

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 a search interface for the Nuxeo Content Management Platform. On the left, there is a sidebar with various filters:

- Full Text**: A search bar labeled "Search something ...".
- Asset type**: Picture (21016), Video (528), Audio (30).
- Asset formats**: 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/fits (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 (563).
- Color Profile**: sRGB (2341), CMYK (14), Gray (7).
- Color Depth**: 8 (2289), 16 (72), 1 (1).
- Video Duration**

The main area is titled "Search Results" and contains a grid of 18 items, each with a checkbox, a thumbnail, a title, a modification date, and a last contributor. The items are:

	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_CoupeFFtif	November 2, 2009	Rthullier
<input type="checkbox"/>	NOIM-755011-016_CoupeGG'	November 2, 2009	Rthullier
<input type="checkbox"/>	salon des miroirs27.jpg	October 7, 2015	System
<input type="checkbox"/>	Image 1	October 7, 2015	Bassem
<input type="checkbox"/>	salon des miroirs65.jpg	October 7, 2015	System
<input type="checkbox"/>	salon des miroirs15.jpg	October 7, 2015	System
<input type="checkbox"/>	benjamin jalou-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.jpg	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	sgmitter	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	sgmitter	1.0+	project			
PV livraison Pleiade 2.0.1	2010-03-16T09:20:00.28Z	sgmitter	1.0+	project			
PV intervention AR 12/03/2010	2010-03-16T09:21:28.03Z	sgmitter	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	sgmitter		project			
annotationsReal	2009-10-14T18:39:52.31Z	system	1.0+	project			

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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