want to add. The drop down selection populates the fields.

5 Make note of the ISO code and the numeric locale code. *

6 Adjust the default time and date formats as required.

7 Make sure that the **Locale Active** checkbox is checked. This makes the locale available to be assigned to a repository.

8 The **Group Default** checkbox is used to indicate if the current locale/language combination is the default in the event that there are multiple locales for a single language. For example, there might by multiple English locales configured: en_US (United States), en_GB (Great Britain).

9 If possible, use a localized string for the locale name.

Important! Make sure to use a 5 character ISO code in IM. Using a 2 character locale code will cause problems. In Figure 2, the drop down populated the ISO Code as sk. The full locale code was manually edited to sk_SK. (There have been TT defects recorded about this behavior already.) The format of the ISO code is language_LOCATION using standardized 2 character codes.

Adding a New Locale to an Existing Repository

After the locale has been added to the system it can be added to a new or existing IM Repository. In order for a locale to be added to a Repository it MUST be active (see step 7 above).

1 Switch to the desired repository and click on Repository | Manage.

2 Select **Edit Repository** in the Properties box on the right.

3 Choose the **Default** and **Supported** locales that are to be added to the repository.

INQUIRA.

Updating the IM Management Console HTML Resources

If the IM Management Console will be used to create or edit content for the new locale, it maybe necessary/desirable to update the FCKEditor, pop up calendar/date picker, and spellchecker components. Prior to updating the IM Management Console resources, stop all IM applications. After updating the resources, rebuild the InfoManager WAR using the JDK jar command.

FCKEDITOR

The FCKEditor resources are stored in $INQUIRA_ROOT/instances/<instance name>/appserverim/ webapps/InfoManager/resources/components/fckeditor. All localizations are stored in the editor/lang folder.

SPELLCHECKER DIALOG BOX

The spellchecker dialog box HTML is contained in the $INQUIRA_ROOT/instances/<instance name>/ appserverim/webapps/InfoManager/resources/components/speller folder. Copy the 1033 (English) folder and rename it to the same numeric locale code that was created when adding the new locale. This folder can be translated to update the UI to match the language.

CALENDAR DATE PICKER

The javascript date picker component is stored in the $INQUIRA_ROOT/instances/<instance name>/ appserverim/webapps/InfoManager/resources/components/calendar folder. Copy the calendar_en.html file and rename it with the language attribute of the new locale.

Updating $IM_HOME Resources

The $IM_HOME location contains some components that should be updated to support the new locale. Make all of the changes on a single system and then copy the changes to the exact same location on each server/installation that has a separate $IM_HOME installation.

INQUIRA.

Email and Task Notification Templates

All email and task notification templates are localized in the file system. The default templates for all repositories are stored under $IM_HOME/config/SYSTEM/taskconfig. Copy each template for the _en locale and rename it with the 2 character lowercase language code.

If any of the email or task notification templates have been modified for a repository, the customized versions of the templates are stored under $IM_HOME/config/<REPOSITORY>/taskconfig. Copy the English version of each template and rename it with the 2 character lowercase language code.

Spellchecker Dictionary Files

Copy all of the *.tlx and *.clx files from the $IM_HOME/ssce folder into a new folder with the complete 5 character ISO code.

Default InfoCenter/New Tag lib Files

When a new web application is registered the files are copied from the $IM_HOME/install/taglib folder. Currently this is the location from where the default InfoCenter is created.

Copy and rename the $IM_HOME/install/taglib /WEB-INF/ApplicationResources_en.properties and client.properties files to the new language.

Copy the changed resources/application/components/fckeditor, resources/application/components/speller, resources/application/components/calendar folders from the IM mgmt console to $IM_HOME/install/taglib/ resources

Updating Existing Deployed InfoCenter Applications

If there are existing InfoCenter based applications that have already been deployed they can be updated in the same manner as the Default InfoCenter/tag library files from the previous section.

IM Client Library/Web Services

There are no required changes to IMWS if manually adding a new supported locale.

INQUIRA.

Release Notes 8.1.2.5

This document contains the following information for the InQuira 8.1.2.5 release:

- **New Features for 8.1.2.5**
- **Corrected Defects for 8.1.2.5**
- **Known Limitations**

New Features for 8.1.2.5

InQuira 8.1.2.5 introduces the following new features:

- **Information Manager Log Loading Enhancements**
- **Information Manager Client Library Enhancements**
- **Custom Classifier Requirements**

Information Manager Log Loading Enhancements

Modifications to loading and processing improve performance

Enhancements to the data loading process provides processing in stages and employs the database engine to perform a complete set of comparisons against the data. Employing the database engine as the comparison tool reduces temp space usage and creates significant improvements in processing speed.

The following tables have been modified for this enhancement:

- **ms_im_rating_dim**
- **ms_im_access_activity_fact**
- **ms_im_workflow_step_dim**

Information Manager Client Library Enhancements

New methods to retrieve Repository information, and new methods for retrieving Users, Roles, and Views

The Information Manager Client Library contains several new API services—including Content Recommendations, Security Role, User Groups, Views, and Work Teams— designed to streamline the returning of a Repository ITO; and new methods to retrieve the Users, Roles, and Views of a repository by referencekey. These new services provide a number of new method calls to work with ITOs. In addition, the API was reviewed and a number of methods in various services and ITOs have been deprecated. These methods can have an adverse impact on performance when used in repositories with large numbers of users, categories, or content.

Important! If these deprecated methods are currently used in existing code bases, migrate your code now to avoid issues with later releases. These methods WILL be removed in the next major release.

RepositoryITO Deleted and Modified Methods

The following methods are no longer exposed through the RepositoryITO. If a repository has a massive amount of users, performance can be crippled by trying to pass them back with the object.

Warning! These methods *are not* backward compatible to the previous versions of the API.

The following methods have been **deprecated for renaming**:

- autoAssignOnApprove
- autoAssignOnInit
- autoAssignOnReject
- autoAssignTranslation
- selfAdminCats
- selfAdminLocales
- selfAdminTeams
- skillsBranchTaskFiltering

And **renamed** to:

- autoAssignWorkflowWhenApproved
- autoAssignInitialWorkflow
- autoAssignWorkflowWhenRejected
- autoAssignTranslationTask
- usersCanSelfAdminCategories
- usersCanSelfAdminLocales
- usersCanSelfAdminTeams
- filterTasksForUsersMatchingSkills

The following methods have been **deprecated**:

- templateLocation
- designatedUserRegSchema
- designatedUserRegStykesheet.
- allContentChannelPrivileges
- assignSurveys
- contentChannelList
- contentRecomendations
- dataListList
- discussionBoards
- discussionBoardsForView
- registeredChannels
- reputationConfigList
- rolesInSubsites
- sevurityRoles
- stylesheetList
- surveyList
- surveyResults
- tokens

The following methods have been **deleted** from the ITO:

- public List<UserKeyITO> getUsersForDefaultSubSite();
- public void addToUsersForDefaultSubSite(UserKeyITO value);
- public void removeFromUsersForDefaultSubSite(UserKeyITO value);
- public void setUsersForDefaultSubSite(List<UserKeyITO> value);

The following methods have been **deleted:**

- public List<UserKeyITO> getUserList(String locale);

- public void addToUserList(UserKeyITO value);
- public void removeFromUserList(UserKeyITO value);
- public void setUserList(List<UserKeyITO> value);
- public List<UserKeyITO> getUsersForView();
- public void addToUsersForView(UserKeyITO value);
- public void removeFromUsersForView(UserKeyITO value);
- public void setUsersForView(List<UserKeyITO> value);

The following CaseLink methods have been **deleted** from the RepositoryITO:

- public List<CaseLinkKeyITO> getCaseLinks();
- public void setCaseLinks(List<CaseLinkKeyITO> value);
- public void addToCaseLinks(CaseLinkKeyITO value);
- public void removeFromCaseLinks(CaseLinkKeyITO value);

Equivalent methods are available through the ContentRecordService such as;

- public CaseLinkITO createCaseLink(CaseLinkITO caseLink, CaseLinkContentITO caseLinkContent, ContentRecordKeyITO contentRecord) throws ContentRecordServiceException;
- public CaseLinkITO deleteCaseLink(CaseLinkITO caseLink, ContentRecordKeyITO contentRecord) throws ContentRecordServiceException;
- public List<CaseLinkKeyITO> getCaseLinks();
- public Boolean setCaseLinks(List<CaseLinkKeyITO> value);
- public Boolean addToCaseLinks(CaseLinkKeyITO value);
- public Boolean removeFromCaseLinks(CaseLinkKeyITO value);

The following methods have been **deleted**:

- public void setRolesInSubsites(List<SecurityRoleKeyITO> value);
- public List<SecurityRoleKeyITO> getRolesInSubsites();
- public void addToRolesInSubsites(SecurityRoleKeyITO value);
- public void removeFromRolesInSubsites(SecurityRoleKeyITO value);

The following methods have been **deleted**:

- public void setSecurityRoles(List<SecurityRoleKeyITO> value);
- public List<SecurityRoleKeyITO> getSecurityRoles();
- public void addToSecurityRoles(SecurityRoleKeyITO value);
- public void removeFromSecurityRoles(SecurityRoleKeyITO value);

Equivalent methods are available from the SecurityRoleService:

- public List<SecurityRoleKeyITO> getSecurityRolesForView(String viewReferenceKey, String locale, int limit);
- public Boolean addToSecurityRolesForView (String viewReferenceKey, List<String> securityRoleRefKey);
- public Boolean removeFromSecurityRolesForView (String viewReferenceKey,, List<String> securityRoleRefKey);
- public Boolean setSecurityRolesForView (String viewReferenceKey, List<String> securityRoleRefKey);

The following methods have been **deleted**:

- public void setTagList(List<EditorGroupKeyITO> value);
- public List<EditorGroupKeyITO> getTagList();
- public void addToTagList(EditorGroupKeyITO value);
- public void removeFromTagList(EditorGroupKeyITO value);

Equivalent methods are available from the CategoryService:

- public List<CategoryKeyITO> getCategoryListForRepository(String repositoryReferenceKey, String locale, int limit);

The following methods have been **deleted**:

- public void setUserGroups(List<EditorGroupKeyITO> value);
- public List<EditorGroupKeyITO> getUserGroups();
- public void addToUserGroups(EditorGroupKeyITO value);
- public void removeFromUserGroups(EditorGroupKeyITO value);

Equivalent methods are available from the UserGroupService:
- public List<UserGroupKeyITO> getUserGroupsForView(String viewReferenceKey, String locale, int limit);
- public Boolean addToUserGroupsForView(String viewReferenceKey,List <String> userGroupRefKey);
- public Boolean removeFromUserGroupsForView (String viewReferenceKey,List <String> userGroupRefKey);
- public Boolean setUserGroupsForView (String viewReferenceKey, List <String> userGroupRefKey);

The following methods have been **deprecated**:
- public void setTagsAssignedToView(List<EditorGroupKeyITO> value);
- public List<EditorGroupKeyITO> getTagsAssignedToView();
- public void addToTagsAssignedToView(EditorGroupKeyITO value);
- public void removeFromTagsAssignedToView(EditorGroupKeyITO value);

The following methods have been **added**:
- public void setCategoriesAssignedToView(List<CategoryKeyITO> value);
- public List<CategoryKeyITO> getCategoriesAssignedToView();
- public void addToCategoriesAssignedToView(CategoryKeyITO value);
- public void removeFromCategoriesAssignedToView(CategoryKeyITO value);

UserITO Deprecated Methods

The following methods have been **deprecated for renaming**:

Deprecated	Renamed to:
• receiveAssigned	• canReceiveEmailNotificationsForAssignedTasks
• receivePerform	• canReceiveEmailNotificationsForTasksICanPerform

UserITO Deleted Methods

The following methods have been **deleted** in the UserITO:
- public List<EditorGroupKeyITO> getEditorGroups(
- public void addToEditorGroups(EditorGroupKeyITO value);
- public void removeFromEditorGroups(EditorGroupKeyITO value);
- public void setEditorGroups(List<EditorGroupKeyITO> value);

Warning!   These methods *are not* backward compatible to the previous versions of the API.

New Methods in the UserService

The following methods are new in the UserService to allow the retrieval of users in more specific ways.
- public List<UserKeyITO> usersForWorkTeam(String workTeamReferenceKey, String locale, int limit);
- public Boolean ;addToUsersForWorkTeam(String workTeamReferenceKey, String locale ,UserKeyITO value)
- public Boolean removeFromUsersForWorkTeam(String workTeamReferenceKey, String locale ,UserKeyITO value);
- public List<UserKeyITO> usersForWorkTeam(String workTeamReferenceKey, String locale, int limit);
- public Boolean addToUsersForWorkTeam (String workTeamReferenceKey, String locale ,UserKeyITO value);
- public Boolean removeFromUsersForWorkTeam(String workTeamReferenceKey, String locale ,UserKeyITO value);
- public List<UserKeyITO> usersForRole(String repositoryRefKey, String locale, String roleReferenceKey, int limit);
- public Boolean addUsersToRRole (String workTeamReferenceKey, String locale ,String roleRefKey, int limit);
- public Boolean removeUsersToRole(String workTeamReferenceKey, String locale , String roleRefKey, int limit);

- public List<UserKeyITO> usersForView(String viewRefKey, String locale, int limit);
- public Boolean addUsersToView (String viewReferenceKey, String locale , String roleRefKey, int limit);

Note: Since these methods did not exist in previous versions, they are backward compatible.

WorkTeamITO Deleted Methods

Warning!   These methods *are not* backward compatible to the previous versions of the API.

The following methods have been deleted:
- public List<UserKeyITO> getUserInformations();
- public void addToUserInformations(UserKeyITO value);
- public void removeFromUserInformations(UserKeyITO value);
- public void setUserInformations(List<UserKeyITO> value);

Equivalent methods are available through the UserService, such as:
- public List<UserKeyITO> getUsersForWorkTeam(String workTeamReferenceKey, String locale, int limit);
- public Boolean addToUsersForWorkTeam (String workTeamReferenceKey, String locale ,UserKeyITO value);
- public Boolean removeFromUsersForWorkTeam(String workTeamReferenceKey, String locale ,UserKeyITO value);
- public Boolean setUsersForWorkTeam (String workTeamReferenceKey, String locale ,List<UserKeyITO> value);

WorkflowConditionITO Deprecated Methods

The following methods have been deprecated in the WorkflowConditionITO. These methods may be removed in a future version, but are available from the CategoryService, EditorGroupService, UserGroupService, and ViewService respectively.

Important!   This change is backward compatible to previous versions.

The following methods have been **deprecated**:
- public List<EditorGroupKeyITO> getCategories();
- public void addToCategories(EditorGroupKeyITO value);
- public void removeFromCategories(EditorGroupKeyITO value);
- public void setCategories(List<EditorGroupKeyITO> value);

These have been replaced in the WorkflowConditionITO as:
- public List<CategoryKeyITO> getCategoriesForCondition();
- public void addToCategoriesForCondition(CategoryKeyITO value);
- public void removeFromCategoriesForCondition(CategoryKeyITO value);
- public void setCategoriesForCondition(List<CategoryKeyITO> value);

The following methods have been **deprecated**:
- public List<EditorGroupKeyITO> getUserGroups();
- public void addToUserGroups(EditorGroupKeyITO value);
- public void removeFromUserGroups(EditorGroupKeyITO value);
- public void setUserGroups(List<EditorGroupKeyITO> value);

And replaced in the WorkflowConditionITO as:
- public List<UserGroupKeyITO> getUserGroupsForCondition();
- public void addToUserGroupsForCondition(UserGroupKeyITO value);
- public void removeFromUserGroupsForCondition(UserGroupKeyITO value);
- public void setUserGroupsForCondition(List<UserGroupKeyITO> value);

WorkflowConditionITO Deleted Methods

The following methods have been **deleted** in the WorkflowConditionITO:
- public List<EditorGroupKeyITO> getEditorGroups();
- public void addToEditorGroups(EditorGroupKeyITO value);
- public void removeFromEditorGroups(EditorGroupKeyITO value);
- public void setEditorGroups(List<EditorGroupKeyITO> value);

Warning! These methods *are not* backward compatible to the previous versions of the API.

ContentChannelITO Deleted and Deprecated Methods

The following methods will be deleted from the ContentChannelITO. These will be available from the UserGroupService, and CategoryService respectively.

The following methods have been **deprecated**:
- registeredToSites
- contentSchema
- workflowID
- dataListList

The following method has been deprecated for renaming:

Deprecated	Renamed to:
• getSite	• getRepository

The following methods have been **deleted**:
- public List<CategoryKeyITO> getTags();
- public void addToTags(CategoryKeyITO value);
- public void removeFromTags(CategoryKeyITO value);
- public void setTags(List<CategoryKeyITO> value);

And added to the CategoryService such as;
- public List<CategoryKeyITO> getCategoryListForRepository(String repositoryReferenceKey, String locale, int limit);

SecuredActivityITO Deprecated Methods

The following methods have been **deprecated**:
- public List<SecurityRoleKeyITO> getSecurityRoles();
- public void addToSecurityRoles(SecurityRoleKeyITO value);
- public void removeFromSecurityRoles(SecurityRoleKeyITO value);
- public void setSecurityRoles(List<SecurityRoleKeyITO> value);

Functionally equivalent methods are available in the SecurityRoleService.

SecurityRoleITO Deprecated Methods

The following methods have been deprecated for renaming:

Deprecated	Renamed to:
• allowedSites	• allowedViews
• ownerSite	• repository
• suveyPrivileges to	• dataFormPrivileges

SecurityRoleITO Deleted Methods

The following methods have been deleted in the SecurityRoleITO. This method will be available from the UserService.

Warning! These methods *are not* backward compatible to the previous versions of the API.

The following methods have been deleted:
- public List<UserKeyITO> getUsers();
- public void addToUsers(UserKeyITO value);
- public void removeFromUsers(UserKeyITO value);
- public void setUsers(List<UserKeyITO> value);

And added to the UserService such as;

public List<UserKeyITO> getUsersByRole(String repositoryRefKey, String locale, String roleReferenceKey, int limit);

ViewITO Deprecated Methods

These methods have been **deprecated**:
- autoAssignOnXXXX
- ObjectCount
- parentObjectID
- registeredViews
- restrictTaskCats
- selfXXX
- skillsBranchTask…
- taskIDCounter
- TaskPrefix
- templateLocation
- alLContentChannel…
- assignedSurveys
- availableLocales
- caseLinks
- contentChannelList
- contentRecomendations
- dataListList
- defaultLocale
- defaultUserRole
- designated…

The following methods have been **deprecated**:
- public void setSecurityRoles(List<SecurityRoleKeyITO> value);
- public List<SecurityRoleKeyITO> getSecurityRoles();
- public void addToSecurityRoles(SecurityRoleKeyITO value);
- public void removeFromSecurityRoles(SecurityRoleKeyITO value);

ViewITO Deleted Methods

The following methods have been **deleted**:
- public List<UserKeyITO> getUserList();
- public void addToUserList(UserKeyITO value);
- public void removeFromUserList(UserKeyITO value);
- public void setUserList(List<UserKeyITO> value);

- public List<UserKeyITO> getUsersForView();
- public void addToUsersForView(UserKeyITO value);
- public void removeFromUsersForView(UserKeyITO value);
- public void setUsersForView(List<UserKeyITO> value);

And added to the UserService such as;

- public List<UserKeyITO> getUsersForView(String viewRefKey, String locale, int limit);

The following methods have be deleted and are not available:

- public List<UserKeyITO> getUsersForDefaultSubSite();
- public void addToUsersForDefaultSubSite(UserKeyITO value);
- public void removeFromUsersForDefaultSubSite(UserKeyITO value);
- public void setUsersForDefaultSubSite(List<UserKeyITO> value);

The following methods have been **deleted**:

- public List<EditorGroupKeyITO> getTagList();
- public void addToTagList(EditorGroupKeyITO value);
- public void removeFromTagList(EditorGroupKeyITO value);
- public void setTagList(List<EditorGroupKeyITO> value);
- public List<EditorGroupKeyITO> getTagsAssignedToView();
- public void addToTagsAssignedToView(EditorGroupKeyITO value);
- public void removeFromTagsAssignedToView(EditorGroupKeyITO value);
- public void setTagsAssignedToView(List<EditorGroupKeyITO> value);

And added to the CategoryService such as;

- public List<CategoryKeyITO> getCategoriesAssignedToView(String viewReferenceKey, String locale,int limit);
- public Boolean assignCategoriesToView(String viewReferenceKey, String locale, List<String> categoryRefKey);
- public Boolean removeCategoriesAssignedToView(String viewReferenceKey, String locale, List<String> categoryRefKey);
- public Boolean setCategoriesForView(String viewReferenceKey, String locale, List<String> categoryRefKey);

The following methods have been **deleted**:

- public List<EditorGroupKeyITO> getUserGroups();
- public void addToUserGroups(EditorGroupKeyITO value);
- public void removeFromUserGroups(EditorGroupKeyITO value);
- public void setUserGroups(List<EditorGroupKeyITO> value);

And added to the UserGroupService such as;

- public List<UserGroupKeyITO> getUserGroupsForView(String viewReferenceKey, String locale, int limit);
- public Boolean addToUserGroupsForView(String viewReferenceKey,List <String> userGroupRefKey);
- public Boolean removeFromUserGroupsForView (String viewReferenceKey,List <String> userGroupRefKey);
- public Boolean setUserGroupsForView (String viewReferenceKey, List <String> userGroupRefKey);

The following methods have been **deleted**:

- public List<SecurityRoleKeyITO> getRolesInSubsites();
- public void addToRolesInSubsites(value);
- public void removeFromRolesInSubsites(SecurityRoleKeyITO value);
- public void setRolesInSubsites(List<SecurityRoleKeyITO> value);

New Methods

ViewService

- public List<ViewITO> getViewsForRepository(String repositoryRefKey, String locale, int limit);

- public List<ViewKeyITO> getViewsForUser(UserKeyITO user, int limit);

ViewService

- public Boolean addUsersToView (ViewKeyITO view,List<UserKeyITO>users);
- public Boolean removeeUsersForView (ViewKeyITO view,List<UserKeyITO> users);
- public List<ViewKeyITO> getViewsForWorkflowCondition (WorkflowConditionKeyITO workflowCondition, String locale, int limit);

CategoryService

- public List<CategoryKeyITO> getCategoryListAssignedToView(String viewReferenceKey, String locale,int limit);
- public List<CategoryKeyITO> getCategoryListForWorkflowCondition(WorkflowConditionKeyITO workflowCondition, String locale, int limit);
- public List<CategoryKeyITO> getRequiredCategoryListForChannel(String contentChannelReferenceKey, String locale, int limit);
- public List<CategoryKeyITO> getCategoryListForChannel (String contentChannelReferenceKey, String locale, int limit);

SecurityRoleService

- public List<SecurityRoleKeyITO> getSecurityRolesForRepository(String repositoryReferenceKey, String locale, int limit);
- public List<SecurityRoleKeyITO> getSecurityRolesForUser (UserKeyITO user, String locale, int limit);

UserGroupService

- public List<UserGroupKeyITO> getUserGroupListForView(String viewReferenceKey, String locale, int limit);
- public List<UserGroupKeyITO> getAllowedUserGroupListForChannel(String contentChannelReferenceKey, String locale, int limit);
- public List<UserGroupKeyITO> getUserGroupListForWorkflowCondition(WorkflowConditionKeyITO workflowCondition, String locale, int limit);

ContentRecommendationService

- public List<ContentRecommendationKeyITO> getContentRecommendationListForChannel(String repositoryRefKey, String contentChannelReferenceKey, String locale, int limit);

LocaleService

- public List<LocaleITO> availableLocaleListForRepository(String repositoryReferenceKey);

Change to the AuthenticationService

AuthenticationService contains modifications to pass in parameters for InQuiraAuthentication and SSO.

Rename EditorGroupKeyITO

Previously, any methods that retrieve or pass in Categories, User Groups or MetricTags incorrectly showed them as EditorGroupKeyITO.

The following four methods have been changed so that the correct ITO's are used. In each section below, the first group of methods are the former signature and the second group are the corrected method.

CONTENTRECOMMENDATIONITO

- public void setTags(List<EditorGroupKeyITO> value);
- public List<EditorGroupKeyITO> getTags();
- public void addToTags(EditorGroupKeyITO value);
- public void removeFromTags(EditorGroupKeyITO value);

- public void setCategories(List<CategoryKeyITO> value);
- public List<CategoryKeyITO> getCategories();
- public void addToCategories(CategoryKeyITO value);
- public void removeFromCategories(CategoryKeyITO value);

SUBSCRIPTIONITO

- public void setTags(List<EditorGroupKeyITO> value);
- public List<EditorGroupKeyITO> getTags();
- public void addToTags(EditorGroupKeyITO value);
- public void removeFromTags(EditorGroupKeyITO value);

- public void setCategories(List<CategoryKeyITO> value);
- public List<CategoryKeyITO> getCategories();
- public void addToCategories(CategoryKeyITO value);
- public void removeFromCategories(CategoryKeyITO value);

USERGROUPITO

- public void setParent(EditorGroupKeyITO value);
- public EditorGroupKeyITO getParent();

- public void setParentGroup(UserGroupKeyITO value);
- public UserGroupKeyITO getParentGroup();

XMLATTRIBUTEUSERGROUPITO

- public void setTag(EditorGroupKeyITO value);
- public EditorGroupKeyITO getTag();

- public void setTag(CategoryKeyITO value);
- public CategoryKeyITO getTag();

CONTENTCHANNELSERVICE

The following methods have been deprecated:

- public Boolean addAllowedUserGroupsForContentchannelIDAndAllowedUserGroupsITO(String contentchannelRecordid, EditorGroupKeyITO allowedUserGroups)

    throws ContentChannelServiceException;
- public Boolean addAllowedUserGroupsForContentchannelIDAndAllowedUserGroupsITOList(String contentchannelRecordid, List<EditorGroupKeyITO> allowedUserGroups)

    throws ContentChannelServiceException;

- public Boolean addAllowedUserGroupsForContentchannelReferenceKeyAndAllowedUserGroupsITO(String contentchannelReferenceKey, EditorGroupKeyITO allowedUserGroups)

    throws ContentChannelServiceException;
- public Boolean addAllowedUserGroupsForContentchannelReferenceKeyAndAllowedUserGroupsITOList(String contentchannelReferenceKey, List<EditorGroupKeyITO> allowedUserGroups)

    throws ContentChannelServiceException;
- public Boolean addAllowedUserGroupsForContentchannelITOAndAllowedUserGroupsITO(ContentChannelKeyITO contentchannel, EditorGroupKeyITO allowedUserGroups)

    throws ContentChannelServiceException;
- public Boolean addAllowedUserGroupsForContentchannelITOAndAllowedUserGroupsITOList(ContentChannelKeyITO contentchannel, List<EditorGroupKeyITO> allowedUserGroups)

    throws ContentChannelServiceException;
- public Boolean removeAllowedUserGroupsForContentchannelIDAndAllowedUserGroupsITO(String contentchannelRecordid, EditorGroupKeyITO allowedUserGroups)

    throws ContentChannelServiceException;
- public Boolean removeAllowedUserGroupsForContentchannelIDAndAllowedUserGroupsITOList(String contentchannelRecordid, List<EditorGroupKeyITO> allowedUserGroups)

    throws ContentChannelServiceException;
- public Boolean removeAllowedUserGroupsForContentchannelReferenceKeyAndAllowedUserGroupsITO(String contentchannelReferenceKey, EditorGroupKeyITO allowedUserGroups)

    throws ContentChannelServiceException;
- public Boolean removeAllowedUserGroupsForContentchannelReferenceKeyAndAllowedUserGroupsITOList(String contentchannelReferenceKey, List<EditorGroupKeyITO> allowedUserGroups)

    throws ContentChannelServiceException;
- public Boolean addMetricTagsForContentchannelIDAndMetricTagsITO(String contentchannelRecordid, EditorGroupKeyITO metricTags)

    throws ContentChannelServiceException;
- public Boolean addMetricTagsForContentchannelIDAndMetricTagsITOList(String contentchannelRecordid, List<EditorGroupKeyITO> metricTags)

    throws ContentChannelServiceException;
- public Boolean addMetricTagsForContentchannelITOAndMetricTagsITO(ContentChannelKeyITO contentchannel, EditorGroupKeyITO metricTags)

    throws ContentChannelServiceException;
- public Boolean addMetricTagsForContentchannelITOAndMetricTagsITOList(ContentChannelKeyITO contentchannel, List<EditorGroupKeyITO> metricTags)

    throws ContentChannelServiceException;
- public Boolean addMetricTagsForContentchannelReferenceKeyAndMetricTagsITO(String contentchannelReferenceKey, EditorGroupKeyITO metricTags)

    throws ContentChannelServiceException;
- public Boolean addMetricTagsForContentchannelReferenceKeyAndMetricTagsITOList(String contentchannelReferenceKey, List<EditorGroupKeyITO> metricTags)

    throws ContentChannelServiceException;
- public Boolean removeMetricTagsForContentchannelIDAndMetricTagsITO(String contentchannelRecordid, EditorGroupKeyITO metricTags)

    throws ContentChannelServiceException;
- public Boolean removeMetricTagsForContentchannelIDAndMetricTagsITOList(String contentchannelRecordid, List<EditorGroupKeyITO> metricTags)

    throws ContentChannelServiceException;

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- public Boolean removeMetricTagsForContentchannelITOAndMetricTagsITO(ContentChannelKeyITO contentchannel, EditorGroupKeyITO metricTags)

    throws ContentChannelServiceException;
- public Boolean removeMetricTagsForContentchannelITOAndMetricTagsITOList(ContentChannelKeyITO contentchannel, List<EditorGroupKeyITO> metricTags)

    throws ContentChannelServiceException;
- public Boolean removeMetricTagsForContentchannelReferenceKeyAndMetricTagsITO(String contentchannelReferenceKey, EditorGroupKeyITO metricTags)

    throws ContentChannelServiceException;
- public Boolean removeMetricTagsForContentchannelReferenceKeyAndMetricTagsITOList(String contentchannelReferenceKey, List<EditorGroupKeyITO> metricTags)

    throws ContentChannelServiceException;
- public Boolean addRequiredCategoriesForContentchannelIDAndRequiredCategoriesITO(String contentchannelRecordid, EditorGroupKeyITO requiredCategories)

    throws ContentChannelServiceException;
- public Boolean addRequiredCategoriesForContentchannelIDAndRequiredCategoriesITOList(String contentchannelRecordid, List<EditorGroupKeyITO> requiredCategories)

    throws ContentChannelServiceException;
- public Boolean addRequiredCategoriesForContentchannelITOAndRequiredCategoriesITO(ContentChannelKeyITO contentchannel, EditorGroupKeyITO requiredCategories)

    throws ContentChannelServiceException;
- public Boolean
addRequiredCategoriesForContentchannelITOAndRequiredCategoriesITOList(ContentChannelKeyITO contentchannel, List<EditorGroupKeyITO> requiredCategories)

    throws ContentChannelServiceException;
- public Boolean addRequiredCategoriesForContentchannelReferenceKeyAndRequiredCategoriesITO(String contentchannelReferenceKey, EditorGroupKeyITO requiredCategories)

    throws ContentChannelServiceException;
- public Boolean addRequiredCategoriesForContentchannelReferenceKeyAndRequiredCategoriesITOList(String contentchannelReferenceKey, List<EditorGroupKeyITO> requiredCategories)

    throws ContentChannelServiceException;
- public Boolean removeRequiredCategoriesForContentchannelIDAndRequiredCategoriesITO(String contentchannelRecordid, EditorGroupKeyITO requiredCategories)

    throws ContentChannelServiceException;
- public Boolean removeRequiredCategoriesForContentchannelIDAndRequiredCategoriesITOList(String contentchannelRecordid, List<EditorGroupKeyITO> requiredCategories)

    throws ContentChannelServiceException;
- public Boolean
removeRequiredCategoriesForContentchannelITOAndRequiredCategoriesITO(ContentChannelKeyITO contentchannel, EditorGroupKeyITO requiredCategories)

    throws ContentChannelServiceException;
- public Boolean
removeRequiredCategoriesForContentchannelITOAndRequiredCategoriesITOList(ContentChannelKeyITO contentchannel, List<EditorGroupKeyITO> requiredCategories)

    throws ContentChannelServiceException;
- public Boolean removeRequiredCategoriesForContentchannelReferenceKeyAndRequiredCategoriesITO(String contentchannelReferenceKey, EditorGroupKeyITO requiredCategories)

    throws ContentChannelServiceException;

- public Boolean removeRequiredCategoriesForContentchannelReferenceKeyAndRequiredCategoriesITOList(String contentchannelReferenceKey, List<EditorGroupKeyITO> requiredCategories)

    throws ContentChannelServiceException;
- public Boolean addTagsForContentchannelIDAndTagsITO(String contentchannelRecordid, EditorGroupKeyITO tags)

    throws ContentChannelServiceException;
- public Boolean addTagsForContentchannelIDAndTagsITOList(String contentchannelRecordid, List<EditorGroupKeyITO> tags)

    throws ContentChannelServiceException;
- public Boolean addTagsForContentchannelITOAndTagsITO(ContentChannelKeyITO contentchannel, EditorGroupKeyITO tags)

    throws ContentChannelServiceException;
- public Boolean addTagsForContentchannelITOAndTagsITOList(ContentChannelKeyITO contentchannel, List<EditorGroupKeyITO> tags)

    throws ContentChannelServiceException;
- public Boolean addTagsForContentchannelReferenceKeyAndTagsITO(String contentchannelReferenceKey, EditorGroupKeyITO tags)

    throws ContentChannelServiceException;
- public Boolean addTagsForContentchannelReferenceKeyAndTagsITOList(String contentchannelReferenceKey, List<EditorGroupKeyITO> tags)

    throws ContentChannelServiceException;
- public Boolean removeTagsForContentchannelIDAndTagsITO(String contentchannelRecordid, EditorGroupKeyITO tags)

    throws ContentChannelServiceException;
- public Boolean removeTagsForContentchannelIDAndTagsITOList(String contentchannelRecordid, List<EditorGroupKeyITO> tags)

    throws ContentChannelServiceException;
- public Boolean removeTagsForContentchannelITOAndTagsITO(ContentChannelKeyITO contentchannel, EditorGroupKeyITO tags)

    throws ContentChannelServiceException;
- public Boolean removeTagsForContentchannelITOAndTagsITOList(ContentChannelKeyITO contentchannel, List<EditorGroupKeyITO> tags)

    throws ContentChannelServiceException;
- public Boolean removeTagsForContentchannelReferenceKeyAndTagsITO(String contentchannelReferenceKey, EditorGroupKeyITO tags)

    throws ContentChannelServiceException;
- public Boolean removeTagsForContentchannelReferenceKeyAndTagsITOList(String contentchannelReferenceKey, List<EditorGroupKeyITO> tags)

    throws ContentChannelServiceException;

All of the above methods have been duplicated and changed to the following methods:

- public Boolean addAllowedUserGroupsForContentchannelIDAndAllowedUserGroupsITO(String contentchannelRecordid, UserGroupKeyITO allowedUserGroups)

    throws ContentChannelServiceException;
- public Boolean addAllowedUserGroupsForContentchannelIDAndAllowedUserGroupsITOList(String contentchannelRecordid, List<UserGroupKeyITO> allowedUserGroups)

    throws ContentChannelServiceException;

- public Boolean addAllowedUserGroupsForContentchannelReferenceKeyAndAllowedUserGroupsITO(String contentchannelReferenceKey, UserGroupKeyITO allowedUserGroups)

    throws ContentChannelServiceException;
- public Boolean addAllowedUserGroupsForContentchannelReferenceKeyAndAllowedUserGroupsITOList(String contentchannelReferenceKey, List<UserGroupKeyITO> allowedUserGroups)

    throws ContentChannelServiceException;
- public Boolean addAllowedUserGroupsForContentchannelITOAndAllowedUserGroupsITO(ContentChannelKeyITO contentchannel, UserGroupKeyITO allowedUserGroups)

    throws ContentChannelServiceException;
- public Boolean addAllowedUserGroupsForContentchannelITOAndAllowedUserGroupsITOList(ContentChannelKeyITO contentchannel, List<UserGroupKeyITO> allowedUserGroups)

    throws ContentChannelServiceException;
- public Boolean removeAllowedUserGroupsForContentchannelIDAndAllowedUserGroupsITO(String contentchannelRecordid, UserGroupKeyITO allowedUserGroups)

    throws ContentChannelServiceException;
- public Boolean removeAllowedUserGroupsForContentchannelIDAndAllowedUserGroupsITOList(String contentchannelRecordid, List<UserGroupKeyITO> allowedUserGroups)

    throws ContentChannelServiceException;
- public Boolean removeAllowedUserGroupsForContentchannelReferenceKeyAndAllowedUserGroupsITO(String contentchannelReferenceKey, UserGroupKeyITO allowedUserGroups)

    throws ContentChannelServiceException;
- public Boolean removeAllowedUserGroupsForContentchannelReferenceKeyAndAllowedUserGroupsITOList(String contentchannelReferenceKey, List<UserGroupKeyITO> allowedUserGroups)

    throws ContentChannelServiceException;
- public Boolean addMetricTagsForContentchannelIDAndMetricTagsITO(String contentchannelRecordid, UserGroupKeyITO metricTags)

    throws ContentChannelServiceException;
- public Boolean addMetricTagsForContentchannelIDAndMetricTagsITOList(String contentchannelRecordid, List<CategoryKeyITO> metricTags)

    throws ContentChannelServiceException;
- public Boolean addMetricTagsForContentchannelITOAndMetricTagsITO(ContentChannelKeyITO contentchannel, CategoryKeyITO metricTags)

    throws ContentChannelServiceException;
- public Boolean addMetricTagsForContentchannelITOAndMetricTagsITOList(ContentChannelKeyITO contentchannel, List<CategoryKeyITO> metricTags)

    throws ContentChannelServiceException;
- public Boolean addMetricTagsForContentchannelReferenceKeyAndMetricTagsITO(String contentchannelReferenceKey, CategoryKeyITO metricTags)

    throws ContentChannelServiceException;
- public Boolean addMetricTagsForContentchannelReferenceKeyAndMetricTagsITOList(String contentchannelReferenceKey, List<CategoryKeyITO> metricTags)

    throws ContentChannelServiceException;
- public Boolean removeMetricTagsForContentchannelIDAndMetricTagsITO(String contentchannelRecordid, CategoryKeyITO metricTags)

    throws ContentChannelServiceException;
- public Boolean removeMetricTagsForContentchannelIDAndMetricTagsITOList(String contentchannelRecordid, List<CategoryKeyITO> metricTags)

    throws ContentChannelServiceException;

- public Boolean removeMetricTagsForContentchannelITOAndMetricTagsITO(ContentChannelKeyITO contentchannel, CategoryKeyITO metricTags)

    throws ContentChannelServiceException;
- public Boolean removeMetricTagsForContentchannelITOAndMetricTagsITOList(ContentChannelKeyITO contentchannel, List<CategoryKeyITO> metricTags)

    throws ContentChannelServiceException;
- public Boolean removeMetricTagsForContentchannelReferenceKeyAndMetricTagsITO(String contentchannelReferenceKey, CategoryKeyITO metricTags)

    throws ContentChannelServiceException;
- public Boolean removeMetricTagsForContentchannelReferenceKeyAndMetricTagsITOList(String contentchannelReferenceKey, List<CategoryKeyITO> metricTags)

    throws ContentChannelServiceException;
- public Boolean addRequiredCategoriesForContentchannelIDAndRequiredCategoriesITO(String contentchannelRecordid, CategoryKeyITO requiredCategories)

    throws ContentChannelServiceException;
- public Boolean addRequiredCategoriesForContentchannelIDAndRequiredCategoriesITOList(String contentchannelRecordid, List<CategoryKeyITO> requiredCategories)

    throws ContentChannelServiceException;
- public Boolean addRequiredCategoriesForContentchannelITOAndRequiredCategoriesITO(ContentChannelKeyITO contentchannel, CategoryKeyITO requiredCategories)

    throws ContentChannelServiceException;
- public Boolean addRequiredCategoriesForContentchannelITOAndRequiredCategoriesITOList(ContentChannelKeyITO contentchannel, List<CategoryKeyITO> requiredCategories)

    throws ContentChannelServiceException;
- public Boolean addRequiredCategoriesForContentchannelReferenceKeyAndRequiredCategoriesITO(String contentchannelReferenceKey, CategoryKeyITO requiredCategories)

    throws ContentChannelServiceException;
- public Boolean addRequiredCategoriesForContentchannelReferenceKeyAndRequiredCategoriesITOList(String contentchannelReferenceKey, List<CategoryKeyITO> requiredCategories)

    throws ContentChannelServiceException;
- public Boolean removeRequiredCategoriesForContentchannelIDAndRequiredCategoriesITO(String contentchannelRecordid, CategoryKeyITO requiredCategories)

    throws ContentChannelServiceException;
- public Boolean removeRequiredCategoriesForContentchannelIDAndRequiredCategoriesITOList(String contentchannelRecordid, List<CategoryKeyITO> requiredCategories)

    throws ContentChannelServiceException;
- public Boolean removeRequiredCategoriesForContentchannelITOAndRequiredCategoriesITO(ContentChannelKeyITO contentchannel, CategoryKeyITO requiredCategories)

    throws ContentChannelServiceException;
- public Boolean removeRequiredCategoriesForContentchannelITOAndRequiredCategoriesITOList(ContentChannelKeyITO contentchannel, List<CategoryKeyITO> requiredCategories)

    throws ContentChannelServiceException;
- public Boolean removeRequiredCategoriesForContentchannelReferenceKeyAndRequiredCategoriesITO(String contentchannelReferenceKey, CategoryKeyITO requiredCategories)

    throws ContentChannelServiceException;

- public Boolean removeRequiredCategoriesForContentchannelReferenceKeyAndRequiredCategoriesITOList(String contentchannelReferenceKey, List<CategoryKeyITO> requiredCategories)

     throws ContentChannelServiceException;
- public Boolean addTagsForContentchannelIDAndTagsITO(String contentchannelRecordid, CategoryKeyITO tags)

     throws ContentChannelServiceException;
- public Boolean addTagsForContentchannelIDAndTagsITOList(String contentchannelRecordid, List<CategoryKeyITO> tags)

     throws ContentChannelServiceException;
- public Boolean addTagsForContentchannelITOAndTagsITO(ContentChannelKeyITO contentchannel, CategoryKeyITO tags)

     throws ContentChannelServiceException;
- public Boolean addTagsForContentchannelITOAndTagsITOList(ContentChannelKeyITO contentchannel, List<CategoryKeyITO> tags)

     throws ContentChannelServiceException;
- public Boolean addTagsForContentchannelReferenceKeyAndTagsITO(String contentchannelReferenceKey, CategoryKeyITO tags)

     throws ContentChannelServiceException;
- public Boolean addTagsForContentchannelReferenceKeyAndTagsITOList(String contentchannelReferenceKey, List<CategoryKeyITO> tags)

     throws ContentChannelServiceException;
- public Boolean removeTagsForContentchannelIDAndTagsITO(String contentchannelRecordid, CategoryKeyITO tags)

     throws ContentChannelServiceException;
- public Boolean removeTagsForContentchannelIDAndTagsITOList(String contentchannelRecordid, List<CategoryKeyITO> tags)

     throws ContentChannelServiceException;
- public Boolean removeTagsForContentchannelITOAndTagsITO(ContentChannelKeyITO contentchannel, CategoryKeyITO tags)

     throws ContentChannelServiceException;
- public Boolean removeTagsForContentchannelITOAndTagsITOList(ContentChannelKeyITO contentchannel, List<CategoryKeyITO> tags)

     throws ContentChannelServiceException;
- public Boolean removeTagsForContentchannelReferenceKeyAndTagsITO(String contentchannelReferenceKey, CategoryKeyITO tags)

     throws ContentChannelServiceException;
- public Boolean removeTagsForContentchannelReferenceKeyAndTagsITOList(String contentchannelReferenceKey, List<CategoryKeyITO> tags)

     throws ContentChannelServiceException;

CONTENTRECOMMENDATIONSERVICE

These methods have been deprecated:
- public Boolean addTagsForContentrecommendationIDAndTagsITO(String contentrecommendationRecordid, EditorGroupKeyITO tags)

     throws ContentRecommendationServiceException;
- public Boolean addTagsForContentrecommendationIDAndTagsITOList(String contentrecommendationRecordid, List<EditorGroupKeyITO> tags)

     throws ContentRecommendationServiceException;

- public Boolean addTagsForContentrecommendationITOAndTagsITO(ContentRecommendationKeyITO contentrecommendation, EditorGroupKeyITO tags)

    throws ContentRecommendationServiceException;
- public Boolean addTagsForContentrecommendationITOAndTagsITOList(ContentRecommendationKeyITO contentrecommendation, List<EditorGroupKeyITO> tags)

    throws ContentRecommendationServiceException;
- public Boolean removeTagsForContentrecommendationIDAndTagsITO(String contentrecommendationRecordid, EditorGroupKeyITO tags)

    throws ContentRecommendationServiceException;
- public Boolean removeTagsForContentrecommendationIDAndTagsITOList(String contentrecommendationRecordid, List<EditorGroupKeyITO> tags)

    throws ContentRecommendationServiceException;
- public Boolean removeTagsForContentrecommendationITOAndTagsITO(ContentRecommendationKeyITO contentrecommendation, EditorGroupKeyITO tags)

    throws ContentRecommendationServiceException;
- public Boolean removeTagsForContentrecommendationITOAndTagsITOList(ContentRecommendationKeyITO contentrecommendation, List<EditorGroupKeyITO> tags)

    throws ContentRecommendationServiceException;

The above methods have been duplicated and changed with the following methods:

- public Boolean addTagsForContentrecommendationIDAndTagsITO(String contentrecommendationRecordid, CategoryKeyITO tags)

    throws ContentRecommendationServiceException;
- public Boolean addTagsForContentrecommendationIDAndTagsITOList(String contentrecommendationRecordid, List<CategoryKeyITO> tags)

    throws ContentRecommendationServiceException;
- public Boolean addTagsForContentrecommendationITOAndTagsITO(ContentRecommendationKeyITO contentrecommendation, CategoryKeyITO tags)

    throws ContentRecommendationServiceException;
- public Boolean addTagsForContentrecommendationITOAndTagsITOList(ContentRecommendationKeyITO contentrecommendation, List<CategoryKeyITO> tags)

    throws ContentRecommendationServiceException;
- public Boolean removeTagsForContentrecommendationIDAndTagsITO(String contentrecommendationRecordid, CategoryKeyITO tags)

    throws ContentRecommendationServiceException;
- public Boolean removeTagsForContentrecommendationIDAndTagsITOList(String contentrecommendationRecordid, List<CategoryKeyITO> tags)

    throws ContentRecommendationServiceException;
- public Boolean removeTagsForContentrecommendationITOAndTagsITO(ContentRecommendationKeyITO contentrecommendation, CategoryKeyITO tags)

    throws ContentRecommendationServiceException;
- public Boolean removeTagsForContentrecommendationITOAndTagsITOList(ContentRecommendationKeyITO contentrecommendation, List<CategoryKeyITO> tags)

    throws ContentRecommendationServiceException;

REPOSITORYSERVICE

These methods have been deprecated:

- public Boolean addTagListForRepositoryIDAndTagListITO(String repositoryRecordid, EditorGroupKeyITO tagList)

    throws RepositoryServiceException;
- public Boolean addTagListForRepositoryIDAndTagListITOList(String repositoryRecordid, List<EditorGroupKeyITO> tagList)

    throws RepositoryServiceException;
- public Boolean addTagListForRepositoryITOAndTagListITO(RepositoryKeyITO repository, EditorGroupKeyITO tagList)

    throws RepositoryServiceException;
- public Boolean addTagListForRepositoryITOAndTagListITOList(RepositoryKeyITO repository, List<EditorGroupKeyITO> tagList)

    throws RepositoryServiceException;
- public Boolean addTagListForRepositoryReferenceKeyAndTagListITO(String repositoryReferenceKey, EditorGroupKeyITO tagList)

    throws RepositoryServiceException;
- public Boolean addTagListForRepositoryReferenceKeyAndTagListITOList(String repositoryReferenceKey, List<EditorGroupKeyITO> tagList)

    throws RepositoryServiceException;
- public Boolean removeTagListForRepositoryIDAndTagListITO(String repositoryRecordid, EditorGroupKeyITO tagList)

    throws RepositoryServiceException;
- public Boolean removeTagListForRepositoryIDAndTagListITOList(String repositoryRecordid, List<EditorGroupKeyITO> tagList)

    throws RepositoryServiceException;
- public Boolean removeTagListForRepositoryITOAndTagListITO(RepositoryKeyITO repository, EditorGroupKeyITO tagList)

    throws RepositoryServiceException;
- public Boolean removeTagListForRepositoryITOAndTagListITOList(RepositoryKeyITO repository, List<EditorGroupKeyITO> tagList)

    throws RepositoryServiceException;
- public Boolean removeTagListForRepositoryReferenceKeyAndTagListITO(String repositoryReferenceKey, EditorGroupKeyITO tagList)

    throws RepositoryServiceException;
- public Boolean removeTagListForRepositoryReferenceKeyAndTagListITOList(String repositoryReferenceKey, List<EditorGroupKeyITO> tagList)

    throws RepositoryServiceException;
- public Boolean addTagsAssignedToViewForRepositoryIDAndTagsAssignedToViewITO(String repositoryRecordid, EditorGroupKeyITO tagsAssignedToView)

    throws RepositoryServiceException;
- public Boolean addTagsAssignedToViewForRepositoryIDAndTagsAssignedToViewITOList(String repositoryRecordid, List<EditorGroupKeyITO> tagsAssignedToView)

    throws RepositoryServiceException;
- public Boolean addTagsAssignedToViewForRepositoryITOAndTagsAssignedToViewITO(RepositoryKeyITO repository, EditorGroupKeyITO tagsAssignedToView)

    throws RepositoryServiceException;
- public Boolean addTagsAssignedToViewForRepositoryITOAndTagsAssignedToViewITOList(RepositoryKeyITO repository, List<EditorGroupKeyITO> tagsAssignedToView)

    throws RepositoryServiceException;

- public Boolean addTagsAssignedToViewForRepositoryReferenceKeyAndTagsAssignedToViewITO(String repositoryReferenceKey, EditorGroupKeyITO tagsAssignedToView)

    throws RepositoryServiceException;
- public Boolean addTagsAssignedToViewForRepositoryReferenceKeyAndTagsAssignedToViewITOList(String repositoryReferenceKey, List<EditorGroupKeyITO> tagsAssignedToView)

    throws RepositoryServiceException;
- public Boolean removeTagsAssignedToViewForRepositoryIDAndTagsAssignedToViewITO(String repositoryRecordid, EditorGroupKeyITO tagsAssignedToView)

    throws RepositoryServiceException;
- public Boolean removeTagsAssignedToViewForRepositoryIDAndTagsAssignedToViewITOList(String repositoryRecordid, List<EditorGroupKeyITO> tagsAssignedToView)

    throws RepositoryServiceException;
- public Boolean removeTagsAssignedToViewForRepositoryITOAndTagsAssignedToViewITO(RepositoryKeyITO repository, EditorGroupKeyITO tagsAssignedToView)

    throws RepositoryServiceException;
- public Boolean removeTagsAssignedToViewForRepositoryITOAndTagsAssignedToViewITOList(RepositoryKeyITO repository, List<EditorGroupKeyITO> tagsAssignedToView)

    throws RepositoryServiceException;
- public Boolean removeTagsAssignedToViewForRepositoryReferenceKeyAndTagsAssignedToViewITO(String repositoryReferenceKey, EditorGroupKeyITO tagsAssignedToView)

    throws RepositoryServiceException;
- public Boolean removeTagsAssignedToViewForRepositoryReferenceKeyAndTagsAssignedToViewITOList(String repositoryReferenceKey, List<EditorGroupKeyITO> tagsAssignedToView)

    throws RepositoryServiceException;
- public Boolean addUserGroupsForRepositoryIDAndUserGroupsITO(String repositoryRecordid, EditorGroupKeyITO userGroups)

    throws RepositoryServiceException;
- public Boolean addUserGroupsForRepositoryIDAndUserGroupsITOList(String repositoryRecordid, List<EditorGroupKeyITO> userGroups)

    throws RepositoryServiceException;
- public Boolean addUserGroupsForRepositoryITOAndUserGroupsITO(RepositoryKeyITO repository, EditorGroupKeyITO userGroups)

    throws RepositoryServiceException;
- public Boolean addUserGroupsForRepositoryITOAndUserGroupsITOList(RepositoryKeyITO repository, List<EditorGroupKeyITO> userGroups)

    throws RepositoryServiceException;
- public Boolean addUserGroupsForRepositoryReferenceKeyAndUserGroupsITO(String repositoryReferenceKey, EditorGroupKeyITO userGroups)

    throws RepositoryServiceException;
- public Boolean addUserGroupsForRepositoryReferenceKeyAndUserGroupsITOList(String repositoryReferenceKey, List<EditorGroupKeyITO> userGroups)

    throws RepositoryServiceException;
- public Boolean removeUserGroupsForRepositoryIDAndUserGroupsITO(String repositoryRecordid, EditorGroupKeyITO userGroups)

    throws RepositoryServiceException;
- public Boolean removeUserGroupsForRepositoryIDAndUserGroupsITOList(String repositoryRecordid, List<EditorGroupKeyITO> userGroups)

    throws RepositoryServiceException;

- public Boolean removeUserGroupsForRepositoryITOAndUserGroupsITO(RepositoryKeyITO repository, EditorGroupKeyITO userGroups)

    throws RepositoryServiceException;
- public Boolean removeUserGroupsForRepositoryITOAndUserGroupsITOList(RepositoryKeyITO repository, List<EditorGroupKeyITO> userGroups)

    throws RepositoryServiceException;
- public Boolean removeUserGroupsForRepositoryReferenceKeyAndUserGroupsITO(String repositoryReferenceKey, EditorGroupKeyITO userGroups)

    throws RepositoryServiceException;
- public Boolean removeUserGroupsForRepositoryReferenceKeyAndUserGroupsITOList(String repositoryReferenceKey, List<EditorGroupKeyITO> userGroups)

    throws RepositoryServiceException;

The above methods have been duplicated and changed with the following methods:

- public Boolean addTagListForRepositoryIDAndTagListITO(String repositoryRecordid, CategoryKeyITO tagList)

    throws RepositoryServiceException;
- public Boolean addTagListForRepositoryIDAndTagListITOList(String repositoryRecordid, List<CategoryKeyITO> tagList)

    throws RepositoryServiceException;
- public Boolean addTagListForRepositoryITOAndTagListITO(RepositoryKeyITO repository, CategoryKeyITO tagList)

    throws RepositoryServiceException;
- public Boolean addTagListForRepositoryITOAndTagListITOList(RepositoryKeyITO repository, List<CategoryKeyITO> tagList)

    throws RepositoryServiceException;
- public Boolean addTagListForRepositoryReferenceKeyAndTagListITO(String repositoryReferenceKey, CategoryKeyITO tagList)

    throws RepositoryServiceException;
- public Boolean addTagListForRepositoryReferenceKeyAndTagListITOList(String repositoryReferenceKey, List<CategoryKeyITO> tagList)

    throws RepositoryServiceException;
- public Boolean removeTagListForRepositoryIDAndTagListITO(String repositoryRecordid, CategoryKeyITO tagList)

    throws RepositoryServiceException;
- public Boolean removeTagListForRepositoryIDAndTagListITOList(String repositoryRecordid, List<CategoryKeyITO> tagList)

    throws RepositoryServiceException;
- public Boolean removeTagListForRepositoryITOAndTagListITO(RepositoryKeyITO repository, CategoryKeyITO tagList)

    throws RepositoryServiceException;
- public Boolean removeTagListForRepositoryITOAndTagListITOList(RepositoryKeyITO repository, List<CategoryKeyITO> tagList)

    throws RepositoryServiceException;
- public Boolean removeTagListForRepositoryReferenceKeyAndTagListITO(String repositoryReferenceKey, CategoryKeyITO tagList)

    throws RepositoryServiceException;
- public Boolean removeTagListForRepositoryReferenceKeyAndTagListITOList(String repositoryReferenceKey, List<CategoryKeyITO> tagList)

    throws RepositoryServiceException;

- public Boolean addTagsAssignedToViewForRepositoryIDAndTagsAssignedToViewITO(String repositoryRecordid, CategoryKeyITO tagsAssignedToView)

  throws RepositoryServiceException;
- public Boolean addTagsAssignedToViewForRepositoryIDAndTagsAssignedToViewITOList(String repositoryRecordid, List<CategoryKeyITO> tagsAssignedToView)

  throws RepositoryServiceException;
- public Boolean addTagsAssignedToViewForRepositoryITOAndTagsAssignedToViewITO(RepositoryKeyITO repository, CategoryKeyITO tagsAssignedToView)

  throws RepositoryServiceException;
- public Boolean addTagsAssignedToViewForRepositoryITOAndTagsAssignedToViewITOList(RepositoryKeyITO repository, List<CategoryKeyITO> tagsAssignedToView)

  throws RepositoryServiceException;
- public Boolean addTagsAssignedToViewForRepositoryReferenceKeyAndTagsAssignedToViewITO(String repositoryReferenceKey, CategoryKeyITO tagsAssignedToView)

  throws RepositoryServiceException;
- public Boolean addTagsAssignedToViewForRepositoryReferenceKeyAndTagsAssignedToViewITOList(String repositoryReferenceKey, List<CategoryKeyITO> tagsAssignedToView)

  throws RepositoryServiceException;
- public Boolean removeTagsAssignedToViewForRepositoryIDAndTagsAssignedToViewITO(String repositoryRecordid, CategoryKeyITO tagsAssignedToView)

  throws RepositoryServiceException;
- public Boolean removeTagsAssignedToViewForRepositoryIDAndTagsAssignedToViewITOList(String repositoryRecordid, List<CategoryKeyITO> tagsAssignedToView)

  throws RepositoryServiceException;
- public Boolean removeTagsAssignedToViewForRepositoryITOAndTagsAssignedToViewITO(RepositoryKeyITO repository, CategoryKeyITO tagsAssignedToView)

  throws RepositoryServiceException;
- public Boolean removeTagsAssignedToViewForRepositoryITOAndTagsAssignedToViewITOList(RepositoryKeyITO repository, List<CategoryKeyITO> tagsAssignedToView)

  throws RepositoryServiceException;
- public Boolean removeTagsAssignedToViewForRepositoryReferenceKeyAndTagsAssignedToViewITO(String repositoryReferenceKey, CategoryKeyITO tagsAssignedToView)

  throws RepositoryServiceException;
- public Boolean removeTagsAssignedToViewForRepositoryReferenceKeyAndTagsAssignedToViewITOList(String repositoryReferenceKey, List<CategoryKeyITO> tagsAssignedToView)

  throws RepositoryServiceException;
- public Boolean addUserGroupsForRepositoryIDAndUserGroupsITO(String repositoryRecordid, UserGroupKeyITO userGroups)

  throws RepositoryServiceException;
- public Boolean addUserGroupsForRepositoryIDAndUserGroupsITOList(String repositoryRecordid, List<UserGroupKeyITO> userGroups)

  throws RepositoryServiceException;
- public Boolean addUserGroupsForRepositoryITOAndUserGroupsITO(RepositoryKeyITO repository, UserGroupKeyITO userGroups)

  throws RepositoryServiceException;
- public Boolean addUserGroupsForRepositoryITOAndUserGroupsITOList(RepositoryKeyITO repository, List<UserGroupKeyITO> userGroups)

  throws RepositoryServiceException;

- public Boolean addUserGroupsForRepositoryReferenceKeyAndUserGroupsITO(String repositoryReferenceKey, UserGroupKeyITO userGroups)

    throws RepositoryServiceException;
- public Boolean addUserGroupsForRepositoryReferenceKeyAndUserGroupsITOList(String repositoryReferenceKey, List<UserGroupKeyITO> userGroups)

    throws RepositoryServiceException;
- public Boolean removeUserGroupsForRepositoryIDAndUserGroupsITO(String repositoryRecordid, UserGroupKeyITO userGroups)

    throws RepositoryServiceException;
- public Boolean removeUserGroupsForRepositoryIDAndUserGroupsITOList(String repositoryRecordid, List<UserGroupKeyITO> userGroups)

    throws RepositoryServiceException;
- public Boolean removeUserGroupsForRepositoryITOAndUserGroupsITO(RepositoryKeyITO repository, UserGroupKeyITO userGroups)

    throws RepositoryServiceException;
- public Boolean removeUserGroupsForRepositoryITOAndUserGroupsITOList(RepositoryKeyITO repository, List<UserGroupKeyITO> userGroups)

    throws RepositoryServiceException;
- public Boolean removeUserGroupsForRepositoryReferenceKeyAndUserGroupsITO(String repositoryReferenceKey, UserGroupKeyITO userGroups)

    throws RepositoryServiceException;
- public Boolean removeUserGroupsForRepositoryReferenceKeyAndUserGroupsITOList(String repositoryReferenceKey, List<UserGroupKeyITO> userGroups)

    throws RepositoryServiceException;

SECURITYROLESERVICE

The following methods have been deprecated:

- public Boolean addTagsForSecurityroleIDAndTagsITO(String securityroleRecordid, EditorGroupKeyITO tags)

    throws SecurityRoleServiceException;
- public Boolean addTagsForSecurityroleIDAndTagsITOList(String securityroleRecordid, List<EditorGroupKeyITO> tags)

    throws SecurityRoleServiceException;
- public Boolean addTagsForSecurityroleITOAndTagsITO(SecurityRoleKeyITO securityrole, EditorGroupKeyITO tags)

    throws SecurityRoleServiceException;
- public Boolean addTagsForSecurityroleITOAndTagsITOList(SecurityRoleKeyITO securityrole, List<EditorGroupKeyITO> tags)

    throws SecurityRoleServiceException;
- public Boolean addTagsForSecurityroleReferenceKeyAndTagsITO(String securityroleReferenceKey, EditorGroupKeyITO tags)

    throws SecurityRoleServiceException;
- public Boolean addTagsForSecurityroleReferenceKeyAndTagsITOList(String securityroleReferenceKey, List<EditorGroupKeyITO> tags)

    throws SecurityRoleServiceException;
- public Boolean removeTagsForSecurityroleIDAndTagsITO(String securityroleRecordid, EditorGroupKeyITO tags)

    throws SecurityRoleServiceException;

- public Boolean removeTagsForSecurityroleIDAndTagsITOList(String securityroleRecordid, List<EditorGroupKeyITO> tags)

     throws SecurityRoleServiceException;
- public Boolean removeTagsForSecurityroleITOAndTagsITO(SecurityRoleKeyITO securityrole, EditorGroupKeyITO tags)

     throws SecurityRoleServiceException;
- public Boolean removeTagsForSecurityroleITOAndTagsITOList(SecurityRoleKeyITO securityrole, List<EditorGroupKeyITO> tags)

     throws SecurityRoleServiceException;
- public Boolean removeTagsForSecurityroleReferenceKeyAndTagsITO(String securityroleReferenceKey, EditorGroupKeyITO tags)

     throws SecurityRoleServiceException;
- public Boolean removeTagsForSecurityroleReferenceKeyAndTagsITOList(String securityroleReferenceKey, List<EditorGroupKeyITO> tags)

     throws SecurityRoleServiceException;

The above methods have been duplicated and renamed as the following:

- public Boolean addTagsForSecurityroleIDAndTagsITO(String securityroleRecordid, CategoryKeyITO tags)

     throws SecurityRoleServiceException;
- public Boolean addTagsForSecurityroleIDAndTagsITOList(String securityroleRecordid, List<CategoryKeyITO> tags)

     throws SecurityRoleServiceException;
- public Boolean addTagsForSecurityroleITOAndTagsITO(SecurityRoleKeyITO securityrole, CategoryKeyITO tags)

     throws SecurityRoleServiceException;
- public Boolean addTagsForSecurityroleITOAndTagsITOList(SecurityRoleKeyITO securityrole, List<CategoryKeyITO> tags)

     throws SecurityRoleServiceException;
- public Boolean addTagsForSecurityroleReferenceKeyAndTagsITO(String securityroleReferenceKey, CategoryKeyITO tags)

     throws SecurityRoleServiceException;
- public Boolean addTagsForSecurityroleReferenceKeyAndTagsITOList(String securityroleReferenceKey, List<CategoryKeyITO> tags)

     throws SecurityRoleServiceException;
- public Boolean removeTagsForSecurityroleIDAndTagsITO(String securityroleRecordid, CategoryKeyITO tags)

     throws SecurityRoleServiceException;
- public Boolean removeTagsForSecurityroleIDAndTagsITOList(String securityroleRecordid, List<CategoryKeyITO> tags)

     throws SecurityRoleServiceException;
- public Boolean removeTagsForSecurityroleITOAndTagsITO(SecurityRoleKeyITO securityrole, CategoryKeyITO tags)

     throws SecurityRoleServiceException;
- public Boolean removeTagsForSecurityroleITOAndTagsITOList(SecurityRoleKeyITO securityrole, List<CategoryKeyITO> tags)

     throws SecurityRoleServiceException;
- public Boolean removeTagsForSecurityroleReferenceKeyAndTagsITO(String securityroleReferenceKey, CategoryKeyITO tags)

     throws SecurityRoleServiceException;
- public Boolean removeTagsForSecurityroleReferenceKeyAndTagsITOList(String securityroleReferenceKey, List<CategoryKeyITO> tags)

     throws SecurityRoleServiceException;

SUBSCRIPTIONSERVICE

The following methods have been deprecated:

- public Boolean addTagsForSubscriptionIDAndTagsITO(String subscriptionRecordid, EditorGroupKeyITO tags)

    throws SubscriptionServiceException;

- public Boolean addTagsForSubscriptionIDAndTagsITOList(String subscriptionRecordid, List<EditorGroupKeyITO> tags)

    throws SubscriptionServiceException;

- public Boolean addTagsForSubscriptionITOAndTagsITO(SubscriptionKeyITO subscription, EditorGroupKeyITO tags)

    throws SubscriptionServiceException;

- public Boolean addTagsForSubscriptionITOAndTagsITOList(SubscriptionKeyITO subscription, List<EditorGroupKeyITO> tags)

    throws SubscriptionServiceException;

- public Boolean removeTagsForSubscriptionIDAndTagsITO(String subscriptionRecordid, EditorGroupKeyITO tags)

    throws SubscriptionServiceException;

- public Boolean removeTagsForSubscriptionIDAndTagsITOList(String subscriptionRecordid, List<EditorGroupKeyITO> tags)

    throws SubscriptionServiceException;

- public Boolean removeTagsForSubscriptionITOAndTagsITO(SubscriptionKeyITO subscription, EditorGroupKeyITO tags)

    throws SubscriptionServiceException;

- public Boolean removeTagsForSubscriptionITOAndTagsITOList(SubscriptionKeyITO subscription, List<EditorGroupKeyITO> tags)

    throws SubscriptionServiceException;

The above methods have been duplicated and renamed as the following:

- public Boolean addTagsForSubscriptionIDAndTagsITO(String subscriptionRecordid, CategoryKeyITO tags)

    throws SubscriptionServiceException;

- public Boolean addTagsForSubscriptionIDAndTagsITOList(String subscriptionRecordid, List<CategoryKeyITO> tags)

    throws SubscriptionServiceException;

- public Boolean addTagsForSubscriptionITOAndTagsITO(SubscriptionKeyITO subscription, CategoryKeyITO tags)

    throws SubscriptionServiceException;

- public Boolean addTagsForSubscriptionITOAndTagsITOList(SubscriptionKeyITO subscription, List<CategoryKeyITO> tags)

    throws SubscriptionServiceException;

- public Boolean removeTagsForSubscriptionIDAndTagsITO(String subscriptionRecordid, CategoryKeyITO tags)

    throws SubscriptionServiceException;

- public Boolean removeTagsForSubscriptionIDAndTagsITOList(String subscriptionRecordid, List<CategoryKeyITO> tags)

    throws SubscriptionServiceException;

- public Boolean removeTagsForSubscriptionITOAndTagsITO(SubscriptionKeyITO subscription, CategoryKeyITO tags)

    throws SubscriptionServiceException;

- public Boolean removeTagsForSubscriptionITOAndTagsITOList(SubscriptionKeyITO subscription, List<CategoryKeyITO> tags)

    throws SubscriptionServiceException;

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The following methods have been deprecated:

- public Boolean addTagListForViewIDAndTagListITO(String viewRecordid, EditorGroupKeyITO tagList)

    throws ViewServiceException;

- public Boolean addTagListForViewIDAndTagListITOList(String viewRecordid, List<EditorGroupKeyITO> tagList)

    throws ViewServiceException;

- public Boolean addTagListForViewITOAndTagListITO(ViewKeyITO view, EditorGroupKeyITO tagList)

    throws ViewServiceException;

- public Boolean addTagListForViewITOAndTagListITOList(ViewKeyITO view, List<EditorGroupKeyITO> tagList)

    throws ViewServiceException;

- public Boolean addTagListForViewReferenceKeyAndTagListITO(String viewReferenceKey, EditorGroupKeyITO tagList)

    throws ViewServiceException;

- public Boolean addTagListForViewReferenceKeyAndTagListITOList(String viewReferenceKey, List<EditorGroupKeyITO> tagList)

    throws ViewServiceException;

- public Boolean removeTagListForViewIDAndTagListITO(String viewRecordid, EditorGroupKeyITO tagList)

    throws ViewServiceException;

- public Boolean removeTagListForViewIDAndTagListITOList(String viewRecordid, List<EditorGroupKeyITO> tagList)

    throws ViewServiceException;

- public Boolean removeTagListForViewITOAndTagListITO(ViewKeyITO view, EditorGroupKeyITO tagList)

    throws ViewServiceException;

- public Boolean removeTagListForViewITOAndTagListITOList(ViewKeyITO view, List<EditorGroupKeyITO> tagList)

    throws ViewServiceException;

- public Boolean removeTagListForViewReferenceKeyAndTagListITO(String viewReferenceKey, EditorGroupKeyITO tagList)

    throws ViewServiceException;

- public Boolean removeTagListForViewReferenceKeyAndTagListITOList(String viewReferenceKey, List<EditorGroupKeyITO> tagList)

    throws ViewServiceException;

- public Boolean addTagsAssignedToViewForViewIDAndTagsAssignedToViewITO(String viewRecordid, EditorGroupKeyITO tagsAssignedToView)

    throws ViewServiceException;

- public Boolean addTagsAssignedToViewForViewIDAndTagsAssignedToViewITOList(String viewRecordid, List<EditorGroupKeyITO> tagsAssignedToView)

    throws ViewServiceException;

- public Boolean addTagsAssignedToViewForViewITOAndTagsAssignedToViewITO(ViewKeyITO view, EditorGroupKeyITO tagsAssignedToView)

    throws ViewServiceException;

- public Boolean addTagsAssignedToViewForViewITOAndTagsAssignedToViewITOList(ViewKeyITO view, List<EditorGroupKeyITO> tagsAssignedToView)

    throws ViewServiceException;

- public Boolean addTagsAssignedToViewForViewReferenceKeyAndTagsAssignedToViewITO(String viewReferenceKey, EditorGroupKeyITO tagsAssignedToView)

    throws ViewServiceException;

- public Boolean addTagsAssignedToViewForViewReferenceKeyAndTagsAssignedToViewITOList(String viewReferenceKey, List<EditorGroupKeyITO> tagsAssignedToView)

    throws ViewServiceException;

- public Boolean removeTagsAssignedToViewForViewIDAndTagsAssignedToViewITO(String viewRecordid, EditorGroupKeyITO tagsAssignedToView)

    throws ViewServiceException;

- public Boolean removeTagsAssignedToViewForViewIDAndTagsAssignedToViewITOList(String viewRecordid, List<EditorGroupKeyITO> tagsAssignedToView)

    throws ViewServiceException;

- public Boolean removeTagsAssignedToViewForViewITOAndTagsAssignedToViewITO(ViewKeyITO view, EditorGroupKeyITO tagsAssignedToView)

    throws ViewServiceException;

- public Boolean removeTagsAssignedToViewForViewITOAndTagsAssignedToViewITOList(ViewKeyITO view, List<EditorGroupKeyITO> tagsAssignedToView)

    throws ViewServiceException;

- public Boolean removeTagsAssignedToViewForViewReferenceKeyAndTagsAssignedToViewITO(String viewReferenceKey, EditorGroupKeyITO tagsAssignedToView)

    throws ViewServiceException;

- public Boolean removeTagsAssignedToViewForViewReferenceKeyAndTagsAssignedToViewITOList(String viewReferenceKey, List<EditorGroupKeyITO> tagsAssignedToView)

    throws ViewServiceException;

- public Boolean addUserGroupsForViewIDAndUserGroupsITO(String viewRecordid, EditorGroupKeyITO userGroups)

    throws ViewServiceException;

- public Boolean addUserGroupsForViewIDAndUserGroupsITOList(String viewRecordid, List<EditorGroupKeyITO> userGroups)

    throws ViewServiceException;

- public Boolean addUserGroupsForViewITOAndUserGroupsITO(ViewKeyITO view, EditorGroupKeyITO userGroups)

    throws ViewServiceException;

- public Boolean addUserGroupsForViewITOAndUserGroupsITOList(ViewKeyITO view, List<EditorGroupKeyITO> userGroups)

    throws ViewServiceException;

- public Boolean addUserGroupsForViewReferenceKeyAndUserGroupsITO(String viewReferenceKey, EditorGroupKeyITO userGroups)

    throws ViewServiceException;

- public Boolean addUserGroupsForViewReferenceKeyAndUserGroupsITOList(String viewReferenceKey, List<EditorGroupKeyITO> userGroups)

    throws ViewServiceException;

- public Boolean removeUserGroupsForViewIDAndUserGroupsITO(String viewRecordid, EditorGroupKeyITO userGroups)

    throws ViewServiceException;

- public Boolean removeUserGroupsForViewIDAndUserGroupsITOList(String viewRecordid, List<EditorGroupKeyITO> userGroups)

    throws ViewServiceException;

- public Boolean removeUserGroupsForViewITOAndUserGroupsITO(ViewKeyITO view, EditorGroupKeyITO userGroups)

    throws ViewServiceException;

- public Boolean removeUserGroupsForViewITOAndUserGroupsITOList(ViewKeyITO view, List<EditorGroupKeyITO> userGroups)

    throws ViewServiceException;
- public Boolean removeUserGroupsForViewReferenceKeyAndUserGroupsITO(String viewReferenceKey, EditorGroupKeyITO userGroups)

    throws ViewServiceException;
- public Boolean removeUserGroupsForViewReferenceKeyAndUserGroupsITOList(String viewReferenceKey, List<EditorGroupKeyITO> userGroups)

    throws ViewServiceException;

The above methods have been duplicated and renamed as the following:
- public Boolean addTagListForViewIDAndTagListITO(String viewRecordid, CategoryKeyITO tagList)

    throws ViewServiceException;
- public Boolean addTagListForViewIDAndTagListITOList(String viewRecordid, List<CategoryKeyITO> tagList)

    throws ViewServiceException;
- public Boolean addTagListForViewITOAndTagListITO(ViewKeyITO view, CategoryKeyITO tagList)

    throws ViewServiceException;
- public Boolean addTagListForViewITOAndTagListITOList(ViewKeyITO view, List<CategoryKeyITO> tagList)

    throws ViewServiceException;
- public Boolean addTagListForViewReferenceKeyAndTagListITO(String viewReferenceKey, CategoryKeyITO tagList)

    throws ViewServiceException;
- public Boolean addTagListForViewReferenceKeyAndTagListITOList(String viewReferenceKey, List<CategoryKeyITO> tagList)

    throws ViewServiceException;
- public Boolean removeTagListForViewIDAndTagListITO(String viewRecordid, CategoryKeyITO tagList)

    throws ViewServiceException;
- public Boolean removeTagListForViewIDAndTagListITOList(String viewRecordid, List<CategoryKeyITO> tagList)

    throws ViewServiceException;
- public Boolean removeTagListForViewITOAndTagListITO(ViewKeyITO view, CategoryKeyITO tagList)

    throws ViewServiceException;
- public Boolean removeTagListForViewITOAndTagListITOList(ViewKeyITO view, List<CategoryKeyITO> tagList)

    throws ViewServiceException;
- public Boolean removeTagListForViewReferenceKeyAndTagListITO(String viewReferenceKey, CategoryKeyITO tagList)

    throws ViewServiceException;
- public Boolean removeTagListForViewReferenceKeyAndTagListITOList(String viewReferenceKey, List<CategoryKeyITO> tagList)

    throws ViewServiceException;
- public Boolean addTagsAssignedToViewForViewIDAndTagsAssignedToViewITO(String viewRecordid, CategoryKeyITO tagsAssignedToView)

    throws ViewServiceException;
- public Boolean addTagsAssignedToViewForViewIDAndTagsAssignedToViewITOList(String viewRecordid, List<CategoryKeyITO> tagsAssignedToView)

    throws ViewServiceException;
- public Boolean addTagsAssignedToViewForViewITOAndTagsAssignedToViewITO(ViewKeyITO view, CategoryKeyITO tagsAssignedToView)

    throws ViewServiceException;

- public Boolean addTagsAssignedToViewForViewITOAndTagsAssignedToViewITOList(ViewKeyITO view, List<CategoryKeyITO> tagsAssignedToView)

    throws ViewServiceException;
- public Boolean addTagsAssignedToViewForViewReferenceKeyAndTagsAssignedToViewITO(String viewReferenceKey, CategoryKeyITO tagsAssignedToView)

    throws ViewServiceException;
- public Boolean addTagsAssignedToViewForViewReferenceKeyAndTagsAssignedToViewITOList(String viewReferenceKey, List<CategoryKeyITO> tagsAssignedToView)

    throws ViewServiceException;
- public Boolean removeTagsAssignedToViewForViewIDAndTagsAssignedToViewITO(String viewRecordid, CategoryKeyITO tagsAssignedToView)

    throws ViewServiceException;
- public Boolean removeTagsAssignedToViewForViewIDAndTagsAssignedToViewITOList(String viewRecordid, List<CategoryKeyITO> tagsAssignedToView)

    throws ViewServiceException;
- public Boolean removeTagsAssignedToViewForViewITOAndTagsAssignedToViewITO(ViewKeyITO view, CategoryKeyITO tagsAssignedToView)

    throws ViewServiceException;
- public Boolean removeTagsAssignedToViewForViewITOAndTagsAssignedToViewITOList(ViewKeyITO view, List<CategoryKeyITO> tagsAssignedToView)

    throws ViewServiceException;
- public Boolean removeTagsAssignedToViewForViewReferenceKeyAndTagsAssignedToViewITO(String viewReferenceKey, CategoryKeyITO tagsAssignedToView)

    throws ViewServiceException;
- public Boolean removeTagsAssignedToViewForViewReferenceKeyAndTagsAssignedToViewITOList(String viewReferenceKey, List<CategoryKeyITO> tagsAssignedToView)

    throws ViewServiceException;
- public Boolean addUserGroupsForViewIDAndUserGroupsITO(String viewRecordid, UserGroupKeyITO userGroups)

    throws ViewServiceException;
- public Boolean addUserGroupsForViewIDAndUserGroupsITOList(String viewRecordid, List<UserGroupKeyITO> userGroups)

    throws ViewServiceException;
- public Boolean addUserGroupsForViewITOAndUserGroupsITO(ViewKeyITO view, UserGroupKeyITO userGroups)

    throws ViewServiceException;
- public Boolean addUserGroupsForViewITOAndUserGroupsITOList(ViewKeyITO view, List<UserGroupKeyITO> userGroups)

    throws ViewServiceException;
- public Boolean addUserGroupsForViewReferenceKeyAndUserGroupsITO(String viewReferenceKey, UserGroupKeyITO userGroups)

    throws ViewServiceException;
- public Boolean addUserGroupsForViewReferenceKeyAndUserGroupsITOList(String viewReferenceKey, List<UserGroupKeyITO> userGroups)

    throws ViewServiceException;
- public Boolean removeUserGroupsForViewIDAndUserGroupsITO(String viewRecordid, UserGroupKeyITO userGroups)

    throws ViewServiceException;

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- public Boolean removeUserGroupsForViewIDAndUserGroupsITOList(String viewRecordid, List<UserGroupKeyITO> userGroups)

	throws ViewServiceException;
- public Boolean removeUserGroupsForViewITOAndUserGroupsITO(ViewKeyITO view, UserGroupKeyITO userGroups)

	throws ViewServiceException;
- public Boolean removeUserGroupsForViewITOAndUserGroupsITOList(ViewKeyITO view, List<UserGroupKeyITO> userGroups)

	throws ViewServiceException;
- public Boolean removeUserGroupsForViewReferenceKeyAndUserGroupsITO(String viewReferenceKey, UserGroupKeyITO userGroups)

	throws ViewServiceException;
- public Boolean removeUserGroupsForViewReferenceKeyAndUserGroupsITOList(String viewReferenceKey, List<UserGroupKeyITO> userGroups)

	throws ViewServiceException;

WORKFLOWCONDITIONSERVICE

The following methods have been deprecated:

- public Boolean addCategoriesForWorkflowconditionIDAndCategoriesITO(String workflowconditionRecordid, EditorGroupKeyITO categories)

	throws WorkflowConditionServiceException;
- public Boolean addCategoriesForWorkflowconditionIDAndCategoriesITOList(String workflowconditionRecordid, List<EditorGroupKeyITO> categories)

	throws WorkflowConditionServiceException;
- public Boolean addCategoriesForWorkflowconditionITOAndCategoriesITO(WorkflowConditionKeyITO workflowcondition, EditorGroupKeyITO categories)

	throws WorkflowConditionServiceException;
- public Boolean addCategoriesForWorkflowconditionITOAndCategoriesITOList(WorkflowConditionKeyITO workflowcondition, List<EditorGroupKeyITO> categories)

	throws WorkflowConditionServiceException;
- public Boolean removeCategoriesForWorkflowconditionIDAndCategoriesITO(String workflowconditionRecordid, EditorGroupKeyITO categories)

	throws WorkflowConditionServiceException;
- public Boolean removeCategoriesForWorkflowconditionIDAndCategoriesITOList(String workflowconditionRecordid, List<EditorGroupKeyITO> categories)

	throws WorkflowConditionServiceException;
- public Boolean removeCategoriesForWorkflowconditionITOAndCategoriesITO(WorkflowConditionKeyITO workflowcondition, EditorGroupKeyITO categories)

	throws WorkflowConditionServiceException;
- public Boolean removeCategoriesForWorkflowconditionITOAndCategoriesITOList(WorkflowConditionKeyITO workflowcondition, List<EditorGroupKeyITO> categories)

	throws WorkflowConditionServiceException;
- public Boolean addUserGroupsForWorkflowconditionIDAndUserGroupsITO(String workflowconditionRecordid, EditorGroupKeyITO userGroups)

	throws WorkflowConditionServiceException;
- public Boolean addUserGroupsForWorkflowconditionIDAndUserGroupsITOList(String workflowconditionRecordid, List<EditorGroupKeyITO> userGroups)

	throws WorkflowConditionServiceException;

- public Boolean addUserGroupsForWorkflowconditionITOAndUserGroupsITO(WorkflowConditionKeyITO workflowcondition, EditorGroupKeyITO userGroups)

    throws WorkflowConditionServiceException;

- public Boolean addUserGroupsForWorkflowconditionITOAndUserGroupsITOList(WorkflowConditionKeyITO workflowcondition, List<EditorGroupKeyITO> userGroups)

    throws WorkflowConditionServiceException;

- public Boolean removeUserGroupsForWorkflowconditionIDAndUserGroupsITO(String workflowconditionRecordid, EditorGroupKeyITO userGroups)

    throws WorkflowConditionServiceException;

- public Boolean removeUserGroupsForWorkflowconditionIDAndUserGroupsITOList(String workflowconditionRecordid, List<EditorGroupKeyITO> userGroups)

    throws WorkflowConditionServiceException;

- public Boolean removeUserGroupsForWorkflowconditionITOAndUserGroupsITO(WorkflowConditionKeyITO workflowcondition, EditorGroupKeyITO userGroups)

    throws WorkflowConditionServiceException;

- public Boolean removeUserGroupsForWorkflowconditionITOAndUserGroupsITOList(WorkflowConditionKeyITO workflowcondition, List<EditorGroupKeyITO> userGroups)

    throws WorkflowConditionServiceException;

The above methods have been duplicated and renamed as the following:

- public Boolean addCategoriesForWorkflowconditionIDAndCategoriesITO(String workflowconditionRecordid, CategoryKeyITO categories)

    throws WorkflowConditionServiceException;

- public Boolean addCategoriesForWorkflowconditionIDAndCategoriesITOList(String workflowconditionRecordid, List<CategoryKeyITO> categories)

    throws WorkflowConditionServiceException;

- public Boolean addCategoriesForWorkflowconditionITOAndCategoriesITO(WorkflowConditionKeyITO workflowcondition, CategoryKeyITO categories)

    throws WorkflowConditionServiceException;

- public Boolean addCategoriesForWorkflowconditionITOAndCategoriesITOList(WorkflowConditionKeyITO workflowcondition, List<CategoryKeyITO> categories)

    throws WorkflowConditionServiceException;

- public Boolean removeCategoriesForWorkflowconditionIDAndCategoriesITO(String workflowconditionRecordid, CategoryKeyITO categories)

    throws WorkflowConditionServiceException;

- public Boolean removeCategoriesForWorkflowconditionIDAndCategoriesITOList(String workflowconditionRecordid, List<CategoryKeyITO> categories)

    throws WorkflowConditionServiceException;

- public Boolean removeCategoriesForWorkflowconditionITOAndCategoriesITO(WorkflowConditionKeyITO workflowcondition, CategoryKeyITO categories)

    throws WorkflowConditionServiceException;

- public Boolean removeCategoriesForWorkflowconditionITOAndCategoriesITOList(WorkflowConditionKeyITO workflowcondition, List<CategoryKeyITO> categories)

    throws WorkflowConditionServiceException;

- public Boolean addUserGroupsForWorkflowconditionIDAndUserGroupsITO(String workflowconditionRecordid, UserGroupKeyITO userGroups)

    throws WorkflowConditionServiceException;

- public Boolean addUserGroupsForWorkflowconditionIDAndUserGroupsITOList(String workflowconditionRecordid, List<UserGroupKeyITO> userGroups)

    throws WorkflowConditionServiceException;

- public Boolean addUserGroupsForWorkflowconditionITOAndUserGroupsITO(WorkflowConditionKeyITO workflowcondition, UserGroupKeyITO userGroups)

  throws WorkflowConditionServiceException;
- public Boolean addUserGroupsForWorkflowconditionITOAndUserGroupsITOList(WorkflowConditionKeyITO workflowcondition, List<UserGroupKeyITO> userGroups)

  throws WorkflowConditionServiceException;
- public Boolean removeUserGroupsForWorkflowconditionIDAndUserGroupsITO(String workflowconditionRecordid, UserGroupKeyITO userGroups)

  throws WorkflowConditionServiceException;
- public Boolean removeUserGroupsForWorkflowconditionIDAndUserGroupsITOList(String workflowconditionRecordid, List<UserGroupKeyITO> userGroups)

  throws WorkflowConditionServiceException;
- public Boolean removeUserGroupsForWorkflowconditionITOAndUserGroupsITO(WorkflowConditionKeyITO workflowcondition, UserGroupKeyITO userGroups)

  throws WorkflowConditionServiceException;
- public Boolean removeUserGroupsForWorkflowconditionITOAndUserGroupsITOList(WorkflowConditionKeyITO workflowcondition, List<UserGroupKeyITO> userGroups)

  throws WorkflowConditionServiceException;

Deprecated References to EditorGroups in Services

EditorGroups are no longer suppported.

The following methods have been deprecated in the UserService:

- public Boolean addEditorGroupsForUserIDAndEditorGroupsID(String userRecordid, String editorGroupsRecordid)

  throws UserServiceException;
- public Boolean addEditorGroupsForUserIDAndEditorGroupsIDArray(String userRecordid, String[] editorGroupsRecordid)

  throws UserServiceException;
- public Boolean addEditorGroupsForUserIDAndEditorGroupsITO(String userRecordid, EditorGroupKeyITO editorGroups)

  throws UserServiceException;
- public Boolean addEditorGroupsForUserIDAndEditorGroupsITOList(String userRecordid, List<EditorGroupKeyITO> editorGroups)

  throws UserServiceException;
- public Boolean addEditorGroupsForUserIDAndEditorGroupsReferenceKey(String userRecordid, String referenceKey)

  throws UserServiceException;
- public Boolean addEditorGroupsForUserIDAndEditorGroupsReferenceKeyArray(String userRecordid, String[] referenceKey)

  throws UserServiceException;
- public Boolean addEditorGroupsForUserITOAndEditorGroupsID(UserKeyITO user, String editorGroupsRecordid)

  throws UserServiceException;
- public Boolean addEditorGroupsForUserITOAndEditorGroupsIDArray(UserKeyITO user, String[] editorGroupsRecordid)

  throws UserServiceException;
- public Boolean addEditorGroupsForUserITOAndEditorGroupsITO(UserKeyITO user, EditorGroupKeyITO editorGroups)

  throws UserServiceException;

- public Boolean addEditorGroupsForUserITOAndEditorGroupsITOList(UserKeyITO user, List<EditorGroupKeyITO> editorGroups)

     throws UserServiceException;
- public Boolean addEditorGroupsForUserITOAndEditorGroupsReferenceKey(UserKeyITO user, String referenceKey)

     throws UserServiceException;
- public Boolean addEditorGroupsForUserITOAndEditorGroupsReferenceKeyArray(UserKeyITO user, String[] referenceKey)

     throws UserServiceException;
- public Boolean addEditorGroupsForUserLoginAndEditorGroupsID(String userLogin, String editorGroupsRecordid)

     throws UserServiceException;
- public Boolean addEditorGroupsForUserLoginAndEditorGroupsIDArray(String userLogin, String[] editorGroupsRecordid)

     throws UserServiceException;
- public Boolean addEditorGroupsForUserLoginAndEditorGroupsITO(String userLogin, EditorGroupKeyITO editorGroups)

     throws UserServiceException;
- public Boolean addEditorGroupsForUserLoginAndEditorGroupsITOList(String userLogin, List<EditorGroupKeyITO> editorGroups)

     throws UserServiceException;
- public Boolean addEditorGroupsForUserLoginAndEditorGroupsReferenceKey(String userLogin, String referenceKey)

     throws UserServiceException;
- public Boolean addEditorGroupsForUserLoginAndEditorGroupsReferenceKeyArray(String userLogin, String[] referenceKey)

     throws UserServiceException;
- public Boolean removeEditorGroupsForUserIDAndEditorGroupsID(String userRecordid, String editorGroupsRecordid)

     throws UserServiceException;
- public Boolean removeEditorGroupsForUserIDAndEditorGroupsIDArray(String userRecordid, String[] editorGroupsRecordid)

     throws UserServiceException;
- public Boolean removeEditorGroupsForUserIDAndEditorGroupsITO(String userRecordid, EditorGroupKeyITO editorGroups)

     throws UserServiceException;
- public Boolean removeEditorGroupsForUserIDAndEditorGroupsITOList(String userRecordid, List<EditorGroupKeyITO> editorGroups)

     throws UserServiceException;
- public Boolean removeEditorGroupsForUserIDAndEditorGroupsReferenceKey(String userRecordid, String referenceKey)

     throws UserServiceException;
- public Boolean removeEditorGroupsForUserIDAndEditorGroupsReferenceKeyArray(String userRecordid, String[] referenceKey)

     throws UserServiceException;
- public Boolean removeEditorGroupsForUserITOAndEditorGroupsID(UserKeyITO user, String editorGroupsRecordid)

     throws UserServiceException;

- public Boolean removeEditorGroupsForUserITOAndEditorGroupsIDArray(UserKeyITO user, String[] editorGroupsRecordid)

    throws UserServiceException;
- public Boolean removeEditorGroupsForUserITOAndEditorGroupsITO(UserKeyITO user, EditorGroupKeyITO editorGroups)

    throws UserServiceException;
- public Boolean removeEditorGroupsForUserITOAndEditorGroupsITOList(UserKeyITO user, List<EditorGroupKeyITO> editorGroups)

    throws UserServiceException;
- public Boolean removeEditorGroupsForUserITOAndEditorGroupsReferenceKey(UserKeyITO user, String referenceKey)

    throws UserServiceException;
- public Boolean removeEditorGroupsForUserITOAndEditorGroupsReferenceKeyArray(UserKeyITO user, String[] referenceKey)

    throws UserServiceException;
- public Boolean removeEditorGroupsForUserLoginAndEditorGroupsID(String userLogin, String editorGroupsRecordid)

    throws UserServiceException;
- public Boolean removeEditorGroupsForUserLoginAndEditorGroupsIDArray(String userLogin, String[] editorGroupsRecordid)

    throws UserServiceException;
- public Boolean removeEditorGroupsForUserLoginAndEditorGroupsITO(String userLogin, EditorGroupKeyITO editorGroups)

    throws UserServiceException;
- public Boolean removeEditorGroupsForUserLoginAndEditorGroupsITOList(String userLogin, List<EditorGroupKeyITO> editorGroups)

    throws UserServiceException;
- public Boolean removeEditorGroupsForUserLoginAndEditorGroupsReferenceKey(String userLogin, String referenceKey)

    throws UserServiceException;
- public Boolean removeEditorGroupsForUserLoginAndEditorGroupsReferenceKeyArray(String userLogin, String[] referenceKey)

    throws UserServiceException;

The following methods have been deprecated in the WorkflowConditionService:

- public Boolean addEditorGroupsForWorkflowconditionIDAndEditorGroupsID(String workflowconditionRecordid, String editorGroupsRecordid)

    throws WorkflowConditionServiceException;
- public Boolean addEditorGroupsForWorkflowconditionIDAndEditorGroupsIDArray(String workflowconditionRecordid, String[] editorGroupsRecordid)

    throws WorkflowConditionServiceException;
- public Boolean addEditorGroupsForWorkflowconditionIDAndEditorGroupsITO(String workflowconditionRecordid, EditorGroupKeyITO editorGroups)

    throws WorkflowConditionServiceException;
- public Boolean addEditorGroupsForWorkflowconditionIDAndEditorGroupsITOList(String workflowconditionRecordid, List<EditorGroupKeyITO> editorGroups)

    throws WorkflowConditionServiceException;
- public Boolean addEditorGroupsForWorkflowconditionIDAndEditorGroupsReferenceKey(String workflowconditionRecordid, String referenceKey)

    throws WorkflowConditionServiceException;

- public Boolean addEditorGroupsForWorkflowconditionIDAndEditorGroupsReferenceKeyArray(String workflowconditionRecordid, String[] referenceKey)

    throws WorkflowConditionServiceException;
- public Boolean addEditorGroupsForWorkflowconditionITOAndEditorGroupsID(WorkflowConditionKeyITO workflowcondition, String editorGroupsRecordid)

    throws WorkflowConditionServiceException;
- public Boolean addEditorGroupsForWorkflowconditionITOAndEditorGroupsIDArray(WorkflowConditionKeyITO workflowcondition, String[] editorGroupsRecordid)

    throws WorkflowConditionServiceException;
- public Boolean addEditorGroupsForWorkflowconditionITOAndEditorGroupsITO(WorkflowConditionKeyITO workflowcondition, EditorGroupKeyITO editorGroups)

    throws WorkflowConditionServiceException;
- public Boolean addEditorGroupsForWorkflowconditionITOAndEditorGroupsITOList(WorkflowConditionKeyITO workflowcondition, List<EditorGroupKeyITO> editorGroups)

    throws WorkflowConditionServiceException;
- public Boolean addEditorGroupsForWorkflowconditionITOAndEditorGroupsReferenceKey(WorkflowConditionKeyITO workflowcondition, String referenceKey)

    throws WorkflowConditionServiceException;
- public Boolean addEditorGroupsForWorkflowconditionITOAndEditorGroupsReferenceKeyArray(WorkflowConditionKeyITO workflowcondition, String[] referenceKey)

    throws WorkflowConditionServiceException;
- public Boolean removeEditorGroupsForWorkflowconditionIDAndEditorGroupsID(String workflowconditionRecordid, String editorGroupsRecordid)

    throws WorkflowConditionServiceException;
- public Boolean removeEditorGroupsForWorkflowconditionIDAndEditorGroupsIDArray(String workflowconditionRecordid, String[] editorGroupsRecordid)

    throws WorkflowConditionServiceException;
- public Boolean removeEditorGroupsForWorkflowconditionIDAndEditorGroupsITO(String workflowconditionRecordid, EditorGroupKeyITO editorGroups)

    throws WorkflowConditionServiceException;
- public Boolean removeEditorGroupsForWorkflowconditionIDAndEditorGroupsITOList(String workflowconditionRecordid, List<EditorGroupKeyITO> editorGroups)

    throws WorkflowConditionServiceException;
- public Boolean removeEditorGroupsForWorkflowconditionIDAndEditorGroupsReferenceKey(String workflowconditionRecordid, String referenceKey)

    throws WorkflowConditionServiceException;
- public Boolean removeEditorGroupsForWorkflowconditionIDAndEditorGroupsReferenceKeyArray(String workflowconditionRecordid, String[] referenceKey)

    throws WorkflowConditionServiceException;
- public Boolean removeEditorGroupsForWorkflowconditionITOAndEditorGroupsID(WorkflowConditionKeyITO workflowcondition, String editorGroupsRecordid)

    throws WorkflowConditionServiceException;
- public Boolean removeEditorGroupsForWorkflowconditionITOAndEditorGroupsIDArray(WorkflowConditionKeyITO workflowcondition, String[] editorGroupsRecordid)

    throws WorkflowConditionServiceException;

- public Boolean removeEditorGroupsForWorkflowconditionITOAndEditorGroupsITO(WorkflowConditionKeyITO workflowcondition, EditorGroupKeyITO editorGroups)

    throws WorkflowConditionServiceException;

- public Boolean removeEditorGroupsForWorkflowconditionITOAndEditorGroupsITOList(WorkflowConditionKeyITO workflowcondition, List<EditorGroupKeyITO> editorGroups)

    throws WorkflowConditionServiceException;

- public Boolean removeEditorGroupsForWorkflowconditionITOAndEditorGroupsReferenceKey(WorkflowConditionKeyITO workflowcondition, String referenceKey)

    throws WorkflowConditionServiceException;

- public Boolean removeEditorGroupsForWorkflowconditionITOAndEditorGroupsReferenceKeyArray(WorkflowConditionKeyITO workflowcondition, String[] referenceKey)

    throws WorkflowConditionServiceException;

Deprecated Child Methods in Potentially Large ITOs

To eliminate any potential performance issues with Categories, Views, and Repository, the child methods have been deprecated from them and made available in their respective services.

The following methods have been deprecated from the CategoryITO:
- public void setChildren(List<CategoryKeyITO> value);
- public List<CategoryKeyITO> getChildren();
- public void addToChildren(CategoryKeyITO value);
- public void removeFromChildren(CategoryKeyITO value);

An equivalent method is available from the CategoryService:
- public List<CategoryITO> categoryListKeyByParentReferenceKey(String referenceKey, String locale, String sortOrder, String sortDirection)

    throws CategoryServiceException;

The following methods have been deprecated from the ViewITO:
- public void setChildren(List<RepositoryKeyITO> value);
- public List<RepositoryKeyITO> getChildren();
- public void addToChildren(RepositoryKeyITO value);
- public void removeFromChildren(RepositoryKeyITO value);

An equivalent method is available from the ViewService:
- public List<ViewITO> viewListKeyByParentReferenceKey(String referenceKey, String locale, String sortOrder, String sortDirection)

    throws ViewServiceException;

The following methods have been deprecated from the RepositoryITO:
- public void setChildren(List<RepositoryKeyITO> value);
- public List<RepositoryKeyITO> getChildren();
- public void addToChildren(RepositoryKeyITO value);
- public void removeFromChildren(RepositoryKeyITO value);

An equivalent method is available from the ViewService:
- public List<ViewITO> viewListKeyByParentReferenceKey(String referenceKey, String locale, String sortOrder, String sortDirection)

    throws ViewServiceException;

ContentRecordService needs approve, reject and addComment methods

The ContentRecordService now has the ability to add a comment or approve/reject workflow steps.

The following methods have been added to allow such actions:
- public ContentRecordITO approve(ContentRecordITO content, String comments)

   throws ContentRecordServiceException;
- public ContentRecordITO reject(ContentRecordITO content, String comments)

   throws ContentRecordServiceException;
- public ContentRecordITO addComment(ContentRecordITO content, String comments)

   throws ContentRecordServiceException;

Note: See "Known Limitations" for additional information about ContentRecordService.

Custom Classifier Requirements

InQuira 8.1.2.4 and later releases require that custom classifiers be rewritten with the new API that handles the collection. The new model classifies one collection at a time. The logic should use the parameter as the collection name. This eliminates the "for" loop for all collections.

To get the list of documents, use the following API call:

```
int colId   = Execution.context().getUDS().getCollectionId(collectionName);

int[] docIds = Execution.context().getUDS.getDocumentIds(colletionId);
```

Corrected Defects for 8.1.2.5

This section contains information about:

- **Corrected IM Analytics Defects**
- **Corrected Search Analytics Defects**
- **Corrected Contact Center Advisor Defects**
- **Corrected Search Defects**
- **Corrected Information Center Defect**
- **Corrected Information Manager Defect**
- **Corrected Tag Library Defect**
- **Corrected Client Library Defects**
- **Other Corrected Defects**

Corrected IM Analytics Defects

Number	Summary	Product
18067	IM Load unable to run through completion on large amounts of data.	Analytics - ETL
15817	IM Log Loading Performance slow.	Analytics - ETL

Number	Summary *(continued)*	Product *(continued)*
18234	Memory and performance issues with content created when too much content is present in a channel.	Analytics IM Operational (Reporting)
17992	"Content Created" report shows the same value for "Content Created Time" and "Content Published Time".	Analytic IM Operational (Reporting)

Corrected Search Analytics Defects

Number	Summary	Product
15958	Popular Concepts report % Questions is not the % of All Questions for the period.	Analytics - Search

Corrected Contact Center Advisor Defects

Number	Summary	Product
	No defects to report.	

Corrected Search Defects

Number	Summary	Product
18341	IM crawl sync issue.	IM-Crawler
18191	IM incremental crawl issue.	IM-Crawler

Corrected Information Center Defect

Number	Summary	Product
18757	Javascript exploit on InfoCenter registration page.	InfoCenter

Corrected Information Manager Defect

Number	Summary	Product
18527	IM Category Reference facets description converted to IM Category display names.	IM - Management Console

Corrected Tag Library Defect

Number	Summary	Product
18757	Modifications to input.user.value.	IM - InfoCenter

Corrected Client Library Defects

Number	Summary	Product
18684	Java Client Library for search outputs massive XML output to stderr.	All InQuira Products
18886	Creating a user takes 30+ minutes.	IM - WebService
18325	iAuthenticator does not work with the new Client Library.	IM - WebService
18162	IM service client Repository Request cannot handle large repository data.	IM - WebService

Other Corrected Defects

Number	Summary	Product
18506	Synchronization causes out of memory exception on the runtimes and causes sync to fail.	Indexer
18026	Workclients produce invalid indices when multiple workclients are active.	Indexer
17800	Import of 1K concepts takes over three hours to complete.	Workbench
17331	Workbench - User Manager - User with certain privilege doesn't work according to the privilege.	Workbench

Known Limitations

The following ContentRecordService methods below take in various parameters, such as reference keys for views, categories, or usergroup:…

- `getLatestContentRecordDataITOs`
- `getLatestSortedContentRecordDataITOs`
- `getPublishedContentRecordDataITOs`
- `getPublishedSortedContentRecordDataITOs`

If one or more of those reference keys contains UTF-8 characters, the methods may fail or skip over that reference key and therefore return incorrect data.

For Example:

```
getPublishedContentRecordDataITOs(...,"?????´????? ??´??",…);
```

The method above adds one or more CONTENT_SERVICE_INVALID_OBJECT_REF_KEY errors to the EWR if a UTF-8 reference key is passed in.

Note: OBJECT is a place holder for REPOSITORY, CATEGORY, USERGROUP, etc.

Release Notes 8.1.2.4

This document contains the following information for the InQuira 8.1.2.4 release:

- **New Features for 8.1.2.4.1**
- **Corrected Defects for 8.1.2.4.1**
- **Limitations for 8.1.2.4.1**
- **Documentation Addenda for 8.1.2.4.1**

New Features for 8.1.2.4.1

InQuira 8.1.2.4 introduces the following new features:

- **Ontology Language Support in Slovakian**
- **InQuira Client Library API Enhancements**
- **Information Manager Enhancements**
- **Stellent Upgrade**
- **InfoCenter CCA User Interface Enhancements**
- **Analytics Enhancements**

Ontology Language Support in Slovakian

Inquira Intelligent Search now supports Slovakian. See "Documentation Addenda for 8.1.2.4.1" to add a new locale/language. The Information Manager UI features *do not* support Slovak.

InQuira Client Library API Enhancements

Web Services consolidated into the new InQuira Client Library API

With release 8.1.2.4, the IM Web Services have been consolidated into the new InQuira Client Library API. The previous imws.war and IMWOWebservices.war functionality has been incorporated into the new IMWS.war included with the current build. It may be necessary to update the deployment URLs if your project utilizes the older version of imws.war or IMWOWebService.war file.

The new deployment URLs are:

```
http://<host>:<port>/imws/WebObjects/IMWebServices.woa/ws/IndexService?wsdl

http://<host>:<port>/imws/WebObjects/IMWebServices.woa/ws/ContentService?wsdl

http://<host>:<port>/imws/WebObjects/IMWebServices.woa/ws/SecurityService?wsdl

http://<host>:<port>/imws/WebObjects/IMWebServices.woa/ws/ChannelService?wsdl

http://<host>:<port>/imws/WebObjects/IMWebServices.woa/ws/CategoryService?wsdl

http://<host>:<port>/imws/WebObjects/IMWebServices.woa/ws/UserService?wsdl
```

INQUIRA

The old style XML interfaces are still supported in the current build but are being deprecated for future use. The new InQuira Client Library API is the preferred integration mechanism moving forward and will be enhanced in future releases.

Information Manager Enhancements

Change synchronization no longer uses JMS providers

As of 8.1.2.4, Information Manager no longer uses OpenJMS (or other JMS providers) to perform change synchronization. During the upgrade to either of these builds, the previously installed OpenJMS software will be uninstalled.

After the IMUpgrader completes, it may be necessary to manually remove portions of the JMS installation as noted in *Upgrading InQuira*, Chapter 2: Upgrading Information Manager, IMUpgrader Utility Overview, OpenJMS Uninstallation Tasks.

Stellent Upgrade

Intelligent Search can pre-process Microsoft Office 2007 files

InQuira uses the third-party Oracle application, Stellent, to preprocess Microsoft Office and Adobe PDF files to the standard InQuira format. This upgrade extends Stellent capabilities to Intelligent Search.

Note: Because Stellent is not available on Apple OS X, customers need to install Stellent onto a supported platform (e.g., Windows, Linux, or Solaris) and configure it as a distributed work client. See the *InQuira Platform and Language Support Guide* for complete information on supported platform and database configurations.

InfoCenter CCA User Interface Enhancements

Several enhancements have been made to InQuira InfoCenter CCA to improve performance and customer experience. See "Corrected Contact Center Advisor Defects" for more details.

Analytics Enhancements

Several enhancements have been made to InQuira Analytics to improve performance and customer experience. See "Corrected IM Analytics Defects" and "Corrected Search Analytics Defects" for more details.

Corrected Defects for 8.1.2.4.1

This section contains information about:
- **Corrected IM Analytics Defects**
- **Corrected Search Analytics Defects**
- **Corrected Contact Center Advisor Defects**
- **Corrected Search Defects**
- **Corrected Information Center Defects**
- **Corrected Information Manager Defects**
- **Corrected Tag Library Defects**
- **Corrected Web Services Defects**
- **Other Corrected Defects**

Corrected IM Analytics Defects

Number	Summary	Product
17505	Analytics upgrade slowness	Analytics - ETL
17731	upgrade_8004.sql script contains add_q_conf_level procedure - too many displays	Analytics - ETL
18025	ORA-12899: value too large for column INQUIRAANALYTICS.REP_GLBL_RESPONSE_TXT.RESPONSE	Analytics - ETL
14892	Time-out and object-not-found issues when running IM Analytics	Analytics - IM (Reporting)
16607	Prompt Selections not carried forward when drilling down	Analytics - IM (Reporting)
16997	Upgrading from 8.0.3 to 8.0.4 - DBInterface -u ods running slowly	Analytics - IM (Reporting)
17122	Changes to the metadata that require a metadata upgrade between 8.0.2 and 8.1.0.1	Analytics - Reports

Corrected Search Analytics Defects

Number	Summary	Product
16232	Search log loading fails	Analytics - Search
16725	IP Address and System Manager departments missing in Analytics	Analytics - Search

Corrected Contact Center Advisor Defects

Number	Summary	Product
13929	InfoCenter CCA highlighting and click thru tracking broken	InfoCenter - CCA
17466	CCA for InfoCenter click thru page missing JS to resize IFrame	InfoCenter - CCA
17467	InfoCenter CCA loses CCA pre-linked answers in UI after faceting, paging, giving feedback	InfoCenter - CCA
17470	InfoCenter CCA highlighting and click thru tracking broken	InfoCenter - CCA
17471	InfoCenter CCA linking answers on answers page, answers are greyed out initially	InfoCenter - CCA
17472	InfoCenter CCA clicking through on greyed out answers still shows Link button	InfoCenter - CCA
17473	InfoCenter CCA linking answer in view mode does not indicate success or error or grey out answer in answers page	InfoCenter - CCA
17474	InfoCenter CCA checkbox linking retains linking history	InfoCenter - CCA
17475	InfoCenter CCA linking answers doesn't give progress indicator or disable actions	InfoCenter - CCA
17476	New way of doing Portlets, Facets, and stored search should be used in c_CCAsearchresults.jsp	InfoCenter - CCA

Corrected Search Defects

Number	Summary	Product
17602	Excerpt for PDF incorrectly displayed	Crawler - File
17329	Password shows clear text in Proxy Authentication	Crawler - Http

Number	Summary *(continued)*	Product *(continued)*
17582	eForum web crawl runs significantly longer with 8.0 than with 7.3	Crawler - Http
10843	Language Agnostic IM Crawler	Crawler - IM

Corrected Information Center Defects

Number	Summary	Product
16134	Ability to more easily manage the history (Session ID is too long)	Run Time
14772	Extracted Files folder not cleaned up after log extraction	Scheduler
17486	Language Users can log into System Manager and run jobs	System Manager
17638	Answer Purposes cannot be created in System Manager	System Manager

Corrected Information Manager Defects

Number	Summary	Product
16385	(Russian) Translate all content into Russian on role edit page.	IM - Management Console
16884	Does not log access activity to documents based upon a flag in the API	IM - Management Console
16995	jTidy returns warning message "missing </{0}> before" when Russian character "Ð¼" is correctly embedded by multiple HTML tags	IM - Management Console
17264	Content Batch does not update DATECOMPLETED and DATEEXPORTED in CONTENTBATCHREQUEST table	IM - Management Console
17478	LDAP/AD integration does not accept email address for username key	IM - Management Console
17479	LASTMODIFIEDTIMESTAMP not set correctly for IM Content consistently	IM - Management Console
17481	Resource File Cleaner does not work as expected	IM - Management Console
17487	Change View Corrupts Data	IM - Management Console
17532	Missing Localization in Russian UI	IM - Management Console
17704	Users experiencing long save times when saving content in a 8.0.3.20 IM Console	IM - Management Console
17729	InfoManager UI/Data visualization - Wrong node appears to be deleted in IM	IM - Management Console
17159	InfoManager 8.1.0.1.6 - Forum Subscribers are notified when a Topic is Viewed	All InQuira Products
17657	Meta Tag Classifier does not refresh the facets with new content	Content Service
17725	Search filter - Unchecking more than one installed language does not work as expected using runtime gateway and within InfoCenter	UI

Corrected Tag Library Defects

Number	Summary	Product
15697	Upgrade from 7.x to 8.x doesn't upgrade the IM DB schema to support utf8	IM - InfoCenter
17149	Localization Issue - Content List in InfoCenter - Suggested Russian/Ukrainian Translation for Views	IM - InfoCenter
17413	Verify impressions=false setting in InfoCenter is correctly configured on setting	IM - InfoCenter
17869	InfoCenter throws an XML parsing exception for certain versions of search response XMLs that include process wizards	IM - InfoCenter

Number	Summary *(continued)*	Product *(continued)*
17944	Performance degradation for get.channel.record tag when there are many case links (3k)	IM - InfoCenter
17987	Rated content cannot be viewed in the console: Unknown column a.QUESTIONID in where clause	IM - InfoCenter

Corrected Web Services Defects

Number	Summary	Product
17719	Invalid Sort Order of Categories via IMWS	IM - WebService

Other Corrected Defects

Number	Summary	Product
17641	Very slow Indexing of a long IM Document (with number filled html attachment)	Indexer
14156	IM upgrader does not replace files properly	Installer
14157	Upgrader will not upgrade files for second server	Installer
16648	Fresh 8.0.4 install using SQL Server as the database shows ??? for locale non-roman locale strings	Installer
17484	Basis library (btrlpjni.dll) is not being applied when running on AMD architecture	Installer
11632	Content processing running very slow on some days -- speedup revision loading	Utility
17557	tailTheLog.sh does not start tailing latest logs	ICE
17771	Ontology classifier intermittently stops classifying content	Ontology service
17898	Variable values assigned in rules that don't fire	Rules

Limitations for 8.1.2.4.1

Rebuilding Content XML files for IM Crawler with SQL Server Repository

There is an unresolved issue in 8.1.2.4 and earlier builds of Information Manager using Microsoft SQL Server to store the IM repository. The error is caused by an incorrect value in the CONTENTTEXT table in the WFSTEPID column. This column should contain either a GUID that represents the workflow step record from the WORKFLOWSTEP table or a NULL value. Exceptions similar to the following are thrown when the column contains invalid values including the empty string ''.

```
730812 [Thread-59] ERROR
com.inquira.services.XMLFormatters.AbstractContentTextFormatter - Error formatting
contenttextpub record 100129d8c6cbd011ebd801d2d00168
er.extensions.eof.ERXDatabaseContextDelegate$ObjectNotAvailableException: No
com.inquira.model.WorkflowStep found with globalID: <WorkflowStep: [recordID: ''] >
at
er.extensions.eof.ERXDatabaseContextDelegate.databaseContextFailedToFetchObject(ERX
DatabaseContextDelegate.java:289)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
```

This exception is thrown when trying to rebuild the XML files used by the IM crawler that are stored on the CONTENT_RESOURCE_MOUNT_POINT. If the rebuild XML operation fails, the InQuira Search engine will not be able to index the document and will not return it in search results. If the document has already

been indexed, it will remain in the index until the document is changed or if a CONTENT RESET occurs causing the IM Crawler to try to reindex the document.

Workaround

In order to resolve this problem manually until the software can be properly patched the following workaround should help.

1 Stop the IM applications.

2 Issue the following SQL statement and commit the changes:
```
UPDATE CONTENTTEXT
SET WFSTEPID=null
WHERE WFSTEPID ='';
```

3 Restart the IM applications.

It maybe necessary to perform this on a regular basis until the software is patched. This issue is documented in Test Track defect 18604.

Documentation Addenda for 8.1.2.4.1

This section lists documentation addenda for the following guides:

- **Intelligent Search Optimization Guide**
- **Information Manager Administration Guide**

Intelligent Search Optimization Guide

Chapter 3: Personal Navigation Setup, "Implementing Personalized Navigation," <u>Classifying Content Based on Language</u>

The Language classifier creates a taxonomy based on document language. It generates a facet for each selected document type:

• English	• German	• Japanese	• Spanish
• French	• Italian	• Korean	• Traditional Chinese

When end users select a language-based facet, the application restricts results to documents identified as being in the specified languages.

To create a new, language-based facet, follow the instructions under Defining Taxonomies using the folllowing guidelines

1 Create the facet with an identifiable label, i.e Test_<Language>.

2 Configure the facet with the expected language for it (i.e German).

3 Add the facet into the language based label list, and save.

4 Create a new Rule for Facet Restriction.

5 Run Classification and Synchronization.

Chapter 3: Personal Navigation Setup, "Personalized Navigation Application Classification Components," <u>Unstructured Data Classifiers</u>

The Language Classifier

This classifier classifies documents based on their encoded language.

Basic Setting	Description
Language	Select one or more languages to include in this taxonomy. Each selected language creates a separate facet.

Information Manager Administration Guide

Chapter 9: Tools Menu, "Managing Supported Locales", Adding a Locale

1   Log in to the Management Console as a SUPER user.

2   Navigate to the TOOLS | Locale Management | Configure menu.

3   Click **Add Locale**. Figure 1 shows the locale edit/add screen.

4   From the drop down menu on the right, choose the locale that you want to add. The drop down selection populates the fields.

5   Make note of the ISO code and the numeric locale code. *

6   Adjust the default time and date formats as required.

7   Make sure that the **Locale Active** checkbox is checked. This makes the locale available to be assigned to a repository.

8   The **Group Default** checkbox is used to indicate if the current locale/language combination is the default in the event that there are multiple locales for a single language. For example, there might by multiple English locales configured: en_US (United States), en_GB (Great Britain).

9   If possible, use a localized string for the locale name.

Important!   Make sure to use a 5 character ISO code in IM. Using a 2 character locale code will cause problems. In Figure 2, the drop down populated the ISO Code as sk. The full locale code was manually edited to sk_SK. (There have been TT defects recorded about this behavior already.) The format of the ISO code is language_LOCATION using standardized 2 character codes.
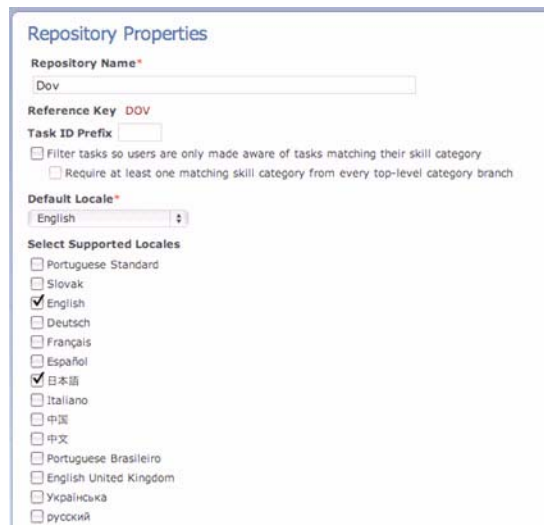
Figure 1: Locale Edit Screen

Adding a New Locale to an Existing Repository

After the locale has been added to the system it can be added to a new or existing IM Repository. In order for a locale to be added to a Repository it MUST be active (see step 7 above).

1 Switch to the desired repository and click on Repository | Manage.

2 Select **Edit Repository** in the Properties box on the right.

3 Choose the **Default** and **Supported** locales that are to be added to the repository.

Figure 2:
Repository Edit
Screen

Updating the IM Management Console HTML Resources

If the IM Management Console will be used to create or edit content for the new locale, it maybe necessary/desirable to update the FCKEditor, pop up calendar/date picker, and spellchecker components. Prior to updating the IM Management Console resources, stop all IM applications. After updating the resources, rebuild the InfoManager WAR using the JDK jar command.

FCKEDITOR

The FCKEditor resources are stored in $INQUIRA_ROOT/instances/<instance name>/appserverim/ webapps/InfoManager/resources/components/fckeditor. All localizations are stored in the editor/lang folder.

SPELLCHECKER DIALOG BOX

The spellchecker dialog box HTML is contained in the $INQUIRA_ROOT/instances/<instance name>/ appserverim/webapps/InfoManager/resources/components/speller folder. Copy the 1033 (English) folder and rename it to the same numeric locale code that was created when adding the new locale. This folder can be translated to update the UI to match the language.

CALENDAR DATE PICKER

The javascript date picker component is stored in the $INQUIRA_ROOT/instances/<instance name>/ appserverim/webapps/InfoManager/resources/components/calendar folder. Copy the calendar_en.html file and rename it with the language attribute of the new locale.

Updating $IM_HOME Resources

The $IM_HOME location contains some components that should be updated to support the new locale. Make all of the changes on a single system and then copy the changes to the exact same location on each server/installation that has a separate $IM_HOME installation.

Email and Task Notification Templates

All email and task notification templates are localized in the file system. The default templates for all repositories are stored under $IM_HOME/config/SYSTEM/taskconfig. Copy each template for the _en locale and rename it with the 2 character lowercase language code.

If any of the email or task notification templates have been modified for a repository, the customized versions of the templates are stored under $IM_HOME/config/<REPOSITORY>/taskconfig. Copy the English version of each template and rename it with the 2 character lowercase language code.

Spellchecker Dictionary Files

Copy all of the *.tlx and *.clx files from the $IM_HOME/ssce folder into a new folder with the complete 5 character ISO code.

Default InfoCenter/New Tag lib Files

When a new web application is registered the files are copied from the $IM_HOME/install/taglib folder. Currently this is the location from where the default InfoCenter is created.

Copy and rename the $IM_HOME/install/taglib /WEB-INF/ApplicationResources_en.properties and client.properties files to the new language.

Copy the changed resources/application/components/fckeditor, resources/application/components/speller, resources/application/components/calendar folders from the IM mgmt console to $IM_HOME/install/taglib/ resources

Updating Existing Deployed InfoCenter Applications

If there are existing InfoCenter based applications that have already been deployed they can be updated in the same manner as the Default InfoCenter/tag library files from the previous section.

IM Client Library/Web Services

There are no required changes to IMWS if manually adding a new supported locale.

Release Notes 8.1.2.2

This document contains the following information for the InQuira 8.1.2 release:

- **New Features for 8.1.2.2**

New Features for 8.1.2.2

- Debian Linux Support

- MySQL Support

NOTE: 8.1.2.2 only supports Debian Linux and MySQL. Other operating systems and databases described in the InQuira documentation are not supported in this release.

Release Notes 8.1.2

This document contains the following information for the InQuira 8.1.2 release:

- **New Features for 8.1.2**
- **Corrected Defects for 8.1.2**

New Features for 8.1.2

- Russian and Ukrainian Support
- Information Manager Console Localization
- InfoCenter Localization
- Full Natural language search
- Upgraded Basis Libraries
- Upgraded Stellent to provide support for Office 2007 documents

Corrected Defects for 8.1.2

- **Corrected InfoCenter and ui.jsp Defects**
- **Corrected Information Manager Defects**
- **Corrected Analytics Defects**
- **Other Corrected Defects**

Corrected InfoCenter and ui.jsp Defects

Defect Num	Component	Description
16459	InfoCenter	(Russian) Translate message status.

Corrected Information Manager Defects

Defect Num	Component	Description
14235	Management Console	LASTMODIFIEDTIMESTAMP not set correctly for IM Content consistently.
16387	Management Console	IM Console - (Russian)Get "ValidationLengthException" when saving more than 100 Russian characters to view's key.
16390	Management Console	IM Console - (Russian) Translate "Attribute Save Failure" page into Russian.
16438	Management Console	IM Console - (Russian)Need translation on Delegate Translation page.

Defect Num	Component	Description
16439	Management Console	IM Console - (Russian)Need translation on Delegate Classes Configuration page.
16710	Management Console	Change View Corrupts Data.
17012	Management Console	Calender localization issues.
17083	Management Console	InfoManager 8.1.0.1.6 - CPU maxed with 15-20 Users on Dev.

Corrected Analytics Defects

Defect Num	Component	Description
16652	IM (Reporting)	IM Analytics Report Performance Issues.
14382	Search	ms_prune_data stored procedure is taking too long to clean up the analytics search database.
15922	Search	Popular Questions metric % Questions should be the % of all questions for the period.
16256	Search	Question Clusters Report % of Questions and % of Sessions is incorrect.
16447	Search	Queries with no Responses Report returns queries that have answers in search.

Other Corrected Defects

Defect Num	Component	Description
15072	Propagation	custom.xml not applied to #.xml after propagation causing runtimes to not receive custom.xml changes during next synch.

Release Notes 8.1.1

This document contains the following information for the InQuira 8.1.1 release:

- **New Features for 8.1.1**
- **Corrected Defects for 8.1.1**

New Features for 8.1.1

- **New Web Services Interface:**
  InQuira 8.1.1 introduces a new web services interface designed to simplify access to both Search and Information Manager web services. This new interface provides a platform-specific client API framework designed to be easily integrated into both Java and .Net environments. The new API reduces the overhead and code required to call SOAP based web services. This interface will be expanded in subsequent releases to encompass a greater breadth of functionality available in the InQuira product family. The older style XML based request/responses provided by earlier Information Manager releases are still supported but will be deprecated in a future release in favor of the new client library.

Corrected Defects for 8.1.1

- **Corrected Search Defects**
- **Corrected InfoCenter and ui.jsp Defects**
- **Corrected Information Manager Defects**
- **Corrected Analytics Defects**
- **Other Corrected Defects**

Corrected Search Defects

Defect Num	Component	Description
15920	Work Client	Unexpected Remote Work Client behavior.
16453	Crawler	Chinese language cannot be searched out on Linux.
16451	System Manager	Language Users can log into System Manager and and run jobs.

Corrected InfoCenter and ui.jsp Defects

Defect Num	Component	Description
15980	InfoCenter	Master document is subscribed after clicking "Subscribe" link of translated version.
16338	InfoCenter	Many missing translations in Spanish.
16435	InfoCenter	(Russian) Channel subscription doesn't work.

Defect Num	Component	Description
16489	InfoCenter	Blank page is displayed when going to the third level facet navigation.
16501	InfoCenter	Cannot back to Answers list after clicking thru the IM content.
16035	InfoCenter	Data Form Question is not displayed on non-English locale.
16252	InfoCenter	Default language not selected.
16373	InfoCenter	The text of the replacement token is not displayed on content detail page.

Corrected Information Manager Defects

Defect Num	Component	Description
15087	Console	IM import of UTF 8 file with special characters. Resulting content not displaying correctly.
16392	Console	(Russian) Spell Check doesn't work.
16478	Console	(Russian) Message disappear if it is created by different locale user.
15811	Console	Bulk updates of Categories not allowing updates in bulk.
16323	Console	Email notification is not sent out for recommendation on non-English locale.
16386	Console	Application Issue occurs when deleting a user.
16432	Console	Cannot create Ukrainian repository from default screen.
16259	Web Services	Ratings and subscriptions services.
15190	IM Taglib	The get.channel.record tag ignores usergroups attribute for non-pub content.

Corrected Analytics Defects

Defect Num	Component	Description
15922	Analytics	Popular Questions mertic % Questions should be the % of all questions for the period.
16256	Analytics	Question Clusters Report % of Questions and % of Sessions is incorrect.
16260	Analytics	Prompt filters are not maintained when drilling down on Intent Breakdown report.
16163	Analytics	IM Operational Reports Published Content (Grid) Report Can't Bring Back Data For 17April08.

Other Corrected Defects

16029	Upgrade	Upgrade Basis to resolve some of the defects that cannot be resolved with the current version.
16030	Upgrade	Upgrade Stellent to be able to provide Microsoft Office 2007 support.
16328	Upgrade	Template under "<IM_Home>\config\SYSTEM\taskconfig" is not upgraded after upgrading IM.

Release Notes 8.1.0.1

This document contains the following information for the InQuira 8.1.0.1 release:

- **New Features for 8.1.0.1**
- **Corrected Defects for 8.1.0.1**

New Features for 8.1.0.1

- **Support of Russian and Ukrainian. The following components are available for the same:**
  - Localized IM Console.
  - Localized Info Center.
  - Localized ui.jsp.8023
  - Full Natural Language Search with Intents for Telecommunication and Customer-help and full ontologies.
- **Info Center has been localized in all the supported languages and is now available in English, French, Spanish, German, Italian, Portuguese, Russian, Ukrainian, Traditional Chinese, Simplified Chinese, Korean, Japanese, Dutch and Thai.**

  Please refer to the Language Matrix for details on the full language suite of InQuira 8.1.0.1.

Corrected Defects for 8.1.0.1

- **Corrected Search Defects**
- **Corrected InfoCenter and ui.jsp Defects**
- **Corrected Information Manager Defects**

Corrected Search Defects

Defect Num	Component	Description
16011	Crawler - IM	IM crawler has bug when failing on bad character
16490	Dictionary Builder	MLD - language=zh-CN does not select correct chinese taxonomy label
15900	Dictionary Service	The Chinese language labels need to be cleaned up
15544	Language Group	Language - Review output of Performance Run for data accuracy
16109	Language Group	Language - Review output of Performance Run for data accuracy - all documents are processed with the English domain list
16422	Language Group	Question on getting an exclusion statement to work
16426	Language Group	Question on modifying test profiles that have been used in previous QM testing
8023	Process Wizard	Lock issues in process wizard at runtime
16479	Quality Monitor	The Quality Monitor passes incorrect parameter names with "test
15831	Run Time	Search results for chinese txt file are not displayed properly
16249	Workbench	Facet Restriction tab on a rule disappears if suppress rule is set

Defect Num	Component	Description
16262	Workbench	security issue - user without admin permission is able to access admin console

Corrected InfoCenter and ui.jsp Defects

Defect Num	Component	Description
14119	InfoCenter	TAGLIB: get.localized.text only looks at language
15761	InfoCenter	IM InfoCenter(I18N) - ValidationLengthException occurs when subscribe a topic.
16103	InfoCenter	Taglib get.channel.record & WS getContentRecord does not return display name of VIEW, CATEGORY, and USERGROUP for none English Content
14830	InfoCenter - CCA	Facets and pagination broken for CCA, possibly caused by dependence on unique id (fix for 14162 and 14141)
16321	UI	not able to switching language/subject based on ui parameters

Corrected Information Manager Defects

Defect Num	Component	Description
14046	Management Console	The IM Doc ID Search isn't returning docs for all locales
14936	Management Console	If both IM LDAP and SSO enabled, IM Login does not check password
16012	Management Console	IM Console/Taglib/WS: unresponsive after an hour, connections through firewall are closed
16085	Management Console	list of supported characters for im content
16154	Management Console	IM Upgrader - MSSQL for BUILD_80400.sql invalid
16247	Management Console	Missing trnalations in Ukrianian, Russian, italian and Japanese
15891	WebService	IMWOWebServices throws exception with custom IAuthenticator
15952	WebService	Adding Content via IMWS adds whitespace to the CONTENTVALUE entries

Release Notes 8.1

This document contains the following information for the InQuira 8.1 release:

- **New Features for 8.1**

New Features for 8.1

This section lists the features that are new to the 8.1 release.

New Search Features

- **Added support for full natural language search in multiple languages in the same instance.**
- **Added cross-lingual search that provides users with the option to ask a question in one language, but get the results back in multiple languages without having to rewrite the question in additional languages.**
- **Added contextual search in multiple departments in a single instance.**
- **Added the ability to create unique intent responses per language or locale.**
- **Default search UI (ui.jsp) has been localized to all supported languages.**
- **Added language detection during content processing.**

New Information Manager Features

- **World Server Integration**
  - Added ability to create and export batches of documents for translation.
  - Batch monitor automates the import process as translated copies are completed.
- **Web Service support for file attachment upload**
  - Uploads files and images for documents that exist, requiring the document to be created first.
  - Updated workflow options to bypass workflow if modifying only the attachment.
- **User Group support**
  - Added User Groups to Views to restrict what User Groups are seen (similar to categories).
  - Added User Group security for schema attributes.
  - Added User Groups to Find to be able to find documents tagged with specific User Groups (similar to categories).
- **User Group and Category UI component changes**
  - Changed how User Groups are selected in the UI from a check list to resemble the way categories are selected.
  - Added search for categories or user groups.

    These impact User Group and Category selections wherever these selections are possible (User Record, Find, Authoring, Channel Configuration, etc).

- **Enter Multiple Document IDs**
  - Improved Find to enable a user to enter multiple document IDs to find a specific set of documents.
- **Information Center Localization Architecture**
  - Added a resource file for static text in Information Center.

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New Analytics Features

- **Improved performance of ETL Log Loading.**

- **Improved Content Usage reporting.**

- **Improved Most Popular Content reporting.**

- **Improved Content Feedback reporting:**

  - Added the ability to resolve issues with the Feedback Report data for average rating and number of ratings.

  - Added prompts for which question to use for the average rating.

- **Improved Workflow Productivity reporting:**

  - Added ability to see report by month.

  - Added average days to approve and average days to reject in the detail report.

Open Defects for 8.1.1

- "Known Search Defects" on page 84

- "Known InfoCenter and ui.jsp Defects" on page 84

- "Known Information Manager Defects" on page 85

- "Known Analytics Defects" on page 86

- "Other Known Defects" on page 87

Known Search Defects

Defect Num	Component	Description
18507	Crawler - IM	IM Incremental Content Updates task hangs for IM collections
16233	Crawler - Http	Web collection will not produce index in second environment.
16167	Crawler - IM	Incremental IM crawler works incorrectly on published contents.
16805	Crawler - IM	IM Crawler - "Content Update" is failed when re-crawl the channel with new publish documents.
17178	Crawler - IM	All clients using secure attachments - IM secured attachments crawls do not work.
17504	Crawler - IM	3M MLD - b44 - 8.1.0.1.11 - IM Crawler does not pick up incremental changes.
16889	Dictionary	Some base concepts are missing translations.
16890	Dictionary	Problems with decompounding German words.
17503	Dictionary	3M MLD - b44 - Classification fails causing search to go out.
16171	Indexer	Ontology switch hangs.
16300	Navigation	Classification fails with ontology classifier.
16140	Quality Monitor Test Drive	Unable to configure Quality Monitor and Test Drive to point at the production index.
16134	Run Time	Ability to more easily manage the history (Session ID is too long).
11632	Utility	Content processing running very slow on some days -- speedup revision loading.
15587	Workbench	Workbench - Error message pops up when the IM translation is not available for the desired language tab in an intent response.

Known InfoCenter and ui.jsp Defects

Defect Num	Component	Description
11201	InfoCenter	Cannot submit a case if search returned no results.
17158	InfoCenter	Request a different Russian translation for the news notification on the InfoCenter home page.
17294	InfoCenter	Issue with FCK Editor "Cell Background" for complex tables.
17492	InfoCenter	InfoCenter Discussions Filter - Filtering topics by timespan (sel param) and topic status (filter param) doesn't work.

Defect Num	Component	Description
17476	InfoCenter - CCA	New way of doing Portlets, Facets, and stored search should be used in c_CCAsearchresults.jsp.
17480	InfoCenter - CCA	IM InfoCenter - The UI elements are displayed incorrectly after clicking facet on InfoCenter cca page.

Known Information Manager Defects

Defect Num	Component	Description
15179	Management Console	IM console help page for search tab is missing.
15528	Management Console	IM Console - Get Content Save Issue when the Master Identifier is too long.
15570	Management Console	User without any privilege can View and Checkout the document.
15609	Management Console	Batch job cannot be modified.
15712	Management Console	Document cannot be found by team if its publish version is edited.
15736	Management Console	User could control rating analysis task without "Manage Rating Analysis Tasks" privilege.
15798	Management Console	Any Rating item is not chosen after saving the "Rating Analysis" batch job.
15841	Management Console	The several date format is incorrect in Japanese locale when adding a content in IM.
15842	Management Console	IM Console - The time is changed when saving the date with correct format by manual in Japanese locale.
15875	Management Console	Bulk updates of Categories not allowing updates in bulk Product :IM - Management.
15901	Management Console	Exception occurs when registering an InfoCenter and its Context including Chinese characters.
15912	Management Console	Management Console: NullPointerException during loading sessions from persistent storage.
15913	Management Console	IMTagLibrary: Error in sitemap tag.
15948	Management Console	View Issue occurs when editing view.
15954	Management Console	Group outside of a channel could be assigned to the channel's contents.
15982	Management Console	Management Console: Default Ref Key values in form question must be unique.
15991	Management Console	Discussion cannot be saved if more than 100 user groups are created.
16007	Management Console	Group criteria's display depends on category's selection.
16008	Management Console	Contents outside group are found out by group.
16074	Management Console	Adding new version of article fails for large number of attachments.
16133	Management Console	Issue with IM Find and imported documents.
16191	Management Console	Non-English locale content cannot be listed in a channel list.
16266	Management Console	Integrate the Ukrianian Spell checker to IM.

Defect Num	Component	Description
16282	Management Console	Similar contents are not displayed when recommendation is on non-English locale.
16283	Management Console	User can view data form responses list page even though he no privilege.
16285	Management Console	Chinese words cannot be picked up by profanity check.
16290	Management Console	Find function doesn't work on token-document.
16329	Management Console	A required category is not cleaned after removing it from a channel.
16353	Management Console	Deleted content cannot be merged.
16366	Management Console	IM Console - (Russian)Translate "False/True" into Russian.
16374	Management Console	Category searching returned more than one same records.
16389	Management Console	(Russian)Get error page when saving more than 100 Russian characters to channel's name/reference key.
16410	Management Console	(Russian)Date Picker doesn't provide the correct date on Russian locale.
16429	Management Console	Which team a document belongs to is not fixed.
16458	Management Console	IM Console - (Russian) mouse pointing place jumps.
16462	Management Console	IM Console - (Russian)Redirect cannot be displayed for user with other default locale.
16469	Management Console	The channel editing page will continue refreshing when create a channel with required category tree.
16504	Management Console	Exception in invoke getIndexerStatus.
16685	Management Console	Circular nesting in LDAP cause a stack overflow in LDAP processing.
16885	Management Console	Invalid actp values being received.
17032	Management Console	FCK Editor "Merge Down" fails on IE7.
17159	Management Console	Add the ability to notify forum subscribers when a topic is viewed.
17481	Management Console	Resource File Cleaner does not work as expected.
15196	Spell check service	Additions to interactive IM spellchecker via correct.tlx do not work, additions to userdic.tlx confuse spellchecker.

Known Analytics Defects

Defect Num	Component	Description
14772	ETL	extractedFiles folder not cleaned up after log extraction.
13139	IM (Reporting)	PDF Export for IM operational Dashboard break down into several pictures.
15559	IM (Reporting)	IM Special messages are lost in "Forum Top Users" if user local is not the same with topic or message's locale.
15838	IM (Reporting)	The workflow step of the translated content should keep consistency with itself in Content in Process Report.
15983	IM (Reporting)	Data for Published Content Reports don't match.
16088	IM (Reporting)	IM Log Extraction task failed.

Defect Num	Component	Description
16357	IM (Reporting)	PDF export does not support Chinese(traditional and simplified), Russian and Ukrainian.
16607	IM (Reporting)	Prompt Selections are not carried forward when drilling.
16893	IM (Reporting)	8.0 IM Operational Reports Published Content(Grid) Report Can't Bring Back Data For 17April08.
16787	IM (Reporting)	The IM Find for all Published Content for a work team returns different results than the Published Content Analytics report. The MSTR report pulls where the IM article owner is in the work team vs. the IM Find seems to pull where the IM article last modified is in the work team.
14271	Search	Search Log Loading Slowness.
15740	Search	The "promote" response is not regarded as "clicked thru" when clicking "promote" on ui.jsp.
15968	Search	Search Behavior of facet keeps inconsistency between UI.jsp and InfoCenter.
16232	Search	MTS - Search log loading failiing.
16725	Search	IP Address and System Manager departments Missing in Analytics.

Other Known Defects

Defect Num	Component	Description
16441	Log service	Log Service (IM InfoCenter) - Process wizard is broken by a question activity.
16093	Infrastructure	Search log loading task fails due to propagation occurring.
17173	All InQuira Products	Analytics ODS upgrade causes data truncation exception.