

For Users

PDF Viewer

A PDF viewer has been integrated, based on the pdf.js lib. It provides the ability to zoom, rotate, and access a specific page, as well as support the streaming of the PDF when the file is large, starting the display of the first pages as soon as they are downloaded. The preview chain for office documents now goes through PDF formatting in order to use this viewer for viewing any Office file. This PDF viewer is made available via a simple URL that accepts the URL of the file to preview as a parameter.

File Dispatching

An abstract base class of BLOB Manager is made available for implementing a storage policy and decide that some BLOBs are stored on S3 or locally, or on different on premise storage systems. The policy can take into account:

- The metadata of the document (example: if a "confidential" flag is set to true, then store the BLOB on premise, otherwise store on S3)
- The lifecycle state of the document
- The characteristics of the binary (example: store video files on S3, and store other files on premise)

This allows you to implement the right storage policy for your business rules, including setting hierarchical file system (HFS) policies.

Media Content Publishing

A new plugin has been added that allows for publishing content on the cloud. This plugin can provide multiple target implementations. Currently, implementations for YouTube and Wistia are provided. User can publish a video either to the YouTube or Wistia site, get a link to the published asset and also get the HTML snippet for embedding it. User can also view from Nuxeo Platform the statistics of the videos, such as the number of views. This is great for using Nuxeo Platform as a DAM repository and then easily push your content online. One could also add implementations for other online publishing sites, such as Slideshare, Vimeo, and many more. Please do not hesitate to contribute!

Cloud Services management screen in Home and Admin Center

Users are able to manage their oAuth tokens via the Cloud Services section from where they can

connect to different Cloud Services, such as Dropbox, GooglePlus and Google Drive. It is also possible to share a token with other groups of users. This can be useful, for example, with Media Content Publishing, if you want to share a YouTube or Wistia account with multiple users in your department.

Web Authentication for Drive

A web window is now used the first time a user authenticates with Nuxeo Drive against a Nuxeo Platform server. This allows to use the same authentication protocols than the one configured on the Nuxeo Platform Web UI, such as an SSO system, SAML, Shibboleth, etc..

Logging of File Download

All file downloads now take place in the same component that tracks the downloads and logs them in the audit trail. This is the beginning of a series of improvements we have planned pertaining to downloads.

Saved Search

Saved searches sort criteria is now saved. In next release, it will also be possible to edit it.

Full path is visible on the the root selector of publishing tab.

On the publishing tab, users can set publishing target preferences. Previously, only the name of the selected folder was displayed. The path is now also displayed, to ensure the target folder is the correct one as intended by the user, and not a different folder elsewhere that has the same folder name.

Allows you to set lifecycle state when using csv import.

In the CSV importer, it is now possible to define the lifecycle state the imported document should have.

Video Player can be used with any property.

You can use the native video player with any binary property your configured with Nuxeo Studio on your content type.

Automation

Class Filter on Automation Scripting

It is no longer possible to perform Java imports from an Automation Script, as a class filter has been added to the Nashorn VM. This has been done for security and maintenance reasons.

Platform functions available in Automation Scripts

You can use Platform Functions under the Fn object like in Automation chains in Automation script, as it has been added to Nashorn context.

Helpers Automation

An extension point has been implemented to configure new function helpers to the automation module:

```
<extension target="org.nuxeo.ecm.core.operation.OperationServiceComponent"
point="contextHelpers"> <contextHelper id="Fn"
class="org.nuxeo.ecm.automation.features.PlatformFunctions"/> </extension>
```

HTTP Helper

A new helper for HTTP calls as been added. It can be used to perform external services API calls right from an automation script. See [examples](#) for our documentation.

Elasticsearch

Elasticsearch API passthrough

A proxy api has been implemented on the Nuxeo Platform so you can use native Elasticsearch GET queries as documented on the [Elasticsearch documentation](#) website. The proxy will ensure that only those documents each end user has the right to view are returned in search query results. Thanks to this feature, Elasticsearch-skilled developers can add the Nuxeo Platform in their architecture and benefit from a secure and modular content store with an extensible content management user interface, while still implementing their front office with JavaScript ES sdk.

Elasticsearch Hints

Elasticsearch hints have been added to NXQL and to the page provider object. It allows you to use native Elasticsearch operators in your query when using an Elasticsearch page provider.

This will help you build content applications with fuzzy search support, phrase search, using specific tokenizers (arabic, chinese, phonemes), as well as run geographical queries against the repository, such as searching for all photos that were taken within a scope of 5 miles around the Brooklyn bridge. It also allows you to hit specific index fields. Nuxeo Studio Content View feature has been updated to support the declaration of Elasticsearch hints (operator, analyzer and field).

API Evolutions

File Support on workflow API

You can now upload a file for completing a task using Workflow REST API

Reassign and Delegate task endpoint

Workflow Rest API provides ways to reassign or delegate a given task.

Get Rendition operation

This new operation allows you to fetch a given rendition on a document in input.

Conversion

A web adapter has been added on Rest API: `/@blob/file:content/@convert?format=pdf` for getting a conversion of a binary property, given a converter or a target mime type (as parameters).

Workmanager find method

A Java method has been added on workmanager service for performing an optimized search of a given job.

JSON export of layout and widgets

This new API end point allows you to get the layout and widgets instances serialization in JSON for helping you build specific front office UIs, while leveraging the forms and data display you have declared in Nuxeo Studio.

UI

Pluggable file widget

View mode of file widget is pluggable: you can contribute actions to display new links besides the file download link.

JavaScript list widget

A second implementation of the generic List widget is provided in Javascript that fixes many bugs encountered on the initial implementation. This is the one used by default on Fast Track and it has been back ported as an option in 6.0.

REST endpoint for CSS and JS resources

A new endpoint is available for serving CSS and REST resources on a web pages of Nuxeo Platform Web UI. This is a first step of the refactoring that will lead to the removal of the use of the legacy Theme framework.

oAuth Service Providers extension point

It is possible to plug new oAuth Service providers with custom logic on parts where the protocol is not precise enough.

Web Components and Polymer

We have started to add Polymer dependencies to the build. You will notice a new tab for managing rights on a document now appears, but it is disabled by default, as this is still a work in progress using Polymer.

Removal / Deprecation

- Open social and dependencies have been removed from build.
- CMF and dependencies have been removed from the build.
- Faceted Search is deprecated.
- Placeful service was removed.

Changing Tomcat Admin Host

A new parameter in `nuxeo.conf` allows you to customize the address for which the server waits for a shutdown command.

```
nuxeo.server.tomcat_admin.host
```

VCS Full Text Search Enablement and Configuration

Most of the production set up will now rely on Elasticsearch for full-text search. In that case you can disable the VCS full-text index computation by setting the following flag set to true:

```
nuxeo.vcs.fulltext.search.disabled
```

Alternatively, if you do want to use it, it is now easy to configure the analyzer language thanks to the following property:

```
nuxeo.vcs.fulltext.analyzer.language
```

Elasticsearch Server Version Recommended is Now Elasticsearch 1.5.2

Reindexing Optimization and Reindexing on Startup

Recursive indexing has been made much quicker thanks to a change in the algorithm. We now propose a flag for automatizing it on startup when the index is empty:

```
elasticsearch.reindex.onStartup=true
```

Audit is Stored in Elasticsearch

The default backend for the audit is now Elasticsearch. This improves scalability when using Nuxeo Drive for a large set of users. It also allows you to store more information on each audit entries, such as the complete serialisation of the document. This new capability will be leveraged in upcoming versions of Nuxeo Platform.