Nuxeo Platform 5.9.4 Release Notes

For Users

Favorites

Users are able to pin documents. These documents are then in their "Favorites" collection, which is automatically created. When a document is pinned, the icon changes so that the user knows it is pinned. Clicking on the new icon "unpins" the document.

Nuxeo Drive Auto-Update

The major enhancement to Nuxeo Drive for this new release is the automatic, silent update. This makes everything much smoother. The user will be notified when a new version is available and when it has been installed.

It is now also possible to filter out some folders from the Drive desktop interface.

MongoDB Support

Florent has been working for a while on MondoDB Support. But since we're talking about Nuxeo, it's not just MongoDB support. With FT 5.9.4, you actually get DBS, a Document-Based Storage abstraction. The first implementation will be MongoDB.

Document-Based Storage

DBS comes with the following features:

- DBSRepository CRUD with query abstraction
- Infrastructure for transactional state before commit (transient/saved)
- Implementation of Session API and delegate to DBSRepository after checking transient state
- Proxies: generic implementation using a *ecm:proxyIds* field in the docs and a copy mechanism
- ACLs: compute and store merged read ACLs
- Paths: store ancestors in an *ecm:ancestorIds* field
- XA binding and handling for transaction sharing of state

MongoDB

For our first DBS implementation we've chosen MongoDB. The first things we worked on were:

- CRUD
- Key/value query
- Implement NXQL query

Content Automation

Parameterised Automation Chains and Other Productivity

Improvements on Automation

New Operations for Collections Management

We have added new operations dedicated to collections management. You can now use AddToCollection, RemoveFromCollection, CreateACollection and GetAllDocumentsFromCollection. Their name speak for themselves.

Implement a YAML Converter for Automation Chains

YAML representation of chains is now visible in the platform. Here is an example for the validateDocument chain:

```
http://localhost:8080/nuxeo/site/automation/doc?id=validate

- Context.FetchDocument
- Document.SetLifeCycle:
    value: approve
- Document.CheckIn:
    version: minor
    comment: Automatic checkin after validation
```

CMIS

CMIS Rendition

Renditions from the RenditionService are now exposed as CMIS renditions of kind "nuxeo:rendition", with a name that's based on Rendition name. For example "nuxeo:rendition:pdf" for the "pdf" rendition.

A <renditionDefinition> must now define a <contentType> element if it wants to be exposed to CMIS.

CMIS Content Streams

Nuxeo CMIS content streams support HTTP cache and last modified headers.

Mail Folder

If used extensively, the Mailbox Folder could present some performance issues. We have added some new system properties to help fine tune the IMAP configuration.

- Force IMAP lib to do a Copy of the message (default to false): org.nuxeo.mail.imap.copy = false
- Debug info (default to false): org.nuxeo.mail.imap.debug = false

We have also added locking at 2 levels:

- Inside the scheduled listener: avoids re-entrency
- Inside the MailCoreHelper: avoids 2 threads to fetch the same mailbox

Move Packages Directory Out of the Data Directory

The Marketplace packages used to be stored in the Nuxeo data directory. This is not really their place so now instead of being stored in "nxserver/data/packages/", they'll be stored in "packages/". You can also change this location using the new property "nuxeo.mp.dir".