

# Webinar Content Editor 4: New Pickers and

## much more

#### **Speakers**

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#### In this webinar

- UX & functional overview
- Focus on technical capabilities:
  - $\circ \quad \text{JSON overrides} \quad$
  - Custom pickers
  - Using Content Editor from custom applications

## **Functional**



#### **Content Editor?**

- Interface to create and edit content
  - Corresponds to the Jahia 7.x "Edit engine"
  - Extensible and customizable
- It can be opened from:
  - Page Composer: the interface to contribute pages
  - jContent: the interface to manage pages, contents and media
  - ... and other places!
- Dedicated module
  - Versions 3.x is currently included in Jahia 8 releases
  - Versions 4.x are available on store.jahia.com



### CE 4.0: New modal!

- Modal / Full screen mode
- Multilingual contribution
- Create content items, one after another
- Collapsible sections

Page Composer	Rall-Organic Foods Network Gains New Sponsorship		PUBLISH SELECTION
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	Recently, if attracted the attention of a new sponsor - the Greater Parents' Council of Happytown. When asked why they are interested in supporting the all-Organic Foods Network, a spokesperson for Council said they wart every child to have quality food in their bellies. This has been shown to be a fi school and leads to greater success in life.	the Greater Parents' actor in doing well at	



### CE 4.1: New pickers!

- jContent look and feel
- Support for multiple properties
- Plenty of override and configuration capabilities

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#### **Content picker**

#### Flat list

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- Technical contents (page structure) do not appear
- Unselectable contents are hidden

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MOBLE VIEW				

#### **Structured view**

- Technical contents are displayed
- Unselectable contents are disabled

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	> 🖹 relatedPeople	Content List	May 4, 2016 1:37 AM	1
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	> 🔝 relatedPeople	Content List	May 4, 2016 1:35 AM	1
	How Businesses Can Be Successful	Event	Mar 1, 2016 4:51 PM	1

#### Media picker

	landing			
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	default_banner_img.jpg		27.92 KB	files/images/slides
	buildings-wood-angle.jpg		156.22 KB	files/images/slides
	green-landscape.jpg		164.95 KB	files/images/slides
	holding-hands.jpg		194.05 KB	files/images/news
				CANCEL
MOBILE VIEW				

Media picker - multiple selection

- Weight
- Resolution
- Publication status
- Drag and drop uploads

#### Available actions:

Rename
Replace with
Image editor
Download
Open in a new tab

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#### Page picker

Select a page		
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Name 👃	Last modified on $\downarrow$	
✓ ∎ Home	May 4, 2016 12:08 AM	E
✓ 📱 About	Jan 6, 2016 6:47 PM	1
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Leadership	Jan 6, 2016 6:48 PM	1
Corporate Responsibility	Jan 27, 2016 1:14 AM	1
Our Companies	Jan 6, 2016 7:19 PM	1
✓ 📱 Newsroom	Jan 13, 2016 6:10 PM	1
News Entry	Jan 15, 2016 6:28 PM	1
All News	Jan 15, 2016 6:29 PM	:
✓ 📓 Investors	Jan 22, 2016 2:13 AM	1
Press Releases Entry	Jan 21, 2016 11:29 PM	1
Events	Jan 15, 2016 6:33 PM	1
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Non-selectable items are not listed in this view		CANCEL
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#### Reminder on "jmix:mainResource"

- In Jahia, some content can be displayed as full pages, using content templates
- These content items are not "jnt:page"
- To identify these content items on the platform, use the mixin "jmix:mainResource" in their content type definition

#### jmix:mainResource is used by:

- The latest **sitemap** module
- The latest vanity URLs module (site-settings-seo), to display vanity URLs options
- jExperience, to display the interests field and page analytics
- Augmented Search to provide page based search (indexedMainResourceTypes)
- The editorial link picker

# New editorial link picker

- Browse pages & content folders
- Select pages and jmix:mainResource contents
  - such contents can be created inside pages
  - areas do not appear in this picker

Select pages and contents displayable in full page			
Pages      Content Folders			🗘 Ketresh
Name 4	Type $\downarrow$	Last modified on $\downarrow$	
✓ ■ Home	Page	May 4, 2016 12:08 AM	1
<ul> <li>About</li> </ul>	Page	Jan 6, 2016 6:47 PM	1
> 🗈 History	Page	Jan 6, 2016 7:58 PM	I.
> 🗎 Leadership	Page	Jan 6, 2016 6:48 PM	1
Corporate Responsibility	Page	Jan 27, 2016 1:14 AM	1
> Dur Companies	Page	Jan 6, 2016 7:19 PM	1
✓ ■ Newsroom	Page	Jan 13, 2016 6:10 PM	I
✓ ■ News Entry	Page	Jan 15, 2016 6:28 PM	1
🗢 all-Organic Foods Network Gains New Sponsorship	News ent	ry May 4, 2016 12:56 AM	1
all-Movies Adds To Holiday Movies	News ent	ry May 4, 2016 12:53 AM	I
Movies Can Determine Your Success	News ent	ry May 4, 2016 12:56 AM	1
All News	Page	Jan 15, 2016 6:29 PM	1
✓ ■ Investors	Page	Jan 22, 2016 2:13 AM	1
Droce Dalascos Entre	Daga	Inn 21, 2016 11-20 DM	
Non-selectable items are not listed in this view			CANCEL



## **Available pickers**

- Default (\*new)
- Editorial
- Droppable content
- File
- Image
- Video (\*new)
- PDF (\*new)
- Page

- Editorial link
- Media folder
- Content folder
- Category
- . User
- User group
- **.** Site



## CE 4.2: Reordering!

- Reorder the values of multiple properties
- Ul improvements
  - Better indentation of sections and fields
  - Checkboxes for boolean properties

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Reorder multiple weak references

#### • New Usage screen

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VERSIONING				
VISIBILITY				
WORKFLOW				
CHANNELS				



## Multiple string selectors

#### 2 selector types are available:

- Default Compact & easy
- Multiple left right Supports ordering, better when many selected values, in 4.2

#### To use "Multiple left right"

- definitions.cnd
  - countries (string, choicelist[country]) multiple
- json override



#### "Multiple left right"



### Copy to other languages 2.0

- Copy the value of a property in the selected languages
- Supported module





# Summary of feature availability by version

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Feature name	Version	Jahia version needed
Modal	4.0	8.1.0
Create another	4.0	8.1.0
Switch language without saving	4.0	8.1.0
New pickers	4.1	8.1.1
Reorder multiple properties	4.2	8.1.1
Copy to other languages	Dedicated module	8.1.0

# **Technical**



## **Customizing Content Editor**

#### Content Editor offers lots of customization capabilities:

- Change the order of sections, fieldsets and properties in the form
- Hide fieldset and properties
- Add "front-end" constraints
  - Enforced at UI level, but not in the backend
  - E.g. making properties read only or mandatory
- Add default values
- Override labels
- Customize the pickers to your needs
- ...

#### Already covered during the January webinar:

- Define new property selectors
- Add custom actions

#### **Content Editor JSON Overrides**



#### **Content Editor Form overrides**



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## **JSON** overrides

- Main mechanism for customization
- JSON files to be created in modules, under
  - META-INF\jahia-content-editor-forms\forms
    - To override sections
    - Reorder, specify required permission, collapse/expand section, hide the preview when in full screen mode
  - META-INF\jahia-content-editor-forms\fieldsets
    - To override fieldsets
- JSON overrides are currently global to the platform
  - $\rightarrow$  Upcoming change to enable them on a per-site basis

World map	ADVANCED MODE
✓ CONTENT	Section
Title	
Title	mix:title fieldset
World map	
System name Required	
32 characters maximum. Used to build the URL for pages if no	o vanity URL is set in advanced options.
word-map	
Image (from the Document Manager) Image	jnt:imageReferenceLink fieldset
world-map.png image/png - 229x354px	
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> METADATA	Section
> LAYOUT	Section
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#### **Section override**

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METADATA	

```
"nodeType": "jnt:imageReferenceLink",
"priority": 2.0,
"hasPreview": false,
"sections": [
    "name": "metadata",
    "expanded": true
  ł,
    "name": "content",
    "expanded": true
  },
    "name": "layout",
    "requiredPermission": "customPermission"
    "name": "classification",
    "requiredPermission": "customPermission"
  },
   "name": "options",
    "requiredPermission": "customPermission"
  },
    "name": "seo",
    "requiredPermission": "customPermission"
```

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#### **Fieldset override**

CONTENT						
Event						
Start date	Shared by all lang	uages				
//						
End date	Shared by all langua	ages				
location						
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```
"name": "jnt:event",
  "priority": 2.0,
  "fields": [
      "name": "location",
      "defaultValues": [
          "type": "STRING",
          "value": "Online Webinar"
      ],
      "readOnly": true,
      "target": {
        "rank": 1
      "name": "startDate",
      "displayName": "Start time",
      "target": {
       "rank": 2
     "name": "body",
      "displayName": "Webinar description",
      "description": "Don't forget to include the webinar agenda in the
description",
      "target":
        "rank": 3
    },
      "name": "eventsType",
      "removed": true
    },
      "name": "endDate",
      "removed": true
```

#### Custom content pickers



## **Customizing the pickers**

Pickers can be customized in two ways:

- By overriding the picker declared on a given property (in CND)
  - done in a JSON override
- Through a new picker configuration declaration
  - and use them in the definition or in JSON overrides

	CND definitions	JSON override	Custom configuration
Select the picker to use	х	х	х
Restrict selectable types	х	х	х
Restrict per file mimetype			х
Display/hide the site switcher		х	х
Edit the dialog title		x	х
Display/hide the search field		x	х
Hide the left navigation tree		х	х
Update an accordion label		x	х
Specify the root node for an accordion		х	х
Define which accordions to use			х
Add custom columns			x

## JSON override

- The "news" component has an image property
- The default image picker opens on the /files folder
- The illustrations for the news are always located in the /files/images/news folder
- Users shall not be able to select another site when selecting an image



### JSON override

```
"name": "jnt:news",
"fields": [
    "name": "image",
    "selectorType": "Picker",
    "selectorOptionsMap": {
      "type":"image",
      "accordionItem": {
        "picker-media": {
          "label": "News illustrations",
          "rootPath": "/sites/{site}/files/images/news"
      },
      "pickerConfig": {
        "pickerDialog": {
          "displaySiteSwitcher": false,
          "dialogTitle": "Select an illustration..."
```





#### New picker

• Component with a reference to an "Event"

- event (weakreference, picker[type='editorial']) < 'jnt:event'</pre>

- Use of editorial picker
  - $\rightarrow$  Only jnt:event content items can be selected
  - $\rightarrow$  Table display generic information
    - Name, content type, last modification date

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D About     D Comorate Responsibi	Name 🖟	Type $\downarrow$	Last modified on 🌡
D Our Companies	🔞 CEOs of The Digital Roundtable	Event	May 4, 2016 1:37 AM
> D Newsroom	2015 Annual Media Woot Awards	Event	May 4, 2016 1:36 AM
<ul> <li>D Investors</li> <li>D Press Releases En</li> </ul>	2016 Annual Media Woot Awards	Event	May 4, 2016 1:34 AM
D Events D Contacts	How Businesses Can Be Successful	Event	Mar 1, 2016 4:51 PM
D Search Results			
1			
,			
,		Rows per page 25 -	<b>≠ 1-4af4</b> i€ € > >i

### New picker

- With a custom "Event" picker:
  - → Display custom columns with event related information
  - $\rightarrow$  Update some labels
- The picker can be integrated using
  - $\circ \quad \text{ a CND file definition} \quad$

- event (weakreference, picker[type='eventPicker']) < 'jnt:event'</pre>

 $\circ \quad \text{a JSON override} \quad$ 

Digitall Y «	Select an event			
Pages		_		
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> D About	Name	Event type	Start date	End date
D Corporate Responsibi				
D Our Companies	How Businesses Can Be Successful	Conference	3/9/2023	3/10/2023
D Newsroom     D Investors	CEOs of The Digital Roundtable	Meeting	2/9/2023	2/9/2023
D Press Releases En	2015 Annual Media Woot Awards	Show	10/10/2015	10/10/2016
D Events	1 2016 Annual Media Woot Awards	Show	10/8/2016	10/10/2016
D Contacts				
D Search Results				
Demo Roles and Users				
		Rows per page 25 ∽	1-4 of 4 I< <	> >1
	Non-selectable items are not listed in this view		CAN	SELECT



#### **Picker declaration registration**

Must be registered in the Jahia "App-Shell", the common app of all of Jahia's React UIs

In src/main/resources/javascript/apps/jahia.json:

```
{
    "jahia": {
        "apps": {
            "jahia": "javascript/apps/event-module-register.js"
        }
    }
}
```

It will be added in the component registry to make it available to the Content Editor UI



#### **Picker declaration registration**

In src/main/resources/javascript/apps/event-module-register.js:

```
window.jahia.uiExtender.registry.add('callback',
                                                                                                         Select an event
                                                                                     Pages
'customEventPickerRegistration', {
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    targets: ['jahiaApp-init:33'],
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    callback: () => {
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         const registry =
                                                                                      > D Newsroom
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window.jahia.uiExtender.registry;

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'eventPicker', {
                                                                                       D Search Results
               pickerInput: {
                                                                                       D Demo Roles and Users
                     emptyLabel: 'No event selected',
                     notFoundLabel: 'Event not found',
               },
               pickerDialog: {
                    view: 'List',
                    dialogTitle: 'Select an event'.
                    displayTree: true,
                    displaySiteSwitcher: true,
                     displaySearch: true
                                                                                                                                                        Rows per page 25 × 1-4 of 4
               },
               searchContentType: 'jnt:event',
                                                                                                                                                                              CANCEL
               selectableTypesTable: ['jnt:event'],
               accordions: ['picker-pages'],
```

#### **Picker declaration registration**

In src/main/resources/javascript/apps/event-module-register.js:

33

```
Select an even
                                            accordionItem: {
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                                                                            tableConfig: {
                                                                                            fragments: [{
                                                                                                            gql: jahia.graphqlTag('fragment MyProp on JCRNode { eventsType: provide the second secon
value:choicelistValue(renderer:"resourceBundle", language: $language) }, startDate: property
endDate: property(name: "endDate") { value }}'),
                                                                                                            applyFor: 'node'
                                                                                            }],
                                                                                            columns: ["publicationStatus", "name",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Rows per page 25 ~ 1-4 of 4
                                                                                                                            id: 'event-type',
                                                                                                                            accessor: row => row.eventsType && row.eventsType.value,
                                                                                                                            label: 'Event type',
                                                                                                                            sortable: true,
                                                                                                                            property: 'eventsType.value'
                                                                                                             },
                                                                                                                            id: 'start-date'.
                                                                                                                            accessor: row => row.startDate && new Date(row.startDate.value).toLocaleDateString(),
                                                                                                                            label: 'Start date',
                                                                                                                            width: '150px',
                                                                                                                            sortable: true,
                                                                                                                            property: 'startDate.value'
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#### Internationalization



#### Internationalization

Two resource bundles sources:

- 1. JSON Javascript : src/main/javascript/locales/\*.json
- 2. Server Properties : src/main/resources/resources/\*.properties

Server **properties** -> used to translate :

- content definitions (translation not overridable in JSON overrides)
- section labelKeys

**JSON** Javascript -> used to translate:

- picker configurations
- all other React UIs



Using Content Editor from custom applications



# Using Content Editor from your custom UI

- It is possible to use Content Editor from your own applications (SPA or UI extensions)
- Recommended way is to use the javascript API, in edit or create depending on your needs

#### Example:



# Using pickers from your custom UI

#### Example:

```
window.CE_API.openPicker({
   type: 'image',
   value: null,
   setValue: pickerResults => {
      console.log(pickerResults);
      pickerResults.forEach(pickerResult => {
            // Process the results as you need to
      });
   },
   ...pickerConfig
});
```

#### Documentation to come



#### Resources

Documentation

- <u>Examples of content definition JSON overrides</u> (including multiple selector)
- <u>Content Editor 4.1</u>
- <u>Customizing Content Editor pickers</u>
- <u>Using Content Editor from a custom UI</u>

Blog post covering an advanced use case:

https://www.jahia.com/blog/customizing-pickers-in-content-editor-4-1



## Questions



#### jahia

#### Next webinar

#### March 28th

Troubleshoot your Jahia environment like a pro using Datadog

Discover how to troubleshoot any platform defect in a matter of seconds, using:

- Logs
- System metrics
- Performance analysis
- Application performance monitoring



## Thank you!

