



# 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 of 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/ftis (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 Table:**

<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	Basseh
<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.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 editing can be done 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 into 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	sguiter	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	sguiter	1.0+	project		
PV livraison Pleiade 2.0.1	2010-03-16T09:20:00.28Z	sguiter	1.0+	project		
PV intervention AR 12/03/2010	2010-03-16T09:21:28.03Z	sguiter	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	sguiter		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 Handsontable, 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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