

Upgrade Notes 6.0 (Nuxeo Issue Tracker)

JQL Query: project in (NXP, NXCM) AND resolution = Fixed AND fixVersion = "6.0" 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-15312	Remove unused css class from admin templates	.adminViewContent, .adminTabsColumn, and .admincontentcolumn css classes removed.
NXP-15750	Make IE behavior configurable	New extension point "responseHeaders" to add headers in the HTTP response: <pre><extension target="org.nuxeo.ecm.platform.web.common.requestcontroller.service.RequestControllerService" point="responseHeaders"> <header name="X-UA-Compatible"> E=10; IE=11</header> </extension></pre>
NXP-15294	Allow to skip surefire tests	Add maven property "skip.surefire.tests" to be able to skip only surefire tests. -Dskip.surefire.tests=true
NXP-15763	Flavors > Create new variables to help customization	You can use the .coloredWidget class to have a background style widget.
NXP-15304	Deprecate nuxeo flavor unicolor addon	Nuxeo Flavor Unicolor addon is deprecated for Nuxeo Platform 6.0
NXP-14987	Remove unused resource blueGrayDM richfaces skin	blueGrayDM.skin.properties removed from master (old custom skin). Added to nuxeo-resources-compat module.
NXP-14983	Remove unused resource calendar.css	Calendar.css removed from master. Added to nuxeo-resources-compat module.
NXP-15229	Remove ability to setup negative ACLs in the UI	To re-enable negative ACL (deny permissions) in the UI the following needs to be added to nuxeo.conf: nuxeo.security.allowNegativeACL=true Note that this is only possible for VCS, as DBS (MongoDB) doesn't allow negative ACLs.
NXP-15452	User should be redirected to full text search filter when hitting enter on suggestor	Navigation handlers have been removed. Navigation on the result is now handle by the entry Handler of the select2.
NXP-14996	Refactor search suggest box to rely on Select2	The automation chains defined for handling the navigation are not used anymore. The navigation is done via a JavaScript redirection, the url of the element is defined in the suggestion object.
NXP-15463	Allow skipping URL rewrite and redirect on error	request attribute named FancyNavigationHandler#DISABLE_REDIRECT_FOR_URL_REWRITE should be set to true to avoid redirect on post
NXP-15242	Move multi-navigation views management to CAP	NavTreeService, NavTreeDescriptor, NavTreeRegistry and MultiNavTreeManager classes have been moved to package org.nuxeo.ecm.webapp.tree.nav (instead of org.nuxeo.ecm.virtualnavigation.action), compatibility aliases were defined for extension point, changed from "org.nuxeo.ecm.platform.virtualnavigation.NavTreeService" to "org.nuxeo.ecm.webapp.tree.nav.NavTreeService". The following methods have been removed, listing of available trees now rely on actions in category TREE_EXPLORER (or DIRECTORY_TREE_EXPLORER to select only directory tree contributions): <ul style="list-style-type: none"> - getSelectedNavigationTreeDescriptor() - getAvailableNavigationTrees() - associated EVENT scoped attributes selectedNavigationTree and selectedNavigationTreeDescriptor
NXP-15181	Remove ui-web compat module for JSF2	removed tomahawk JSF taglibs from default distributions, as well as commons-el, replaced by jboss-el in coreserver distribution. nxh/nxu tags relying on tomahawk JSF libs have been migrated to use JSF/RichFaces/Nuxeo taglibs instead. The tag nxu:columns has been removed. There can be minor HTML rendering changes when using the nxu:dataList tag, now relying on tag rich:list instead of t:dataList.
NXP-15125	Fix virtual navigation page results (JSF2 regression)	removed now useless APIs : <ul style="list-style-type: none"> - DirectoryTreeManager#changeExpandListener - DirectoryTreeManager#adviseNodeOpened - TreeActions#changeExpandListener - TreeActions#adviseNodeOpened Added: <ul style="list-style-type: none"> - TreeActions#isNodeExpandEvent - TreeActions#toggleListener

NXP-15048	Review styling after JSF2 migration	JSF1 RichFaces Calendar and FileUpload styles removed.
NXP-14230	Review ajax behaviour for JSF2 / Richfaces 4.3.5	a4j and richfaces tags have changed, some ajax behaviours too, see NXP-13805
NXP-14225	Upgrade navigation system to JSF2	a new endpoint extension target="faces-config#NAVIGATION-RULE" can now be contributed to the deployment-fragment file.
NXP-14222	Migrate Richfaces 3.3.1-GA -> 4.3.x or 4.5.x	TODO: document needed changes
NXP-13805	Upgrade the JSF stack to JSF2	see upgrade notes at http://doc.nuxeo.com/x/3Q45AQ
NXP-15315	delete temporary files when leaving a thread	If you have troubles with the thread's cleaning strategy, blacklist in the runtime the "org.nuxeo.runtime.trackers.files.threadstracking.config" component by listing it in the "nxserver/config/blacklist" file.
NXP-14747	By default JSON serialization of document should return all schemas	If X-NXDocumentProperties header is not set by default, all document schemas properties are returned by default (usually was common properties) for all REST API calls on command endpoint or resource endpoint related to document
NXP-15491	Make DM a transitional Marketplace Package	<p>The nuxeo-dm Marketplace Package is now a deprecated transitional package with the following dependencies:</p> <ul style="list-style-type: none"> - nuxeo-dam - nuxeo-virtualnavigation - nuxeo-imap-connector - nuxeo-diff - nuxeo-opensocial <p>Rename artifacts:</p> <ul style="list-style-type: none"> - nuxeo-distribution-dm-selenium-tests to nuxeo-distribution-cap-selenium-tests - org.nuxeo.tool:funkload-utility (nuxeo-distribution-dm/ftest/funkload) to nuxeo-distribution-cap-funkload-tests - nuxeo-distribution-dm-cmis-tests to nuxeo-distribution-cap-cmis-tests <p>Remove artifacts:</p> <ul style="list-style-type: none"> - org.nuxeo.ecm.distribution:nuxeo-distribution-resources:zip:templates-common-dm <p>Folders reorg:</p> <ul style="list-style-type: none"> - nuxeo-distribution-cap/ftest/webdriver => nuxeo-distribution-cap-webdriver-tests - nuxeo-distribution-dm/ftest/cmis => nuxeo-distribution-cap-cmis-tests - nuxeo-distribution-dm/ftest/funkload => nuxeo-distribution-cap-funkload-tests - nuxeo-distribution-dm/ftest/selenium => nuxeo-distribution-cap-selenium-tests - nuxeo-distribution-dm/ftest/webdriver => nuxeo-distribution-cap-webdriver-tests - nuxeo-distribution-social-collaboration/ftest/selenium => nuxeo-social-collaboration-selenium-tests
NXP-15473	Remove build and test Maven profiles in nuxeo-distribution	New --skipITs option in release.py
NXP-14915	Upgrade Tomcat to latest version	Upgrade to Tomcat 7.0.56
NXP-15428	Allow defining aliases for layouts and widgets definitions	<p>Widgets and layouts configurations now accept aliases definitions, the returned definition has its original name (not the alias one).</p> <p>Examples:</p> <pre>{code} <widget name="myWidget" type="test"> <aliases> <alias>oldWidgetName</alias> <alias>veryOldWidgetName</alias> </aliases> </widget> [...]</pre> <pre><layout name="myLayout"> <aliases> <alias>oldLayoutName</alias> <alias>veryOldLayoutName</alias> </aliases> </layout> {code}</pre>
NXP-11842	Add an option to NuxeoCil for specifying an instance CLID	org.nuxeo.launcher.NuxeoLauncher.showConfig() now returns an org.nuxeo.launcher.info.InstanceInfo
NXP-15238	Move Tags, Preview and Suggestor from DM to CAP	<p>Moved from org.nuxeo.ecm.distribution:nuxeo-distribution-dm to org.nuxeo.ecm.distribution:nuxeo-distribution-cap:</p> <ul style="list-style-type: none"> - org.nuxeo.ecm.platform:nuxeo-platform-tag-api - org.nuxeo.ecm.platform:nuxeo-platform-tag-core - org.nuxeo.ecm.platform:nuxeo-platform-tag-web

- org.nuxeo.ecm.platform:nuxeo-platform-preview
- org.nuxeo.ecm.platform:nuxeo-platform-suggestbox-core
- org.nuxeo.ecm.platform:nuxeo-platform-suggestbox-jsf

New test artifacts:

- org.nuxeo.ecm.distribution:nuxeo-distribution-cap-webdriver-tests:test-jar
- org.nuxeo.ecm.distribution:nuxeo-distribution-dm-webdriver-tests:test-jar

NXP-15172	Browsing by coverage / subject > Remove double toggle icon	Just add the 'nx-no-trn-ico' styleClass on rich tree to hide node icons.
NXP-14930	NXP-14928 Integrate Unified cache with the Directory Service	<p>If cache has been used in LDAP or SQL Directory:</p> <ul style="list-style-type: none"> - Define two new core caches (one for entry with references, another for entry without references) contributed to org.nuxeo.ecm.core.cache.CacheServiceImpl - Define in these caches your implementation class, maxSize, ttl and concurrencyLevel - remove deprecated cacheMaxSize tag from the directory config file - remove deprecated cacheTimeOut tag from the directory config file - Add a new tag cacheEntryName with your cache name in the directory config file - Add a new cacheEntryWithoutReferencesName tag with your cache name in the directory config file
NXP-14914	Delete SQLDirectoryProxy and LDAPDirectoryProxy class	<p>Deleted org.nuxeo.ecm.directory.sql.SQLDirectoryProxy Deleted org.nuxeo.ecm.directory.ldap.LDAPDirectoryProxy</p> <p>Use SQLDirectory and LDAPDirectory instead</p>
NXP-14911	Remove deprecated methods and deprecate getEntries in directory session	<p>Removed deprecated org.nuxeo.ecm.directory.Session.commit() and org.nuxeo.ecm.directory.Session.rollback()</p> <p>Deprecate org.nuxeo.ecm.directory.Session.getEntries()</p>
NXP-13724	Restrict Directory read/write access	<p>If multi-tenant configuration was using different group than 'powerusers', then for each directories used by the tenant, it should specified the following configuration in directory section to allow write access on directory for the members of the group 'TheCustomPowerUserGroupOfTenant':</p> <pre><permissions> <permission name="Write"> <group>TheCustomPowerUserGroupOfTenant</group> </permission> </permissions></pre>
NXP-15252	Switch from net.sf.opencsv:opencsv to org.apache.commons:commons-csv	<p>Replaced net.sf.opencsv:opencsv:2.1 with org.apache.commons:commons-csv:1.0</p> <p>Changed protected methods:</p> <ul style="list-style-type: none"> - org.nuxeo.ecm.csv.CSVImporterWork.dolImport(au.com.bytecode.opencsv.CSVReader) + org.nuxeo.ecm.csv.CSVImporterWork.dolImport(org.apache.commons.csv.CSVParser) <ul style="list-style-type: none"> - org.nuxeo.ecm.csv.CSVImporterWork.importLine(String[], long, int, int, String[]) + org.nuxeo.ecm.csv.CSVImporterWork.importRecord(org.apache.commons.csv.CSVRecord, Map<String, Integer>) <ul style="list-style-type: none"> - org.nuxeo.ecm.csv.CSVImporterWork.computePropertiesMap(long, DocumentType, String[], String[]) + org.nuxeo.ecm.csv.CSVImporterWork.computePropertiesMap(org.apache.commons.csv.CSVRecord, DocumentType, Map<String, Integer>) <ul style="list-style-type: none"> - org.nuxeo.ecm.csv.CSVImporterWork.createOrUpdateDocument(long, String, String, String, Map<String, Serializable>) + org.nuxeo.ecm.csv.CSVImporterWork.createOrUpdateDocument(long, String, String, Map<String, Serializable>) <ul style="list-style-type: none"> - org.nuxeo.ecm.csv.CSVImporterWork.getUserUrl(String) + org.nuxeo.ecm.csv.CSVImporterWork.getUserUrl() <p>New Assert test methods:</p> <ul style="list-style-type: none"> - org.nuxeo.runtime.test.Assert.assertFilesContentEquals(String, String) - org.nuxeo.runtime.test.Assert.assertFilesContentEquals(String, String, String)
NXP-15083	Explicit fulltext score in NXQL	<p>New NXQL ecm:fulltextScore system property. It can be used in an ORDER BY clause, or in a SELECT clause when using queryAndFetch. It must be used in conjunction with a ecm:fulltext match in the WHERE clause.</p>
NXP-15078	NXQL query by ancestor id	<p>New NXQL ecm:ancestorId system property:</p> <pre>SELECT ... WHERE ... AND ecm:ancestorId = 'some-doc-id'</pre> <p>This matches all documents under the subtree whose root is 'some-doc-id'.</p>

NXP-14918 Redis-based LockManager

To activate the Redis-based LockManager for a given repository, use:

```
<extension target="org.nuxeo.ecm.core.storage.lock.LockManagerService" point="lockmanager">
  <lockmanager name="default" class="org.nuxeo.ecm.core.storage.redis.RedisLockManager" />
</extension>
```

This assumes of course that Redis has been configured, see [NXP-12375](#) for nuxeo.conf parameters, or simply use the following (which is independent of the WorkManager configuration to use Redis):

```
<extension target="org.nuxeo.ecm.core.redis.RedisService" point="configuration">
  <redis>
    <host>localhost</host>
  </redis>
</extension>
```

NXP-14916 Make LockManager pluggable

A new Lock Manager can be contributed using the following extension point:

```
<extension target="org.nuxeo.ecm.core.storage.lock.LockManagerService" point="lockmanager">
  <lockmanager name="default" class="some.class.implementing.LockManager" />
</extension>
```

A repository will use the Lock Manager of the same name.

NXP-15232 Fix condition to display the Unlock button

Manager on a specific workspace will now be able to unlock children documents.

NXP-15153 Fix error at shutdown on WorkManager in DAM tests

New method `org.nuxeo.ecm.core.work.api.WorkManager.isStarted()`

NXP-15103 Allow property update through deltas for better concurrency

A new scalar type, `DeltaLong`, is introduced, in order to specify that an update through a `Long` property should be done incrementally at the database level.

Standard usage is to add "count" to a property is:

```
long count = 1;
Number oldValue = (Number) doc.getPropertyValue("myprop");
Number newValue = DeltaLong.deltaOrLong(oldValue, count);
doc.setPropertyValue("myprop", newValue);
```

`DeltaLong.deltaOrLong(oldValue, count)` is used in preference over `new DeltaLong(oldValue, count)` because it can deal with the case where the old value is null or already a `DeltaLong`.

NXP-14950 New principal.getActingUser improving on getOriginatingUser

New API:

```
NuxeoPrincipal.getActingUser()
```

that never returns null, to use in preference to `getOriginatingUser()`.

NXP-14905 Expose position of document in OrderedFolder

New API: `DocumentModel.getPos()` returns the position of a document in its containing folder. May be null if the folder is not ordered.

NXP-14868 Cleanup CachingBinaryManager implementations and fix repositoryName init

New methods:

```
- org.nuxeo.ecm.core.storage.binary.AbstractBinaryManager.getDigest()
- org.nuxeo.ecm.core.storage.binary.CachingBinaryManager.initialize(BinaryManagerDescriptor)
- org.nuxeo.ecm.core.storage.binary.CachingBinaryManager.initializeCache(String, FileStorage)
```

Moved deprecated constants from `org.nuxeo.launcher.config.Environment` to `org.nuxeo.common.Environment`

NXP-14045 Simplified ACLs

Negative ACLs are now disallowed by default. They can be re-enabled in VCS by setting the system property `"nuxeo.security.allowNegativeACL=true"` (however note that this is incompatible with Elasticsearch indexing). For DBS they cannot be enabled as the storage model doesn't allow them.

New API added:

```
CoreSession.isNegativeAclAllowed()
```

This can be used to check whether the current session allows negative ACLs. Negative ACLs are ACLs that include an ACE with a deny (`isGranted=false`). This does not include the full-blocking ACE for Everyone/Everything, which is always allowed.

Convenience constructor added:

```
ACE(username, permission): constructs an ACE for a given username and permission.
```

Convenience constant added:

```
ACE.BLOCK: an ACE that blocks all permissions for everyone.
```

NXP-15179	Move up search document type definition in page provider descriptor	<p>Page provider descriptors using the syntax</p> <pre>{code} <whereClause docType="foo"> ... </whereClause> {code}</pre> <p>can now use the syntax</p> <pre>{code} <searchDocumentType>foo</searchDocumentType> <whereClause> ... </whereClause> {code}</pre>
NXP-15146	NXP-15011 Handle ajax submit of aggregates form on select	a new facetlet slot named "inside_input_widget" can be propagated to input components when defined under a nxl:layout tag (or similar)
NXP-15040	Split PageProviders and direct Query Automation Operations	default maxPageSize for page providers changes from 100 to 1000
NXP-14989	Column configuration by the user on the content view directly	added a "shuttle" widget type for column selection (and other similar widgets in local conf)
NXP-14975	Allow using named parameters in page providers	<p>The following method signature has been changed from:</p> <pre>NXQLQueryBuilder.getQuery(String, Object[], boolean, boolean, SortInfo...)</pre> <p>to:</p> <pre>NXQLQueryBuilder.getQuery(String, Object[], boolean, boolean, DocumentModel, SortInfo...)</pre>
NXP-14957	Allow specifying language to queryAndFetch page provider	CoreQueryAndFetchPageProvider property "language" can now be set to "NXTAG" for instance (defaults to "NXQL").
NXP-14947	Allow unrestricted queries on document page providers	Page provider property "useUnrestrictedSession" can now be used to query using an unrestricted session. Property "detachDocuments" is then set to "true" by default on the CoreQueryDocumentPageProvider.
NXP-15380	Allow to fetch user collections root document with Collection API	Added CollectionManager#getUserDefaultCollections
NXP-14979	Implement CMISQL on top of NXQL	<p>CMISQL to NXQL translation (and therefore no JOINS) is enabled by default.</p> <p>To re-enable the previous mode allowing JOINS and using VCS, set the following property in nuxeo.conf:</p> <pre>org.nuxeo.cmis.joins=true</pre>
NXP-14362	Runtime extensibility of NuxeoCmisService	<p>Configuring the service can be done with:</p> <pre><extension target="org.nuxeo.ecm.core.opencmis.bindings.NuxeoCmisServiceFactoryManager" point="factory"> <factory class="org.nuxeo.ecm.core.opencmis.bindings.NuxeoCmisServiceFactory"> <parameter name="servicewrapper.1">com.example.my.SimpleWrapper </parameter> <parameter name="servicewrapper.2">com.example.my.AdvancedWrapper,1,cmis:documents </parameter> <parameter name="servicewrapper.3">com.example.my.DebuggingWrapper,testRepositoryId </parameter> <parameter name="service.tempDirectory">/tmp</parameter> <parameter name="service.encryptTempFiles">>false</parameter> <parameter name="service.memoryThreshold">4194304</parameter> <parameter name="service.maxContentSize">4294967296</parameter> <parameter name="service.defaultTypesMaxItems">100</parameter> <parameter name="service.defaultTypesDepth">-1</parameter> <parameter name="service.defaultMaxItems">100</parameter> <parameter name="service.defaultDepth">2</parameter> </factory> </extension></pre>
NXP-12383	Expose nuxeo ecm:pos property in CMISQL	<p>A new read-only system property "nuxeo:pos" contains the position of an object in its containing folder. It's non-null only if the folder is ordered.</p> <p>This can be used in CMISQL as well.</p>
NXP-15166	Isolate spi and impl package in OSGi for Automation Client	All packages are included in OSGi context.

[NXP-15089](#) [NXP-14292](#) [Provide a migration system from Hibernate to ElasticSearch](#)

When `{{nuxeo-elasticsearch-audit}}` is deployed it will automatically replace the default JPA implementation.

However, if you have previous data inside JPA you have to migrate it.

The migration is done in a Worker that will simply go through all existing JPA Audit entries to store them inside the Elasticsearch index.

The migration is done using a configurable batch size (default is 1000 entries).

An Automation Operation is provided to trigger the migration Work.

Sample call using curl :

```
curl -H 'Content-Type:application/json+nxrequest' -X POST -d '{"params":{"batchSize":5000}}' -u Administrator:Administrator http://nuxeoserver:8080/nuxeo/api/v1/automation/Audit.StartMigration
```

NB : Migration of 16 Millions entries on a C3.XLarge AWS instance with default PGSQL setup and default embedded Elasticsearch takes about 2h30 (1800 entries/s).