



How Nuxeo helps customers to implement their own business logic

Hyperscale Content Management Platform in a nutshell

Introduction

Nuxeo is a software vendor providing a hyperscale digital asset platform. Their platform helps customers to make a fundamental shift to a new digital asset strategy that turns data into highly usable digital assets. Organizations can expand their content strategy beyond today's limited and departmental use of digital assets to create new revenue streams, increase productivity, and drive their competitive advantage.

The Challenge

Their goal was to find a solution that would allow bulk-editing document metadata and at the same time could provide a great user experience. Although it was the first time they offered this kind of tool to their users, the spreadsheet pattern seemed to be a good choice. Before the big search for the perfect grid, Alain Escaffre and the Nuxeo Team had thought of certain custom developments.

The screenshot shows the Nuxeo Search Results interface. On the left is a sidebar with search filters, and on the right is a table of search results.

SEARCH FILTERS

- Full Text: Search something ...
- Asset type:
 - Picture (21016)
 - Video (528)
 - Audio (30)
- Asset format:
 - image/png (12534)
 - image/jpeg (7446)
 - application/zip (319)
 - video/mp4 (288)
 - image/gif (270)
 - video/quicktime (193)
 - application/postscript (160)
 - image/tiff (65)
 - image/fts (43)
 - audio/x-m4a (26)
- Asset Width:
 - Less than 500px (549)
 - Between 500px and 1500px (804)
 - Between 1500px and 2000px (393)
 - More than 2000px (616)
- Asset Height:
 - Less than 500px (994)
 - Between 500px and 1500px (684)
 - Between 1500px and 2000px (101)
 - More than 2000px (583)
- Color Profile:
 - sRGB (2341)
 - CMYK (14)
 - Gray (7)
- Color Depth:
 - 8 (2289)
 - 16 (72)
 - 1 (1)
- Video Duration

Search Results

| <input type="checkbox"/> | Title ↑ | Modification Date ↑ | Last Contributor ↑ | ⚙️ |
|--------------------------|-----------------------------|---------------------|--------------------|----|
| <input type="checkbox"/> | salon des miroirs60.jpg | October 7, 2015 | System | |
| <input type="checkbox"/> | salon des miroirs135.jpg | October 7, 2015 | System | |
| <input type="checkbox"/> | salon des miroirs152.jpg | October 7, 2015 | System | |
| <input type="checkbox"/> | salon des miroirs44.jpg | October 7, 2015 | System | |
| <input type="checkbox"/> | NOIM-755011-015_CoupeFF.tif | November 2, 2009 | Rhullier | |
| <input type="checkbox"/> | NOIM-755011-016_CoupeGG | November 2, 2009 | Rhullier | |
| <input type="checkbox"/> | salon des miroirs27.jpg | October 7, 2015 | System | |
| <input type="checkbox"/> | Image 1 | October 7, 2015 | Basset | |
| <input type="checkbox"/> | salon des miroirs95.jpg | October 7, 2015 | System | |
| <input type="checkbox"/> | salon des miroirs15.jpg | October 7, 2015 | System | |
| <input type="checkbox"/> | benjamin jalon-nxw11-4.jpg | October 7, 2015 | System | |
| <input type="checkbox"/> | salon des miroirs90.jpg | October 7, 2015 | System | |
| <input type="checkbox"/> | salon des miroirs130.jpg | October 7, 2015 | System | |
| <input type="checkbox"/> | salon des miroirs100.jpg | October 7, 2015 | System | |
| <input type="checkbox"/> | salon des miroirs113.jpg | October 7, 2015 | System | |
| <input type="checkbox"/> | salon des miroirs7.jpg | October 7, 2015 | System | |
| <input type="checkbox"/> | salon des miroirs46.ioa | October 7, 2015 | System | |

The Solution

One of the particularities of the Nuxeo Platform is that the content model is highly customizable, hence metadata edition can be made with very different widget editors such as drop downs, multiple drop downs, suggestors, calendars and others. Handsontable was so easy to implement they could incorporate the server's pre-configured data model in the grid without any problems.

“Handsontable had the greatest documentation, an impressive feature set and very nice state of art packaging.”

| Spreadsheet Editor | | | | | | |
|--|-------------------------|------------------|---------|---------|----------|--------|
| Title | Modified | Last Contributor | Version | State | Subjects | Source |
| salon des miroirs118.jpg | 2015-10-07T12:04:46.59Z | system | 0.0 | project | | |
| Exemple présentation réunion lancement projet FR | 2010-01-05T10:40:41.89Z | sguitter | 1.0+ | project | | |
| RC | 2010-01-06T14:40:10.02Z | agasse | 1.0+ | project | | |
| Acte d_engagement_dc8 | 2010-01-06T14:40:14.60Z | agasse | 1.0+ | project | | |
| acte d'engagement | 2010-01-06T18:15:51.42Z | agasse | 1.0+ | project | | |
| ANNEXE FINANCIERE | 2010-01-06T18:15:51.86Z | agasse | 1.0+ | project | | |
| SI Documentaire 2009-09-07 | 2010-01-06T18:16:04.24Z | agasse | 1.0+ | project | | |
| Cahier des charges Pleiade | 2010-03-15T13:12:53.58Z | sguitter | 1.0+ | project | | |
| PV livraison Pleiade 2.0.1 | 2010-03-16T09:20:00.28Z | sguitter | 1.0+ | project | | |
| PV intervention AR 12/03/2010 | 2010-03-16T09:21:28.03Z | sguitter | 1.0+ | project | | |
| salon des miroirs60.jpg | 2015-10-07T12:04:50.44Z | system | 0.0 | project | | |
| Galaxy Program for Providers | 2009-10-14T18:37:41.10Z | system | 1.5+ | project | | |
| ARCHIVED - Corporate | 2013-11-20T10:29:51.44Z | sguitter | | project | | |
| annotationsReal | 2009-10-14T18:39:52.31Z | system | 1.0+ | project | | |

Event
Breakfast 2013-06
Breakfast 2014-01
Meetup
Nuxeo World 2011
Nuxeo World 2012
Nuxeo World 2013
Sprint February 2011
Sprint Nuxeo World 2011

Results and Plans for Future

Thanks to that, users can install the Nuxeo Platform Spreadsheet add-on easily and bulk-edit content just by dragging values, which is very natural for them. What is more, by controlling the cell editor it is possible to enforce all the business logic that is needed, which means having the comfort of the Excel-like experience with some strong business constraints. The next step will be integrating Handsontable with the brand new Nuxeo UI based on a Web Component framework: Polymer.



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