Key	Summary	Upgrade notes	Component/s
NXP-13744	Missing class org.apache.xerces.parsers.SAXParser	xercesImpl-*.jar has been moved from nxserver/lib/ to lib/	WebDAV / WSS
NXP-14113	NXP-14007 Extract the fulltext fields for indexing	New API CoreSession.getBinaryFulltext() returning a mapping of binary index field to text.	Elasticsearch, Search / Query
NXP-13925	Fix duplicate documents due to aclr_user duplicate rows	IMPORTANT MIGRATION STEP Because the tables aclr_user and aclr_user_map may contain old duplicate rows now visible since NXP-13691, for databases that are upgraded the following must be executed: DROP TABLE aclr_user; DROP TABLE aclr_user_map;	Core SQL Storage, Search / Query
NXP-14115	Include REST API in CoreServer	The REST API is now part of the core server. The Marketplace package nuxeo-rest-api does not exist anymore.	Rest API
NXP-13616	Improve file download on nuxeo api	JsonDocumentWriter#writeDocument(JsonGenerator jg, DocumentModel doc, String[] schemas, Map<String, String> contextParameters, HttpHeaders headers) does not exist anymore it is replaced by : JsonDocumentWriter#writeDocument(JsonGenerator jg, DocumentModel doc, String[] schemas, Map<String, String> contextParameters, HttpHeaders headers, HttpServletRequest request) The generated JSON also changes and now includes a full URL to get the blob data : * Before : {code} "file:content": { "name": "Nuxeo_Platform_5.8_administration_documentation.pdf", "mime-type": "application/pdf", "encoding": null, "digest": "4faa1208dbd8dce54db9174dabdec7db", "length": "11485973", "data": "files/80438e3b-48bb-42d1-9e08-9a0f54b8f945?path=%2Fcontent" }, {code} * Now {code} "file:content": { "name": "Meetup Docker.pdf", "mime-type": "application/pdf", "encoding": null, "digest": "f829ff57c289b60be5dd2c57adcf1d51", "length": "5980167", "data": "http://localhost:8080/nuxeo/nxbigfile/default/e596bd67-aaa5-4a43-a84c-bcf4850c4834/file%3Acontent" }, {code}	Rest API
NXP-13937	Add a widget template for sub images	widget template has been added at /widgets/image_subwidget_template.xhtml	Layouts & Widgets

Key	Summary	Upgrade notes	Component/s
NXP-13826	Improve release scripts with commit message and unique build	Customized commit messages used for all commits. New command "onestep" to prepare + perform (push and deploy) in one step. New option "--dryrun": improved dry run mode (previously only used via the "test" command).	Infrastructure
NXP-13800	VCS: auto-generated integer ids on Oracle	To activate, use in nuxeo.conf: nuxeo.vcs.idtype=sequence Or if you want to use another sequence than the default (HIERARCHY_SEQ), use: nuxeo.vcs.idtype=sequence:YOUR_SEQUENCE_NAME	Core SQL Storage

NXP-11551	Allow merged contributions for the repository config	Configuration for repositories is now of the form:
		
		`<extension target="org.nuxeo.ecm.core.storage.sql.RepositoryService" point="repository">`
		`<repository name="default" factory="org.nuxeo.ecm.core.storage.sql.ra.PoolingRepositoryFactory">`
		`<schema> ... </schema>`
		`<indexing> ... </indexing>`
		`... (see http://doc.nuxeo.com/x/hwQz)`
		`</repository>`
		`</extension>`
		
		When several contributions are made to the same repository name, they are merged.
		
		The old syntax that contributed to two extension points, org.nuxeo.ecm.core.api.repository.RepositoryManager (repositories) and org.nuxeo.ecm.core.repository.RepositoryService (repository) is still supported for backward compatibility but will emit a WARN message.
		
		The two nested `<repository>` elements on the old extension point org.nuxeo.ecm.core.repository.RepositoryService can be merged, and the label="..." that was previously on the org.nuxeo.ecm.core.api.repository.RepositoryManager extension point can be added as an attribute to the new `<repository>` element.
			Core SQL Storage

NXP-10182	Optionally use SQL arrays to store lists on PostgreSQL	A given list field can be switched to database array storage using:
		
		`<schema>`
		`<field type="array">some:field</field>`
		`</schema>`
		
		To automatically enable database arrays for all list fields, use:
		
		`<schema>`
		`<arrayColumns>true</arrayColumns>`
		`</schema>`
			Core SQL Storage

NXP-14140	Make CoreSession thread-safe	It's now possible to use the same CoreSession over and over in different transactions, and pass it between threads. Some constraints remain: - it has to be closed properly, - it has to be used inside a transaction.	Core
NXP-14118	Make sure the junit tests are run with user 'system'	This impacts the junits runns. Now the principal 'Administrator' for the session injected in the tests as: @Inject protected CoreSession session; is an administrator: ((NuxeoPrincipal)session.getPrincipal()).isAdministrator() returns 'true';	Core
NXP-14049	Allow setting perDocumentQuery=false through type service	Instead of setting it through the repository reconfig, it's now possible (and recommended) to specify in the facet definition using the type service that a query on the facet (NXQL: ecm:mixinType = ...) will never need to match per-document facets. So instead of, in default-repository-config.xml, having:	Core, Core SQL Storage

Key	Summary	Upgrade notes	Component/s

		`<neverPerDocumentFacets>`
		`<facet>SomeFacet</facet>`
		`<facet>OtherFacet</facet>`
		`</neverPerDocumentFacets>`
		
		You should use in the extension point defining the facet:
		
		`<extension target="org.nuxeo.ecm.core.schema.TypeService" point="doctype">`
		`<facet name="SomeFacet" perDocumentQuery="false"/>`
		`<facet name="OtherFacet" perDocumentQuery="false">`
		`<schema name="someschema"/>`
		`</facet>`
		`</extension>`	

NXP-13649	Configure PathSegmentServiceDefault maxSize through property	New framework property: nuxeo.path.segment.maxsize	Core

NXP-13148	Clean up session management	To acquire a CoreSession (which should rarely be done in any case), you should now use the following pattern:
		
		`try (CoreSession session = CoreInstance.openCoreSession(repositoryName)) {`
		`// do something with session, including session.save()`
		`}`
		
		To do an explicit close if try-with-resource is not used as above, you should just call:
		
		`session.close();`
		
		CoreInstance has a few other openCoreSession signatures to acquire a session for a given user or a system session.
			Core

NXP-13842	Tooltips > Replace jquery tooltips by tipsy tooltips	From 5.9.3, Nuxeo does not embed jquery tooltip library anymore. It has been moved to nuxeo-resources-compat. Default tooltip library is tipsy. To enable a tooltip on any DOM element, specify the tooltip content in the 'title' attribute and add 'tipsyShow' css style class.	Content Views, Ergonomy & UX
NXP-13877	Admin Center > Update connect icons and listing colors	delete galaxy_admin_logo.png and 100px_loading.gif	Admin Center, Style & CSS