

## Nuxeo Issue Tracker

JQL Query: project = "NXP" AND resolution = Fixed AND fixVersion > "8.10" AND fixVersion <= "9.10" AND ("Impact type" = "API change" OR "Upgrade notes" is not EMPTY) ORDER BY component ASC, key ASC

Sorted by: Component/s ascending, then Key ascending

1–106 of 106 as at: 04/01/18 17:39

Key	Summary	Impact type	Upgrade notes
NXP-21860	Make DocumentAuditHelper support all audit backends		A new method have been added to the Audit service: queryLogs(AuditQueryBuilder).
NXP-21956	Move es EVENTS_VIEW page provider to nuxeo-elasticsearch-audit		The `EVENTS_VIEW` page provider definition has been moved from `org.nuxeo.admin.audit.es.contentView.contrib` to the `org.nuxeo.ecm.platform.audit.PageProviderservice.es.contrib` component (but remains the same for 8.10 backport).
NXP-23292	Provide audit backend restore from audit storage		<ul style="list-style-type: none"> <li>A new extension point is available to register an audit storage: <pre>&lt;extension target="org.nuxeo.ecm.platform.audit.service.NXAuditEventsService" point="storage"&gt; &lt;storage id="defaultAuditStorage" class="org.nuxeo.ecm.platform.audit.service.DefaultAuditBackend"/&gt; &lt;/extension&gt;</pre> </li> <li>A new automation operation "Audit.Restore" is available to be able to restore an audit backend from an audit storage.</li> </ul>
NXP-23348	SQL Audit storage SPI impl		Add-on: <a href="https://github.com/nuxeo/nuxeo-audit-storage">https://github.com/nuxeo/nuxeo-audit-storage</a> Marketplace package: <a href="https://github.com/nuxeo/marketplace-audit-storage">https://github.com/nuxeo/marketplace-audit-storage</a> (added in marketplace.ini in <a href="https://github.com/nuxeo/integration-scripts">https://github.com/nuxeo/integration-scripts</a> )  CI set on Jenkins master for both repositories (addons_nuxeo-audit-storage-master, packages_marketplace-audit-storage-master).
NXP-21330	Fix usage of aliases with Java Automation Client		Operation documentation can now be export for each alias using the `nuxeo.automation.export.aliases` configuration parameter. Default to false. <pre>... &lt;extension target="org.nuxeo.runtime.ConfigurationService" point="configuration"&gt; &lt;property name="nuxeo.automation.export.aliases"&gt;true&lt;/property&gt; &lt;/extension&gt; ...</pre>
NXP-21559	Add user check when assigning a permission		Check the existence of the input user name or group name before adding a permission: a NuxeoException will be raised if user or group does not exist in the Nuxeo as "User or group name 'xxx' does not exist. Please provide a valid name."
NXP-21627	Operations to create or update a user or group		New operations available: <ul style="list-style-type: none"> <li>User.CreateOrUpdate</li> <li>Group.CreateOrUpdate</li> </ul> Both operations them have a "mode" parameter that can be set to "create" or "update" to force the operation to do only creates or only updates. Both operations can receive direct parameters or use a "properties" map to receive them.
NXP-21889	Unable to add ACL on a document with a computed group and virtual user	Configuration Change	You can use the property "nuxeo.automation.allowVirtualUser" to allow virtual user (non-existent user) usage in Nuxeo automation. If allowed, Nuxeo server will not check the user existence during automation execution. The default value is false. Set this property to true if you use Nuxeo computed user or computed group.
NXP-21962	Move operations CreateUser and QueryUsers to nuxeo-features		Operations Services.CreateUser and Services.QueryUsers are now part of the base platform, renamed into: <ul style="list-style-type: none"> <li>User.CreateOrUpdate</li> <li>User.Query</li> </ul> Aliases with old names have been kept for compatibility.
NXP-22082	Document.CopySchema should not save the document	Configuration Change	Added a new parameter, saveDocument, true by default to ensure backward compatibility. When set to false the document is not saved, and the session is not saved.
NXP-22190	Restore compatibility on automation		For backward compatibility with version prior to 9.1, you may want to inline the context in the scripting parameters by contributing the extension <pre>&lt;extension target="org.nuxeo.runtime.ConfigurationService" point="configuration"&gt; &lt;property name="nuxeo.automation.scripting.inline-context-in-params"&gt;true&lt;/property&gt; &lt;/extension&gt;</pre>
NXP-22454	New dedicated method Blobs.createJSONBlob	API change	New class: JSONBlob New methods: Blobs.createJSONBlob Blobs.createJSONBlobFromValue

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			Blobs.createJSONBlobFromValueJackson1
NXP-22912	Allow for the document to not be saved in the Add/Remove Facet operations	API change	<p>A new parameter has been added: <code>save</code>. When <code>true</code>, the document is saved, else it is not (other operations in the chain should then save it).</p> <p>Notice: Default value is <code>true</code>, the document is saved by default to maintain compatibility.</p>
NXP-22729	Add AWS Region configuration to Lambda		requires <code>nuxeo.s3storage.region</code>
NXP-21891	Enable blob dispatch based on xpath	API change	<p>The blob dispatcher API (<code>getBlobProvider(doc, blob)</code>) now takes an extra <code>xpath</code> argument, corresponding to the blob <code>xpath</code>, for increased options during dispatch.</p> <p>The <code>DefaultBlobDispatcher</code> can now match blob <code>xpath</code> using the syntax <code>blob:xpath=my/xpath</code> and a new glob operator <code>"~"</code> is available to allow matching things like <code>blob:xpath~files/*file</code></p>
NXP-22217	Extract pure Blob APIs from the Blob APIs related to documents/repositories	API change	<p><code>org.nuxeo.ecm.core.blob.BlobInfo</code> is now used instead of the old <code>org.nuxeo.ecm.core.blob.BlobManager.BlobInfo</code></p> <p><code>DocumentBlobProvider</code> contains extracted APIs from <code>BlobProvider</code> dealing with documents:</p> <ul style="list-style-type: none"> <li>▪ <code>freezeVersion(blob, doc)</code></li> <li>▪ <code>getConvertedStream(blob, mimeType, doc)</code></li> </ul> <p><code>DocumentBlobManager</code> contains extracted APIs from <code>BlobManager</code> dealing with documents:</p> <ul style="list-style-type: none"> <li>▪ <code>readBlob(blobInfo, repositoryName)</code></li> <li>▪ <code>writeBlob(blob, doc, xpath)</code></li> <li>▪ <code>freezeVersion(doc)</code></li> <li>▪ <code>getConvertedStream(blob, mimeType, doc)</code></li> <li>▪ <code>notifyChanges(doc, xpaths)</code></li> <li>▪ <code>garbageCollectBinaries</code></li> <li>▪ <code>isBinariesGarbageCollectionInProgress</code></li> <li>▪ <code>markReferencedBinary(key, repositoryName)</code></li> </ul> <p>The <code>&lt;blobdispatcher&gt;</code> configuration is now on the extension point <code>&lt;extension target="org.nuxeo.ecm.core.blob.DocumentBlobManager" point="configuration"&gt;</code> instead of the old <code>&lt;extension target="org.nuxeo.ecm.core.blob.BlobManager" point="configuration"&gt;</code></p>
NXP-19435	Internal change token for optimistic locking	API change	<p>New API:</p> <ul style="list-style-type: none"> <li>▪ <code>DocumentModel.getChangeToken()</code></li> </ul> <p>New behavior:</p> <ul style="list-style-type: none"> <li>▪ calling <code>doc.putContextData(CoreSession.CHANGE_TOKEN, token)</code> then <code>CoreSession.saveDocument(doc)</code> will check the change token and raise <code>ConcurrentUpdateException</code> in case of mismatch.</li> </ul>
NXP-21828	Allow proxies to be visible through CMIS by default	Configuration Change	<code>org.nuxeo.cmis.proxies=true</code> is now the default
NXP-21877	CMIS query should take into account the <code>maxItems</code> parameter		<p>We introduce a new <code>query</code> API, the <code>queryProjection</code>. This API allows you searching content the same you do with <code>queryAndFetch</code>, it also brings a way to paginate the results you'll get.</p> <p>As it, you can query your repository by paginating and projecting the result.</p>
NXP-23266	Make lazy rendition more resilient when source changes at high rate		<p>Asking for a lazy rendition now returns a "stale" rendition if the property of the source document defined by the <code>sourceDocumentModificationDatePropertyName</code> field of the rendition definition has changed since the latest rendition was computed.</p> <p>In this case, the MIME type of the returned rendition contains <code>stale=true</code>.</p>
NXP-21025	Remove deprecated code for LTS 2017		<p>All documents exported before 9.1 won't be importable in a Nuxeo from 9.1. This is due to schema rework:</p> <ul style="list-style-type: none"> <li>▪ remove 'size' from 'common'</li> <li>▪ remove 'filename' from 'file'</li> </ul> <p>As it, just after upgrading to Nuxeo <code>&gt;= 9.1</code>, you need to do a backup of your Nuxeo Server, in order to have a backup compatible with Nuxeo 9.1.</p> <p>You could also manually edit your export prior to 9.1 in order to make it work with Nuxeo subsequent to 9.1 by removing <code>&lt;common:size&gt;</code> and <code>&lt;file:filename&gt;</code> elements from <code>document.xml</code> files</p>
NXP-19009	Provide an atomic <code>getOrCreateDocument</code> method		<p>A new method is available in <code>CoreSession</code>: <code>getOrCreateDocument(DocumentModel)</code></p> <p>This method can be used to prevent different threads from trying to create the same document.</p>

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NXP-19261	<a href="#">Set vs Update for complex list elements</a>		<p>Setting the value of a complex property now overwrites any previous values, and does not do a partial update anymore.</p> <p>This is controlled by the <code>&lt;clearComplexPropertyBeforeSet&gt;</code> element of the "configuration" extension point of <code>org.nuxeo.ecm.core.schema.TypeService</code>.</p> <p>For backports the old behavior is kept by default, but this can be changed if needed.</p> <p>Note that the compatibility mode (false) is DEPRECATED in 9.3, and will be removed in a future version.</p>
NXP-21334	<a href="#">Don't implicitly reconnect a DocumentModel</a>		<p>In 9.1 and later, trying to get a property from a document fetched through unrestricted code (<code>UnrestrictedSessionRunner</code> or <code>Framework#doPrivileged</code>) outside the unrestricted context throws the following exception if the data model including the property hasn't been loaded before:</p> <p>"NuxeoException: The DocumentModel is not associated to an open CoreSession"</p> <p>Possible solutions are:</p> <ul style="list-style-type: none"> <li>Fetch the property instead of the whole document inside the unrestricted code (<code>queryAndFetch</code>).</li> <li>Call <code>detach(true)</code> on the document within the unrestricted code.</li> <li>Prefetch the schema declaring the property.</li> </ul>
NXP-21338	<a href="#">Use millisecond precision on MySQL/MariaDB</a>	Configuration Change	Require MySQL >= 5.6.4
NXP-21456	<a href="#">Allow to relax document property check depending on configuration</a>		<p>With this feature, you're able to flag properties as deprecated or removed. Which is useful when you want to remove a property from your schema or rename/move it. Nuxeo Platform will also log messages for these properties in order to help developers to remove deprecated usage.</p> <p>Extension point documentation:</p> <p>XML extensions may contain any number of 'property' elements of the form:</p> <pre>&lt;code&gt; &lt;property schema="common" name="size" deprecated="true" /&gt; &lt;property schema="file" name="filename" fallback="content/name" /&gt; &lt;/code&gt;</pre> <p>A property contributed to this extension point enables deprecation mechanisms inside Nuxeo Platform.</p> <p>This generates WARN message of usage to help to remove deprecated usage.</p> <pre>&lt;p /&gt;</pre> <p>A contribution is one of these types:</p> <pre>&lt;ul&gt; &lt;li&gt;deprecated: property still exists in schema definition, but it'll be removed in next version&lt;/li&gt; &lt;li&gt;removed: property has been removed from schema definition, relax platform behavior. This will avoid Nuxeo property not found exceptions for remaining use of the property&lt;/li&gt; &lt;/ul&gt;</pre> <p>The fallback attribute is optional, its value has to be a xpath referencing an existing property in the same schema than removed/deprecated property.</p> <p>When presents, it is used:</p> <pre>&lt;ul&gt; &lt;li&gt;to set the value to the fallback property&lt;/li&gt; &lt;li&gt;to get the value from the fallback property if it exists&lt;/li&gt; &lt;/ul&gt;</pre> <p>Note: for a deprecated property, <code>setValue</code> also set value to property and <code>getValue</code> get value from property if fallback value is null.</p> <pre>&lt;p /&gt;</pre> <p>For example, the contribution below enables WARN message of usage of property <code>&lt;i&gt;file:filename&lt;/i&gt;</code>. This will also get/set the value from/to <code>&lt;i&gt;file:content/name&lt;/i&gt;</code> for deprecated usage of <code>&lt;i&gt;file:filename&lt;/i&gt;</code> property.</p> <pre>&lt;code&gt; &lt;property schema="file" name="filename" fallback="content/name" /&gt; &lt;/code&gt;</pre> <p>As it, each usage of this property will automatically fallback on the fallback and avoid exception from platform.</p> <p>This will also allows to import document declaring the removed property.</p>
NXP-21570	<a href="#">Deprecate scope in DocumentModel context data</a>	API change	<p>Any usage of <code>ScopedMap</code> or <code>ScopeType</code> is deprecated and will be removed in the future.</p> <p>Instead of <code>ScopedMap</code>, use <code>Map&lt;String, Serializable&gt;</code>.</p> <p>Instead of <code>ScopeType</code> in <code>getContextData</code> and <code>putContextData</code>, use equivalent</p>

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			methods without a scope.
NXP-21713	Move EL module to Core		The EL artifact coordinates changed from "org.nuxeo.ecm.platform:nuxeo-platform-el" to "org.nuxeo.ecm.core:nuxeo-core-el"
NXP-21936	Add Property.getXPath method	API change	New API: Property.getXPath() Deprecated: Property.getPath()
NXP-22019	Improve internal change token for optimistic locking	API change	New behavior: <ul style="list-style-type: none"> <li>calling doc.putContextData(CoreSession.USER_CHANGE, Boolean.TRUE) then CoreSession.saveDocument(doc) will flag the save as a "user change".</li> </ul>
NXP-22197	Paginate getChildren calls in BulkLifeCycleChangeListener		To enable pagination of getChildren in BulkLifeCycleChangeListener, you need to set to true the parameter nuxeo.bulkLifeCycleChangeListener.paginate-get-children in a contribution to ConfigurationService.  You can also edit the page size depending on your needs (by default set to 500), by setting the parameter nuxeo.bulkLifeCycleChangeListener.get-children-page-size.
NXP-22259	Internal document version/timestamp (system change token)	Data Persistence Change	A new column "systemchangetoken" (for VCS) or a new field "ecm:systemChangeToken" (for DBS) is now written with each document and incremented automatically at each write.  When migrating from 9.1, for VCS the column hierarchy.changetoken has changed type, it must be deleted so that Nuxeo can recreate it with the correct type: ALTER TABLE hierarchy DROP COLUMN changetoken
NXP-23256	Move validation after aboutToCreate event		Since 9.3, Nuxeo validates documents after firing the aboutTo events for create/update/import API on CoreSession. This behavior is also available on a 8.10 with the right HF and the following configuration contribution: <pre> &lt;extension target="org.nuxeo.runtime.ConfigurationService"   point="configuration"&gt;   &lt;property     name="org.nuxeo.core.validation.after.listeners"&gt;true&lt;/property&gt; &lt;/extension&gt; </pre>
NXP-23267	Document creation applies validation on dirty fields only		Nuxeo now validates all document properties during the creation. As it, it is no longer possible to create a document with a missing value on a required property.
NXP-23439	Preview is not updated after using direct edit		The URLs matching the /nxfi*le/. * pattern are no more cached by the browser. This typically applies to the preview of a Picture document in the Web UI.
NXP-23788	Optimize Read ACL update on big volume	Configuration Change	This feature is activated when the Nuxeo property nuxeo.core.readacl.async.enabled=true. This is the case by default for 9.10, but for the 8.10 backport the default is false (no change in behavior).  When the feature is activated, the Nuxeo property nuxeo.core.readacl.async.threshold can be set to a value (500 by default) above which Read ACL recomputation is done asynchronously.
NXP-21610	Fix missing schema json constraints for list items		When field is a list, the item constraints are now serialized as follow: <pre> {   "@prefix": "dc",   "entity-type": "schema",   "fields": {     "contributors": {       "constraints": [],       "itemConstraints": [         {           "entity-type": "validation_constraint",           "name": "userManagerResolver",           "parameters": {             "includeGroups": "false", "includeUsers": "true" }         },         {           "entity-type": "validation_constraint",           "name": "string",           "parameters": {}         }       ],       "type": "string[]"     }   },   ... } </pre>

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NXP-21582	Move MongoDB Extension Directory to Nuxeo Platform		A new module has been added with the artifact coordinates "org.nuxeo.ecm.platform:nuxeo-platform-directory-mongodb"
NXP-23190	Simple property to switch back to sql directories when mongodb is used		To keep SQL directories with mongodb template enabled, set the following configuration property <code>nuxeo.mongodb.directories.enabled=true</code>
NXP-22421	Database-level integrity constraints for PostgreSQL	Configuration Change	On VCS the repository configuration can now contain <code>&lt;childNameUniqueConstraintEnabled&gt;true&lt;/childNameUniqueConstraintEnabled&gt;</code> This is available for PostgreSQL, and enabled by default.
NXP-23264	Make Nuxeo startup fail when another node has the same clustering id		If a node is started when a node with the same <code>repository.clustering.id</code> already exists (or crashed, maybe the same node), an exception will be thrown at startup:  <pre>ERROR [RegistrationInfoImp] Component service:org.nuxeo.ecm.core.repository.RepositoryServiceComponent notification of application started failed: Failed to initialize clustering for repository: default, Duplicate cluster node with id: 1234 (a crashed node must be cleaned up, or the repository.clustering.id configuration fixed)</pre>
NXP-21284	On a 100M documents repository, server can't start because of nuxeo-dam		Since 9.2, Picture facet is not dynamic anymore due to performance issue on big volume. If you want to make it dynamic again, you can override the facet definition and set <code>perDocumentQuery</code> to true, like this: <pre>&lt;facet name="Picture" perDocumentQuery="true"&gt; &lt;schema name="file"/&gt; &lt;schema name="picture"/&gt; &lt;schema name="image_metadata"/&gt; &lt;/facet&gt;</pre> You'll need to require this component in your contribution "org.nuxeo.ecm.platform.picture.coreTypes".
NXP-23151	Adapt default search aggregation definition for navigation		The default search's <code>dc_created_agg</code> date histogram aggregation is now a month interval (instead a year) and is not displayed anymore in the default search form.
NXP-21931	Make directory services more extensible		<ul style="list-style-type: none"> <li>A new module has been added with the artifact coordinates "org.nuxeo.ecm.platform:nuxeo-platform-directory-test"</li> <li>The unit tests for directories (for SQL and MongoDB) are now located in this module. The backend to use to run these tests can be defined with the system property "nuxeo.test.directory". The available values are : <ul style="list-style-type: none"> <li>sql</li> <li>mongodb</li> </ul> If not set, the same backend as the repository will be used. If unknown by the directories, it will fallback on the sql configuration.</li> <li>The 'DirectoryFeature' is now used for unit testing with directories. This feature will compute which template directory should be used according to the chosen backend.</li> </ul>
NXP-22260	Fix multi valued JAVA system property on Windows in nuxeo.conf		The multi-valued properties, like <code>-Dkey="value1 value2"</code> , can be parsed properly by NuxeoCTL in Windows.
NXP-22411	Generify directory references		A new descriptor for references in directories has been added. Example: <pre>&lt;references&gt; &lt;reference field="groups" directory="groupDirectory" name="user2group" source="userId" target="groupId" dataFile="user2group.csv"/&gt; &lt;/references&gt;</pre> This reference is generic and can be used with SQL and MongoDB implementation.
NXP-22739	Always return a directory entry id as a String		The <code>DirectoryEntryJsonWriter</code> now set an <code>id</code> field with the directory entry id as a String. This is used to retrieve the directory entry when updating an entry through the REST API. The old code relying on the <code>id</code> field in the <code>properties</code> still works.
NXP-23394	Fix slow rendering of huge vocabularies in ADMIN CENTER	Configuration Change	The following property (contribution to the <code>ConfigurationService</code> ) can be set to false to disable corresponding optimizations: "nuxeo.jsf.vocabularies.useRepeatRenderTime". It is set to false on 7.10 and 8.10, use attached configuration <a href="#">enable-jsf-vocabularies-optimis-config.xml</a> to enable it on your instance.
NXP-19726	Upgrade to Tomcat 7.0.81		Tomcat 7.0.81 has a slightly different behavior when parsing URLs containing multiple consecutive slashes, they are not normalized anymore to a single slash. This may have an impact on REST APIs that will now consider the path as

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			incorrect, and would require fixes in the clients if they send such non-normalized paths.
NXP-19046	User with 'Read' access on a document can remove tag using the Nuxeo UI, documentation says otherwise		The behavior has changed to be the one described in documentation since 8.10.
NXP-20584	Fix Elasticsearch ResultSet Size calculation when Offsets and Limits are in use		<code>EsResultSetImpl#size</code> now returns the available number of results in the iterator. Previously it was returning the total number of results that match the query, you can use <code>EsResultSetImpl#totalSize</code> for backward compatibility.
NXP-21186	Edit needed bundle for nuxeo-elasticsearch-core tests		Note that test that run with the Feature RepositoryElasticSearchFeature need to add a test maven dependency on <code>org.nuxeo.ecm.automation:nuxeo-automation-server</code> .
NXP-21279	Fix file:content.length JSON serialization type	Data Persistence Change	Need to reindex Elasticsearch
NXP-22084	Fix possible error when accessing the Search Tab after migrating to 9.1		See <a href="#">NXP-21279</a> upgrade notes: it requires a reindex all.
NXP-23059	Remove the <code>_all</code> field usage as it is going to be deprecated in ES 6.0		When requesting Elasticsearch using HTTP passthrough requests that use <code>query_string</code> or <code>simple_query_string</code> must be adapted to use explicitly the field <code>'all_field'</code> instead of relying on the default <code>'_all'</code> field that is now disabled.
NXP-22996	Improve WorkManager metrics names		The metric <code>nuxeo.works.total.default.scheduled.count</code> that return the total current number of scheduled work for the cluster is renamed as <code>nuxeo.works.total.default.scheduled</code> .
NXP-21853	Allow to not overwrite an existing folder at import	API change	<p>Added:</p> <ul style="list-style-type: none"> <li>■ <code>FileManager#createFolder(CoreSession documentManager, String fullname, String path, boolean overwrite)</code></li> <li>■ <code>FileManagerService#defaultCreateFolder(CoreSession documentManager, String fullname, String path, boolean overwrite)</code></li> <li>■ <code>FileManagerService#defaultCreateFolder(CoreSession documentManager, String fullname, String path, String containerTypeName, boolean checkAllowedSubTypes, boolean overwrite)</code></li> </ul> <p>Deprecated:</p> <ul style="list-style-type: none"> <li>■ <code>FileManager#createFolder(CoreSession documentManager, String fullname, String path)</code></li> <li>■ <code>FileManagerService#defaultCreateFolder(CoreSession documentManager, String fullname, String path)</code></li> <li>■ <code>FileManagerService#defaultCreateFolder(CoreSession documentManager, String fullname, String path, String containerTypeName, boolean checkAllowedSubTypes)</code></li> </ul>
NXP-21311	Default Picture Conversions cannot be disabled		<p>No more 'default' attribute on 9.1+, a picture conversion can be disabled with the 'enabled' attribute.</p> <p>On 8.10 and 7.10, the 'default' attribute still exist. To disable a default picture conversion, 'enabled' AND 'default' need to be set to 'false'.</p>
NXP-19448	Migrate Nuxeo Target Platform as a Nuxeo Platform addon		The <code>nuxeo-target-platforms-mp</code> module has been removed as there is no need for a Nuxeo package of this addon
NXP-21870	Key/Value Service	API change	<p>New Framework service: <code>KeyValueService</code>.</p> <p>From the <code>KeyValueService</code> one can acquire a named <code>KeyValueStore</code>, whose API is currently:</p> <ul style="list-style-type: none"> <li>■ <code>put(key, value)</code></li> <li>■ <code>get(key)</code></li> <li>■ <code>compareAndSet(key, expected, value)</code></li> </ul>
NXP-23029	Add notion of TTL to Key/Value Store	API change	<p>New <code>KeyValueStore</code> APIs:</p> <ul style="list-style-type: none"> <li>■ <code>put(key, value, ttl)</code></li> <li>■ <code>setTTL(key, ttl)</code></li> </ul>
NXP-21679	Display a custom Mobile banner on the login page, JSF and Web UI	API change	<p>Removed:</p> <ul style="list-style-type: none"> <li>■ <code>LoginScreenHelper#NUXEO_PROTOCOL</code></li> <li>■ <code>LoginScreenHelper#getURLForMobileApplication(HttpServletRequest request)</code></li> <li>■ <code>LoginScreenHelper#getURLForMobileApplication(String baseUrl, String requestedURL)</code></li> </ul> <p>Added <code>MobileBannerHelper</code></p>
NXP-21806	Allow contributing new result layouts in the new Web UI	API change	

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NXP-21809	Add Abandon Workflow action for Creator		Note that 8.10-HF03 will be required to be able to see the pending tasks beside the Abandon action ( <a href="#">NXP-21934</a> )
NXP-21907	Address Collection layout : browse != collections		Common 'browse' route is used when navigating to a collection from the collection left drawer menu. As a direct result, clicking a collection from the collections left drawer menu will show the dynamically loaded collection layout.
NXP-22057	Make it possible to access Home > Alerts tab when you subscribed to notifications	API change	<p>Deprecated NotificationManager#getSubscribedDocuments(String prefixedPrincipalName)</p> <p>Added NotificationManager#getSubscribedDocuments(String prefixedPrincipalName, String repositoryName)</p> <p>Removed UnrestrictedDocFetcher</p>
NXP-22076	Remove deprecated API from the NotificationManager	API change	<p>Removed deprecated API since 7.3:</p> <ul style="list-style-type: none"> <li>■ NotificationManager#getSubscribers(String notification, String docId)</li> <li>■ NotificationManager#getSubscriptionsForUserOnDocument(String username, String docId)</li> <li>■ NotificationManager#getUserSubscribedToNotificationOnDocument(String notification, String docId)</li> <li>■ NotificationManager#removeSubscriptions(String username, List&lt;String&gt; notifications, String docId)</li> <li>■ NotificationManager#removeSubscription(String username, String notification, String docId)</li> </ul>
NXP-14830	Removing a user from a group (or deleting the group) for which the Read permission is granted on a folder synchronized for the given user is not detected as a deletion by Drive	API change	<p>Added:</p> <ul style="list-style-type: none"> <li>■ UserManager#getAncestorGroups(String groupId)</li> <li>■ UserManager#notifyUserChanged(String userName, String eventId)</li> <li>■ UserManager#notifyGroupChanged(String groupName, String eventId)</li> <li>■ UserManager#notifyGroupChanged(String groupName, String eventId, List&lt;String&gt; ancestorGroupNames)</li> <li>■ UserManagerImpl#USER_GROUP_CATEGORY</li> <li>■ UserManagerImpl#ID_PROPERTY_KEY</li> <li>■ UserManagerImpl#ANCESTOR_GROUPS_PROPERTY_KEY</li> <li>■ NuxeoDriveGroupUpdateListener</li> <li>■ NuxeoDriveEvents#GROUP_UPDATED</li> </ul>
NXP-21676	Reset Drive synchronization on copied documents	Configuration Change	<p>In 9.1 and later, by default, we reset the synchronization root registrations on a copied document and its children. In 8.10 and earlier the previous behaviour is kept.</p> <p>For 9.1 the previous behavior can be re-activated using:</p> <pre>&lt;extension target="org.nuxeo.runtime.ConfigurationService" point="configuration"&gt; &lt;property name="org.nuxeo.drive.resetSyncRootsOnCopy"&gt;false&lt;/property&gt; &lt;/extension&gt;</pre> <p>For 8.10-HF02 and 7.10-HF23 (default value is "false") the new behavior can be activated by using "true" above.</p> <p>For 6.0-HF37 (default value is "false") the new behavior can be activated by using in nuxeo.conf:</p> <pre>org.nuxeo.drive.resetSyncRootsOnCopy=true</pre>
NXP-21854	Don't send duplicate ids to Drive by default when creating a Folder/File with an existing title	API change	<p>Added:</p> <ul style="list-style-type: none"> <li>■ FileSystemItemManager#createFolder(String parentId, String name, Principal principal, boolean overwrite)</li> <li>■ FileSystemItemManager#createFile(String parentId, Blob blob, Principal principal, boolean overwrite)</li> <li>■ FolderItem#createFolder(String parentId, String name, Principal principal, boolean overwrite)</li> <li>■ FolderItem#createFile(String parentId, Blob blob, Principal principal, boolean overwrite)</li> <li>■ the overwrite parameter to the NuxeoDrive.CreateFolder operation</li> <li>■ the overwrite parameter to the NuxeoDrive.CreateFile operation</li> </ul> <p>Deprecated:</p> <ul style="list-style-type: none"> <li>■ FileSystemItemManager#createFolder(String parentId, String name, Principal principal)</li> <li>■ FileSystemItemManager#createFile(String parentId, Blob blob, Principal principal)</li> <li>■ FolderItem#createFolder(String parentId, String name, Principal principal)</li> <li>■ FolderItem#createFile(String parentId, Blob blob, Principal principal)</li> </ul>
NXP-22320	Fix logging 'download' event continuously with Nuxeo Drive	API change	Previously the 'webengine' reason was used for downloads coming from a WebEngine/Automation/REST API result.



Key	Summary	Impact type	Upgrade notes
			<p>Now 'webengine' is used only for the subset of these that return a JSONBlob, otherwise the 'download' reason will be used.</p> <p>Downloads with 'webengine' reasons are not sent as download events by the DownloadService anymore (and therefore not logged in the audit).</p>
NXP-23290	Impossible to disable a synchronization roots who targets a versioned folder		<p>Since 9.10:</p> <ul style="list-style-type: none"> <li>■ The Drive versioning policy doesn't affect folders.</li> <li>■ Synchronization root registrations are reset when a document is versioned.</li> <li>■ Versions are filtered when retrieving the synchronization roots.</li> </ul>
NXP-23589	Serve Drive configuration from the config folder instead of accessing it directly through nuxeo.war	API change	<p>A new endpoint <code>\$NUXEO_URL/api/v1/drive/configuration</code> allows to fetch the global configuration for Nuxeo Drive in the JSON format.</p> <p>The configuration file <code>nuxeo-drive-config.json</code> is defined in the <code>drive</code> template provided by the <code>nuxeo-drive</code> package and its default values are:</p> <pre> {   "delay": 30,   "ignored_prefixes": [".", "icon\xr", "thumbs.db", "desktop.ini", "-\$"],   "ignored_suffixes": [".bak", ".crdownload", ".lock", ".nxpart", ".part", ".partial", ".swp", ".tmp", "~", ".dwl", ".dwl2"],   "ignored_files": ["^atmp\d+\$"],   "log_level_file": "DEBUG",   "timeout": 30,   "handshake_timeout": 60,   "beta_channel": false,   "update_check_delay": 3600,   "ui": "web" } </pre>
NXP-22550	Align requested fields on connect registration form when using <code>nuxeoctl register-trial</code>	API change	The synopsis has changed to "register-trial [<firstname> <lastname> <email> <company> <project>]"
NXP-23122	Deprecate <code>nuxeoctl register-trial</code> command	API change	Command "nuxeoctl register-trial" is deprecated. To register for a free 30 day trial on Nuxeo Online Services, please visit <a href="https://connect.nuxeo.com/register">https://connect.nuxeo.com/register</a>
NXP-22183	OAuth2: rework consumer registration	API change	<p>Added:</p> <ul style="list-style-type: none"> <li>■ <code>OAuth2Client#redirectURIs</code></li> <li>■ <code>OAuth2Client#getRedirectURIs</code></li> <li>■ <code>OAuth2Client#OAuth2Client(String name, String id, String secret, List&lt;String&gt; redirectURIs)</code></li> <li>■ <code>OAuth2Client#isRedirectURIValid(String redirectURI)</code></li> <li>■ <code>OAuth2Client#toString()</code></li> </ul> <p>Removed <code>OAuth2Client(String name, String id, String secret)</code></p> <p>Added the <code>redirectURIs</code> field to the <code>oauth2Client</code> directory schema. When set through the JSF UI it is a required field and needs to be a comma-separated list of valid redirect URIs. A valid redirect URI must match this criterion: not be empty AND (start with <code>https</code> OR not start with <code>http</code> (e.g.: <code>nuxeo://authorize</code>) OR match the <code>"http://localhost(:d+)?(/.*)?"</code> pattern (e.g.: <code>http://localhost:8080/nuxeo</code>))</p> <p>If the "redirect_uri" parameter is included when calling GET on <code>/oauth2/authorize</code>, it must match one of the redirect URIs defined in the <code>oauth2Client.redirectURIs</code> property of the registered OAuth2 client. Else the first redirect URI of the registered OAuth2 client is used.</p> <p>If the "redirect_uri" parameter was included when calling GET on <code>/oauth2/authorize</code>, it needs to be included when calling POST on <code>/oauth2/token</code> and both parameters must match.</p>
NXP-22193	Implement PKCE for Native Application		<p>The GET <code>/oauth2/authorize</code> request now accepts these 2 parameters:</p> <ul style="list-style-type: none"> <li>■ <code>code_challenge_method</code>, must be "plain" or "S256"</li> <li>■ <code>code_challenge</code> = <code>BASE64URL-ENCODE(t(code_verifier))</code> with <code>t = code_challenge_method</code></li> </ul> <p>The POST <code>/oauth2/token</code> request now accepts the <code>code_verifier</code> parameter.</p> <p>If a <code>code_challenge</code> parameter is sent along with the authorization request, the <code>code_verifier</code> parameter must be sent along with the token request and verify <code>BASE64URL-ENCODE(t(code_verifier)) == code_challenge</code> with <code>t = the method defined by the initial code_challenge_method parameter</code>.</p>
NXP-22523	Remove contributions registration on ClientRegistry service		<p><code>ClientRegistry</code> class does not exist anymore but was replace with <code>OAuth2ClientService</code>.</p> <p>If you were retrieving it, you should replace your code with:</p> <pre> OAuth2ClientService clientService = Framework.getService(OAuth2ClientService.class); </pre>



Key	Summary	Impact type	Upgrade notes
NXP-22617	Rename OAuth2 servlet path from /oauth2/authorization to /oauth2/authorize		The /oauth2/authorization endpoint has been renamed to /oauth2/authorize.
NXP-23825	User should not be asked for grant authorization if already done		Users need to authorize an application to access Nuxeo through OAuth2 only once. Moreover, if the OAuth2 client is configured on the server with "Auto-grant", users never need to authorize this client, thus bypassing completely the OAuth2 grant page.
NXP-21800	PubSub Service	API change	A new PubSubService is available, providing cross-instance publish/subscribe methods: <ul style="list-style-type: none"> <li>publish(topic, message) sends a message to the given topic</li> <li>registerSubscriber(topic, subscriber) registers a subscriber</li> </ul>
NXP-22775	Expose page provider offset in Search Rest Endpoint		The search endpoint now exposes an "offset" property which is used by the underlying page provider to return results from this offset. If set, the "currentPageIndex" property is ignored.
NXP-22702	Allow configuration of quota max size	Configuration Change	Quota maximum size can now be changed from the default using: <pre>&lt;require&gt;org.nuxeo.ecm.quota.maxsize.config&lt;/require&gt; &lt;extension target="org.nuxeo.runtime.ConfigurationService" point="configuration"&gt; &lt;property name="nuxeo.quota.maxsize"&gt;2 TB&lt;/property&gt; &lt;/extension&gt;</pre> The size is expressed in bytes but can use a suffix like KB, MB, GB or TB.
NXP-22786	CacheService using local caching with distributed invalidations		RedisCache has been removed because it is now redundant and less efficient than the new pubsub-based invalidations (which are also based on an underlying Redis).
NXP-18546	Add CurrentUser endpoint "/me"		New endpoint available: <ul style="list-style-type: none"> <li>GET '/me' returns current NuxeoPrincipal</li> <li>PUT '/me/changepassword' with { "oldPassword": "xxxxx", "newPassword": "yyyy" } as payload changes password if oldPassword is correct, 401 http code otherwise</li> </ul>
NXP-22254	Add ability to set change token from REST API	API change	When updating a document, 'changeToken' can be passed back. A 409 will then be returned if there is a conflict server-side.
NXP-23202	Expose max results in the page provider response		New org.nuxeo.ecm.platform.query.api.PageProvider.getResultsCountLimit() method on page provider api to access the limit of number of results beyond which the page provider may not be able to compute the result count. <ul style="list-style-type: none"> <li>navigate.</li> </ul>
NXP-19326	Nuxeo Runtime Evolutions - Step 1		If you upgrade, in order to make the hot reload works you need to add to your nuxeo.conf the following parameters : <div style="border: 1px solid #ccc; padding: 5px; margin: 10px 0;"> <pre>org.nuxeo.runtime.reload_strategy=unstash</pre> </div>
NXP-21969	graceful shutdown in tomcat	API change	On components, you could now provide a stopping logic by overriding the 'DefaultComponent#applicationStopped(ComponentContext, Instant)' method.
NXP-22131	Allow dynamic log4j.xml configuration changes	Configuration Change	The configuration file lib/log4j.xml is now automatically scanned for changes dynamically while the server is running. <p>This can be disabled by setting org.nuxeo.runtime.log4jwatch.disabled=true. The delay between two file checks can be changed from the default 10s using org.nuxeo.runtime.log4jwatch.delay=60.</p>
NXP-23097	Dependencies upgrade	API change	
NXP-19466	Clean up default property value behavior	API change	Setting a property value to null now always sets it to the default value if a default value is configured for the schema field. <p>Getting the value for a simple list property whose schema field doesn't specify a default value now always returns null instead of an empty array when there is no value (i.e. empty array is considered the same as null and normalized to null).</p>
NXP-22242	Page advance arrow not working in content views		Templates a4jPageNavigationControls.xhtml and pageNavigationControls.xhtml are waiting for a unique controlsId parameter, used to set unique ids on control buttons
NXP-22212	Update and cleanup nuxeo-segment.io-connector		<ul style="list-style-type: none"> <li>Refactoring from Providers to Integrations : <ul style="list-style-type: none"> <li>Extension point "providers" replaced by "integrations"</li> <li>Tags providersConfig/providers/provider replaced by integrationsConfig/integrations/integration</li> <li>Class SegmentIOProviders replaced by SegmentIOIntegrations</li> </ul> </li> <li>Class Group removed in favor of the one provided in analytics lib</li> <li>No default cache config for the js script</li> <li>No default openUrl config</li> </ul>

Key	Summary	Impact type	Upgrade notes
			<ul style="list-style-type: none"> <li>• Firstname and Lastname not sent by default on identify calls</li> </ul> <p>These changes breaks the backward compatibility but we believe NOS team is the only one using this addon for now so we accept it</p>
NXP-22462	Fix segmentIO analytics version in dependencyManagement		com.github.segmentio:analytics managed version in nuxeo is now 1.0.7
NXP-23854	Deprecate nuxeo-mqueues addon		The addon nuxeo-mqueues is superseded by nuxeo-stream, this experimental addon is now suppressed.
NXP-21651	Add new implementation for tag service		<p>A new configuration property nuxeo.faceted.tag.service.enabled is available to switch between the old and the new tag service implementation. The old one is activated by default (nuxeo.faceted.tag.service.enabled=false).</p> <p>When using this new implementation, applying and removing tags are disallowed on proxies.</p>
NXP-21717	Decouple SuggestTagEntry operation from JSF and document tags enricher should return all tags		SuggestTagEntry.java has been moved from nuxeo-platform-tag-web to nuxeo-platform-tag-core and currentDocument retrieved from JSF context must now be passed as an automation param. The TagEnricher now returns flat tags without weight and not only for the current user anymore.
NXP-23091	Provide a migration procedure for tags		<p>When upgrading from a previous Nuxeo version, if you want to keep (and later migrate) old tags, add the contribution:</p> <pre>&lt;code&gt;&lt;require&gt;org.nuxeo.ecm.platform.tag.service.migrator&lt;/require&gt; &lt;extension target="org.nuxeo.runtime.migration.MigrationService" point="configuration"&gt;   &lt;migration id="tag-storage"&gt;     &lt;defaultState&gt;relations&lt;/defaultState&gt;   &lt;/migration&gt; &lt;/extension&gt;&lt;/code&gt;</pre>
NXP-18317	Prevent the resending of a request by sun.net.www.http.HttpClient		Added "-Dsun.net.http.retryPost=false" to the JVM options to prevent the JDK's HTTP client from automatically resending to the server an unsuccessful HTTP POST request
NXP-22798	Use Jersey's Apache HTTP client handler instead of default one for the REST API tests	API change	<p>Added:</p> <ul style="list-style-type: none"> <li>■ CloseableClientResponse</li> <li>■ JerseyClientHelper</li> <li>■ BaseTest#getServiceFor(String username, String password)</li> <li>■ BaseTest#getServiceFor(String resource, String username, String password)</li> </ul> <p>The Apache implementation is stricter than the JDK implementation previously used: any time you obtain a ClientResponse from Jersey it needs to be closed otherwise connections might leak.</p> <p>Therefore all the BaseTest#getResponse methods now return a CloseableClientResponse that implements AutoCloseable, and the right pattern to use in the tests is:</p> <pre>&lt;code&gt;try (CloseableClientResponse response = getResponse(RequestType.GET, "id/" + note.getId())) {   // Do something with the response   assertEquals(Response.Status.OK.getStatusCode(), response.getStatus());   assertEntityEqualsDoc(response.getEntityInputStream(), note); }&lt;/code&gt;</pre> <p>This is true no matter what signature of getResponse you are using and whatever HTTP method you are invoking: POST, GET, PUT, DELETE.</p> <p>If you are not relying on BaseTest#getResponse but are using directly WebResource.get or WebResource.post to make a call then you must do something like:</p> <pre>&lt;code&gt;WebResource wr = client.resource(NUXEO_URL).path(path); try (CloseableClientResponse cr = CloseableClientResponse.of( wr.queryParam("access_token", accessToken).get(ClientResponse.class)) {   assertEquals(401, cr.getStatus()); }&lt;/code&gt;</pre> <p>If you are not extending BaseTest and are instantiating a Client yourself, you must make sure to rely on the Apache HTTP client by calling:</p> <pre>&lt;code&gt;Client client = JerseyClientHelper.DEFAULT_CLIENT;</pre> <p>or:</p> <pre>&lt;code&gt;Client client = JerseyClientHelper.clientBuilder() .setXXX() .setYYY() .build();&lt;/code&gt;</pre>