Upgrade Notes 7.1 (Nuxeo Issue Tracker)

JQL Query: project in (NXP, NXCM) AND resolution = Fixed AND fixVersion = "7.1" AND ("Impact type" = "API change" OR "Upgrade notes" is not EMPTY) ORDER BY component DESC, key DESC
Sorted by: Component/s descending, then Key descending
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Key	Summary	Upgrade notes
NXP-16113	Do not use dynamical facets for tasks	'Task', 'DocumentRoute' and 'RoutingTask' facets are static and can no longer be added dynamically t a document. 'RoutingTask' is no longer associated to TaskDoc document type but to a new document type called 'RoutingTask' which extends 'TaskDoc'
NXP-16011	Access to existing workflows in Admin/Workflow crashes	The Route tab of a workflow from the Admin center menu now displays the workflow's graph.
NXP-14779	Remove some sites from /nuxeo/site	Some WebEngine's sites were removed from /nuxeo/site page because the their root page returned an error: api, invite, connectClientRoot and registration (user registration addon).
NXP-15925	Include Richfaces js and css resources statically	From Richfaces documentation: The loading of compressed resource packages may lead into significant client performance boost, sinc many small files are aggregated into one big file - the number of HTTP connections necessary to download application resources is significantly decreased. As a side-effect, all RichFaces resources are served in the header at first request and it solves missing dependency issues on AJAX request which does not render h:head
NXP-15910	Fix rich fileupload resources loading on ajaxified tabs	See ~~NXP-15925~~
NXP-16264	REST API: Handle Nicely Validation Errors on id and path endpoints	
NXP-16213	Add 'lastContributor' dublincore metadata in FileSystemItem	Added FileSystemItem#getLastContributor
NXP-16204	Change method sendNotificationSignalForUser to protected visibility in NotificationEventListener	now NotificationEventListener#sendNotificationSignalForUser is protected and no more private.

NXP-16031	Fix conflict between mail subject parameter and subject form field	The variable exposed is now "mailSubject"
		
		`<notification name="Email document" channel="email" enabled="true" availableIn="all"`
		`    autoSubscribed="true" template="emailDocument" subject="${mailSubject}"`
		`    label="label.nuxeo.notifications.email.document">`
		`    <event name="emailDocumentSend"/>`
		`  </notification>`

NXP-16197	All ZIP exports should use the same entry name encoding	Since 7.1, the ZIP entries names are always encoded in UTF8. The {{zip.entry.encoding}} property is b default empty. If you want to get the old behavior back (having entry name encoded in ascii), you need to put {{zip.entry.encoding=ascii}} in your {{nuxeo.conf}} file.
NXP-16003	Merge some nuxeo-platform-imaging modules	org.nuxeo.ecm.platform:nuxeo-platform-imaging-dm and org.nuxeo.ecm.platform:nuxeo-platform-imaging-preview don't exist anymore, update the depencencies to use org.nuxeo.ecm.platform:nuxeo-platform-imaging-jsf instead.
NXP-15819	Mark the MultiviewPicture facet as deprecated	The 'MultiviewPicture' marker facet is deprecated, you can use only the 'Picture' facet now (everything relies on the 'Picture' facet and 'picture' schema).
NXP-16018	Fix document update with a D&D of the same file	Add a new method, AbstractFileImporter#updateDocumentIfPossible, that checks if the target documen can be updated with the current importer.
NXP-16210	Add WARN when a VCS selection gets too big in memory	Property org.nuxeo.vcs.selection.warn.threshold can now be used to control after which threshold (and its multiples) we warn of big selections. 0 is used to deactivate it. The default is 15000.
NXP-15978	Better debugging of database-level connections	Property "org.nuxeo.vcs.setClientInfo" can now be set to "true" to pass an "Application Name" to the database for each connection. The application name is "nuxeo" when idle, or "nuxeo m=123" when in use, where 123 is the mapper instance id (also visible as (123) SQL: ... in TRACE logs).

NXP-16214	Allow MongoDB to not do fulltext indexing	Fulltext indexing can be disabled by adding in the MongoDB repository configuration:
		
		`<repository name="default" label="MongoDB Repository">`
		`  <server>...</server>`
		`  <fulltext disabled="true"/>`
		`</repository>`

NXP-16252	Null document's properties are reimported with empty value (not null)	When exporting documents as XML. Every properties with null value were exported as empty (""). After importing the XML, the property had an empty value instead of null value.

This bug is now fixed.

NXP-16167	Upgrade fasterxml-jackson to 2.4.4	Upgrade to fasterxml-jackson:fasterxml-jackson:2.4.4
NXP-16166	Upgrade joda-time to version 2.6	Upgrade to joda-time:joda-time:2.6
NXP-16165	Upgrade AWS SDK to 1.9.9	Upgrade to com.amazonaws:aws-java-sdk:1.9.9
NXP-16069	Document Validation Service	
NXP-16068	Custom Fields : Principal	
NXP-16067	Custom Fields : Directory	
NXP-16066	Custom Fields : DocumentModel	
NXP-16065	Basic Constraints	
NXP-15975	Core Extended Fields	The XML Schema restrictions are parsed as contraints on document's fields. The references between documents, from documents to directory's entries or from documents to Nuxeo users or groups are now managed. An extension point is available to register references to specific objects. A complete validation API is available. see Nuxeo component org.nuxeo.ecm.core.api.DocumentValidationServiceorg.nuxeo.ecm.core.api.DocumentValidationServic
NXP-15476	Fix XML import of null integer properties	Any workflow derived from the standard SerialDocumentReview should be updated by making sure tha the global variable "index" has an explicit default value of 0.
NXP-14913	Core > Don't use "id" as a parameter name when it's really a "name"	- a parameter name (id -> name) : CoreSession.createDocumentModel(String parentPath, String name, String typeName) - a new property "destinationName" in DocumentEventContext properties for event "emptyDocumentModelCreated" (replacing the deprecated "documentModelId")
NXP-16278	Add support for application/rtf mimetype to PDF conversion	Add application/rtf mimetype for PDF and HTML transformations
NXP-16090	Update code formatting rule on columns limit to 120	Changes on Eclipse configuration: - Nuxeo / Contributors cleanup, templates and formatter preferences: "Setting Nuxeo contributors settings" Or manually, depending on your Eclipse plugins: - Java / Code Style / Formatter: "Import..." => tools/nuxeo-formatter.xml - Ant / Editor / Formatter: "Maximum line width (characters)" => 120 - JavaScript / Code Style / Formatter: "Import..." => tools/javascript-formatter.xml - PyDev / Editor / Code Analysis / pep8.py: add "--max-line-length=120" to the arguments - Web / CSS Files / Editor: "Line width" => 120 - Web / HTML Files / Editor: "Line width" => 120 - XML / XML Files / Editor: "Line width" => 120 - Dart: "Formatter max line length" => 120
NXP-14474	Nuxeo CMIS Connector should optionally JSON encode/decode complex property types	If the following property is set in nuxeo.conf: org.nuxeo.cmis.enableComplexProperties=true then complex properties will be exposed as JSON strings.

NXP-16147	Allow configuring the Http Status from Automation operation response	Automation:
		
		 It's now possible to extend org.nuxeo.ecm.automation.server.jaxrs.RestOperationException to throw in an operation for instance:
		
		 ExceptionTest exception = new ExceptionTest("Exception Message");
		 exception.setStatus(HttpServletResponse.SC_METHOD_NOT_ALLOWED);
		 throw exception;
		
		 It's now possible to specify in the org.nuxeo.ecm.automation.jaxrs.io.operations.RestOperationContext the status code when succeeding before returning the output:
		
		 context.setHttpStatus(HttpServletResponse.SC_METHOD_NOT_ALLOWED);
		
		 Rest API:
		 Rest API has been aligned on these new changes.
		 org.nuxeo.ecm.restapi.server.jaxrs.APIRoot overrides now Webengine ModuleRoot handleError method to define specific status from Automation exception.