OpenCms Days 2011

Workshop Track:  
The OpenCms 8  
Demo Template Modules in Detail
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Agenda

- Template comparison OpenCms 6, 7 and 8
- Template III and content modules
- Dev Demo Template
OpenCms 6 and 7

Template One

- OpenCms 6
- Many features
- Very complicated
- Based on a project for a customer
- Difficult to understand

Template Two

- OpenCms 7
- Combined template features and demo examples
- Template and resources are part of the same module
- Still not easy to understand
- For simple websites
OpenCms 8

• Template III
  – The best practice using OpenCms 8
  – Can be directly used for website development
  – Loose coupling of template and content types modules
  – As a starting point for a web-project

• Dev Demo
  – Well documented easy to understand Use Cases
  – Playground for template developers
Template III - Demo Modules

• OpenCms 8 Template III frontend
  – Navigation
  – Configurable Layout

• No dependency between template module and the content types:
  – OpenCms 8 Article
  – OpenCms 8 News
  – OpenCms 8 Event
  – OpenCms 8 List
  – OpenCms 8 Login
  – OpenCms 8 Search
  – OpenCms 8 Twitter
OpenCms 8 Template III

- Main navigation, left navigation, breadcrumb

![Website Screenshot](image)

**Alkacon**

**OpenCms 8 Demo Website**

**Welcome to OpenCms**

- Release Notes
- Template III Demo

**Template III Demo → Starting page**

**Starting page**
- Flower Today
- Flower Dictionary
- Flower Special
- Flower Extranet
- Flower Search

**Wonderful World of Flowers**

Wonderful World of Flowers presents the most spectacular and amazing stories about flowers from around the world. Entertaining and with lots of useful information. Let us take you into the adventurous world of flowers around the globe!
<cms:navigation>

Attributes:
- type: treeForFolder, forFolder, forSite, forResource, breadCrumb
- startLevel: property “NavStartLevel” on resource or folder
- endLevel
- var

<c:set var="navStartLevel" >
  <cms:property name="NavStartLevel" file="search" default="0" /> 
</c:set>

<cms:navigation type="forFolder" startLevel="${navStartLevel}" var="nav"/>
<c:forEach items="${nav.items}" var="elem">
  <c:set var="currentLevel" value="${elem.navTreeLevel}" />
  [...] 
  <a href="<cms:link>${elem.resourceName}</cms:link>" >>
  ${elem.navText}
</a>
</cms:navigation>
OpenCms Template III

- Configurable Header and Footer
OpenCms 8 Template III

• Drop header and footer to the model containerpage
  – /_contents/_new/pages/default.html

• Edit the xmlcontent to add the required html
  – Header: html of the header content
  – Footer: html of the footer content

• Remainder: Set the path to the model containerpage in the sitemap configuration
  – /_config/sitemap_restype.config
OpenCms 8 Template III

- Defines 2- or 3-columns layout
- Use property “Template columns” by editing properties of the container page directly in the sitemap.
OpenCms 8 Template III

- XmlDocument as configuration
- t3style
- Color settings of the template
  - /_config/style

- Example: Main Menu Background
• Set properties on the site folder or on a single page:
  `style.columns`=3
  `style.layout`=_config/style

• Template code:

```html
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN" ...>
<html>
...
<head>
  <link href="<cms:link>/system/modules/org.opencms.frontend.template3/resources/css/style.css?
    cols=<cms:property name='style.layout' file='search' />
    &
    stylecms:property name="style.columns" file='search' default="3" />
    </cms:link>" rel="stylesheet" type="text/css">
  </link>
</head>
<body>
...
• Template 3 Layout
  - 2/3 columns
  - header and footer
- v8article
- Content
  - Title
  - Paragraph (Headline, Text, Image)
  - Category
- XSD: Image Alignment
- Settings:
  - Image Alignment
  - Box Schema (Color)
OpenCms 8 Event, News

- v8news, v8event
- Extended article content

- Event:
  - Event data like start and end date, location
  - Availability with release and expiration
- News
  - Author name and e-mail
  - Availability with release and expiration

- Settings:
  - Image Alignment
  - Box Schema (Color)
  - Show location (only event), Show time
**Image Alignment:**
- Left of text
- Right of text
- Top
- Left of headline
- Right of headline

**XmlContent:**
- For each content
- As default alignment

**Settings:**
- For each element
• XSD configuration:

```
<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema" ... >
  <xsd:element name="V8Articles" type="OpenCmsV8Articles"/>
[…]
<xsd:annotation>
  <xsd:appinfo>
    […]
  </xsd:appinfo>
  <settings>
    <setting name="imgalign"
             nice-name="Image Align"
             type="string"
             widget="select"
             widget-config =
             "left : %(key.v8.article.image.left) |
               right : %(key.v8.article.image.right)|
               […]"
    </setting>
  </settings>
</xsd:annotation>
</xsd:schema>
```
Article - Image alignment

• Formatter:

[..]

```xml
<c:set var="imgalign">
    <cms:elementsetting name="imgalign" default="left" />
</c:set>

<c:choose>
    […]
    <c:when test="$\{imgalign == 'left'\}">
        <c:set var="imgclass">left</c:set>
    </c:when>
    <c:when test="$\{imgalign == 'right'\}">
        <c:set var="imgclass">right</c:set>
    </c:when>
</c:choose>
[..]
Event – Show location

• Configuration in the XSD file:

```xml
[...]
<settings>
    [...]
    <setting name="showlocation"
        nice-name="Show location"
        type="string"
        widget="checkbox"
        default="true"/>
    [...]
</settings>
[...]
```

• Available setting widgets:
  - string, select, datebox, vfslink, checkbox, multiselect, radio
Live Demo

• Content types
  – Article
  – News
  – Event
Dynamic Configurable List

- v8list
- List of resources
- Title / top and bottom text
- Collector configuration
- Mapping configuration
OpenCms 8 List - Collector

• Define the resources to display in the dynamic list
  – Choose one of the available collectors
  – Set the collector parameter

/_contents/events/e_%(number).html|v8event|2
The path to resources to collect | Resource type | Number of resources

• Link validation
  – Set the vfs link to the resource folder
  – Use macro as collector parameter
OpenCms 8 List - Mapping

- Mapping configuration
  - Position: Author, Date, Image
  - Mapping: Field -> Xml node of the chosen resource type
  - Max length of the text

![Diagram of mapping configurations]

- General settings
- Mapping configurations

Field: Title
XML Node: Title
Default: (Click on the “New” button on the right side to activate this element)
Max. Length: (Click on the “New” button on the right side to activate this element)

Field: Text
XML Node: Paragraph/Text
Default: (Click on the “New” button on the right side to activate this element)
Max. Length: 300
Live Demo

DEMO

• Content types
  – Dynamic Configurable List
v8login

Content:
- Title
- Text

Login form

Log in for a protected area on the website
v8search

Content:
- Title
- Text
- No results
- Error

Search configuration
- Search Index
- Search source
- Matches pro page

Fulltext search on the website
OpenCms 8 Search Form

• Using search form:
  – Drop a search form to the left or right column
  – Add a new search form (detail*) page in the sitemap
  – Make detail default

• Now the search results are displayed on the detail page
Live Demo

Demo

- Content types
  - Login Form
  - Search Form
OpenCms 8 Twitter Feed

- **v8twitter**
- **Official twitter widget**
- **XmlContent**
  - Title
  - User
  - Backgroundcolor
  - Links Color
- **Settings:**
  - Twitter box height
• Dynamic include of additional javascript and css

• Add new tag to the template <head> :

```html
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN" "">
<html><head>
  […]
  <cms:headincludes type="javascript" />
  <cms:headincludes type="css" />
  […]
</head><body>
[...]
```
OpenCms 8 Twitter Feed

- Add new node in the content xsd:

```
[...]
<xsd:annotation>
<xsd:appinfo>
[...]
<headincludes>

<headinclude type="javascript" uri="http://widgets.twimg.com/j/2/widget.js" />

<headinclude type="css" uri="/system/modules/.../resources/css/style.css"/>

</headincludes>
</xsd:appinfo>
</xsd:annotation>
```
OpenCms 8 Twitter Feed

- **Formatter:**

  ```xml
  <cms:formatter var="content" val="value">
  <div class="twitter-box">
    <c:choose>
      <c:when test="$\{\text{cms.edited}\}$">
        <p>Please reload</p>
      </c:when>
      <c:otherwise>
        <script type="text/javascript">
          new TWTR.Widget(
            [...]
          ).start();
        </script>
      </c:otherwise>
    </c:choose>
  </div>
  </cms:formatter>
  ```
Live Demo

- Content types
  - Twitter
• Using and customizing Demo Templates
  – Customize Template III
  – Header and Footer
  – Stylesheet for the site or sub sites
  – 2 or 3 columns
  – Flexible image alignment
  – Individual settings for elements
  – Dynamic elements like lists, twitter feed and search
Extensibility of content types

- New formatter for content types
- New settings to control layout and content of element
- Additional javascript or css with `<cms:headinclude>` tag

- Create new content type module to use with Template III
- Use available content module as a copy model

**Important:** Check the resource type ids
Any Questions?

¿Preguntas?

Questiones?
Thank you very much for your attention

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