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

- Template III

  - The best pratice 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

- 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

- Main navigation, left navigation, breadcrumb

Main

Bread-
crumb

Left

- <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

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

- Example: Main Menu Background

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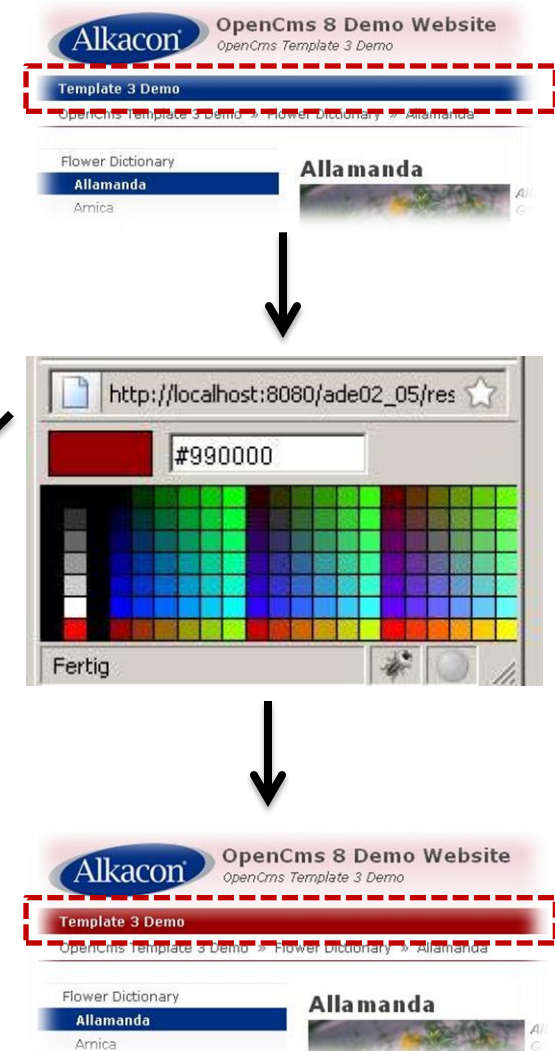
- Set properties on the site folder or on a single page:

  'style.columns'=3

  'style.layout'=/_config/style

- Template code:

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTDHTML 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>
…
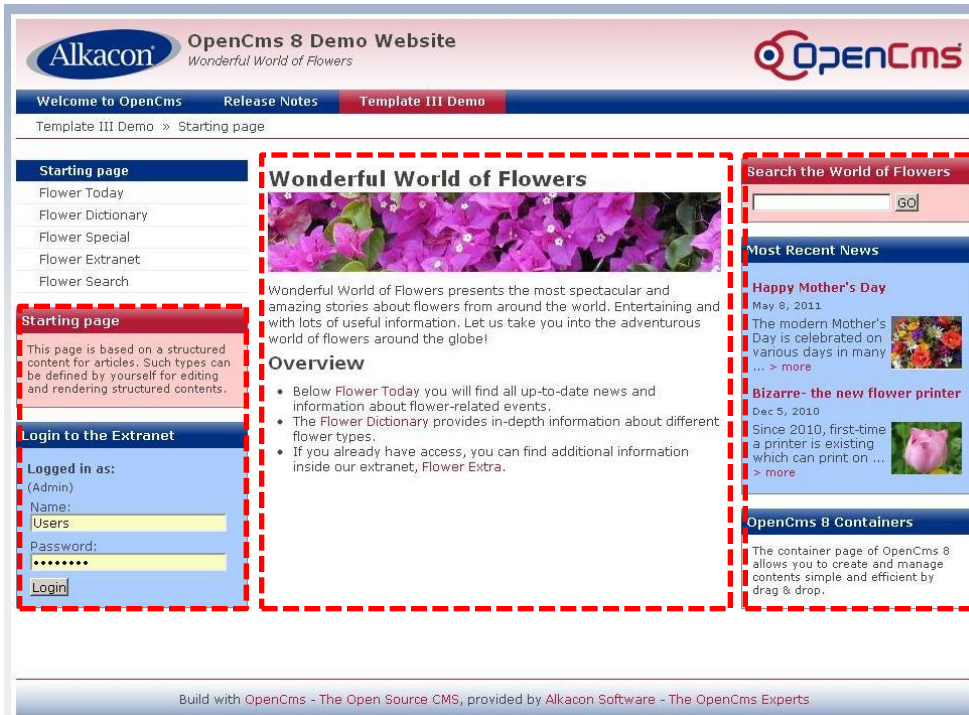```

# DEMO

# Demo

- Template 3 Layout
  - 2/3 columns
  - header and footer

Demo

Demo

# *OpenCms 8 Article*

- 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
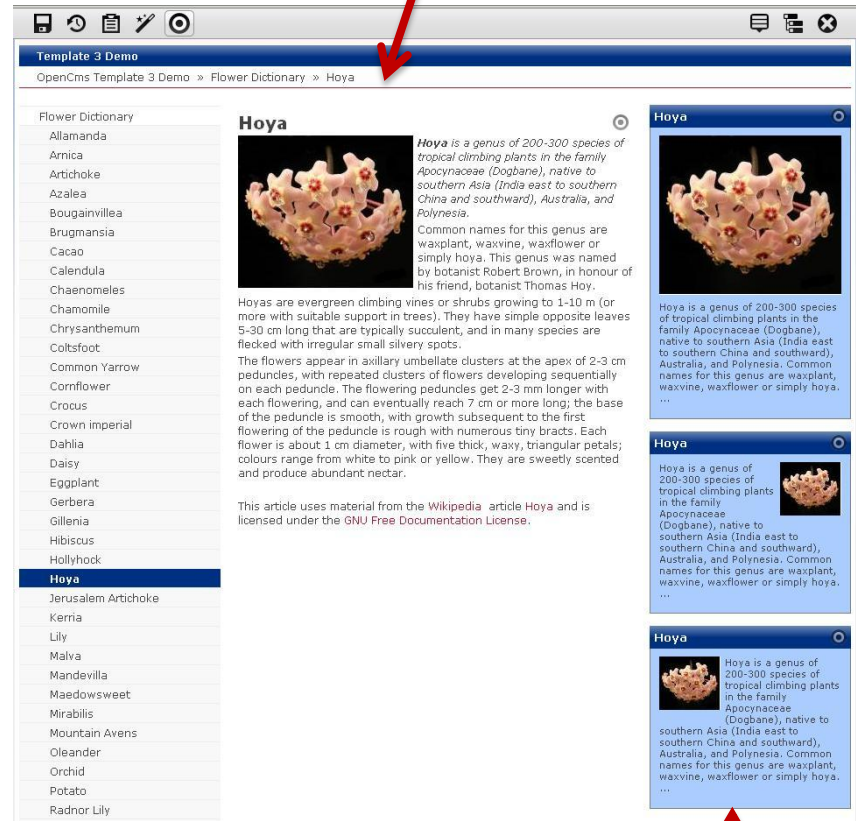- Right of headline

# XmlContent:

- For each content
- As default alignment

# Settings:

- For each element



Left of text, xmlcontent

Top, settings

Right of text, settings

Left of text, settings

# *Article - Image alignment*

- ## XSD configuration:

```
<xsd:schema xmlns:xsd=http://www.w3.org/2001/XMLSchema … >
    <xsd:element name="V8Articles" type="OpenCmsV8Articles"/>
    […]
    <xsd:annotation>
    <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)|
                                    [..]" />

        </settings>

            […]
    </xsd:appinfo>
    </xsd:annotation>
</xsd:schema>
```

- Formatter:

[..]

```
<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:

```
[…]
<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

DEMO

Demo

- Content types
  - Article
  - News
  - Event

Demo

Demo

Dynamic Configurable List
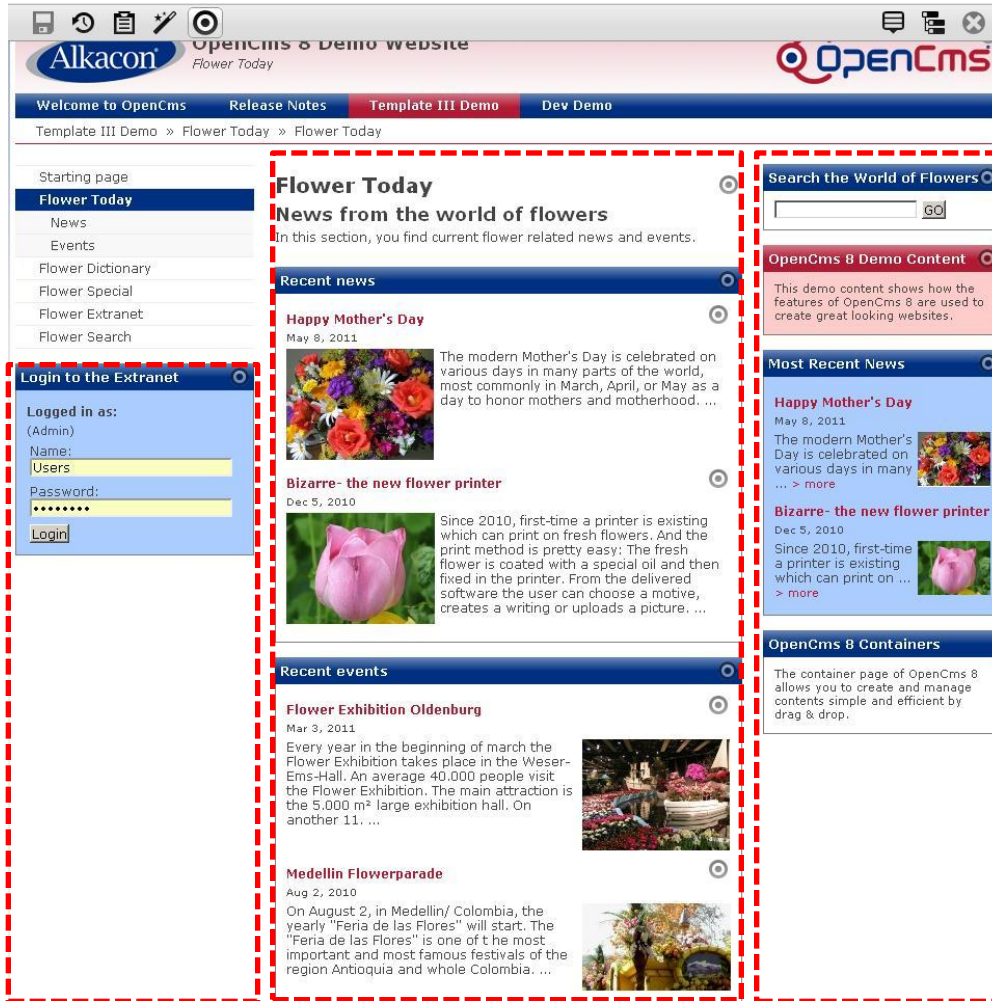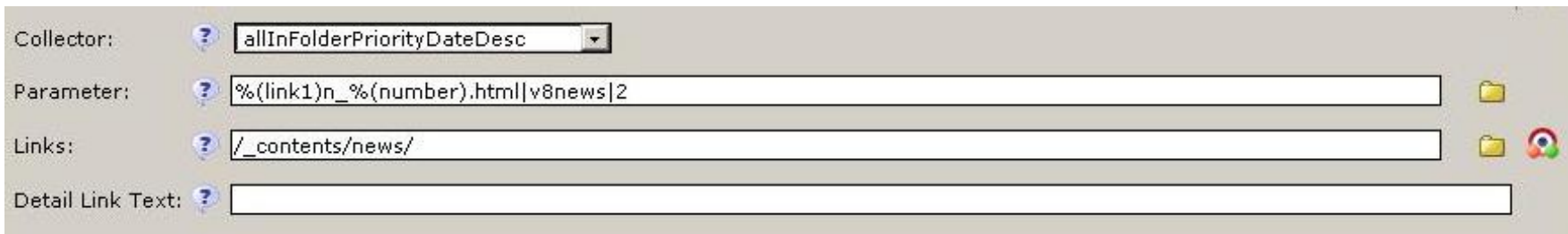
- v8list

- 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
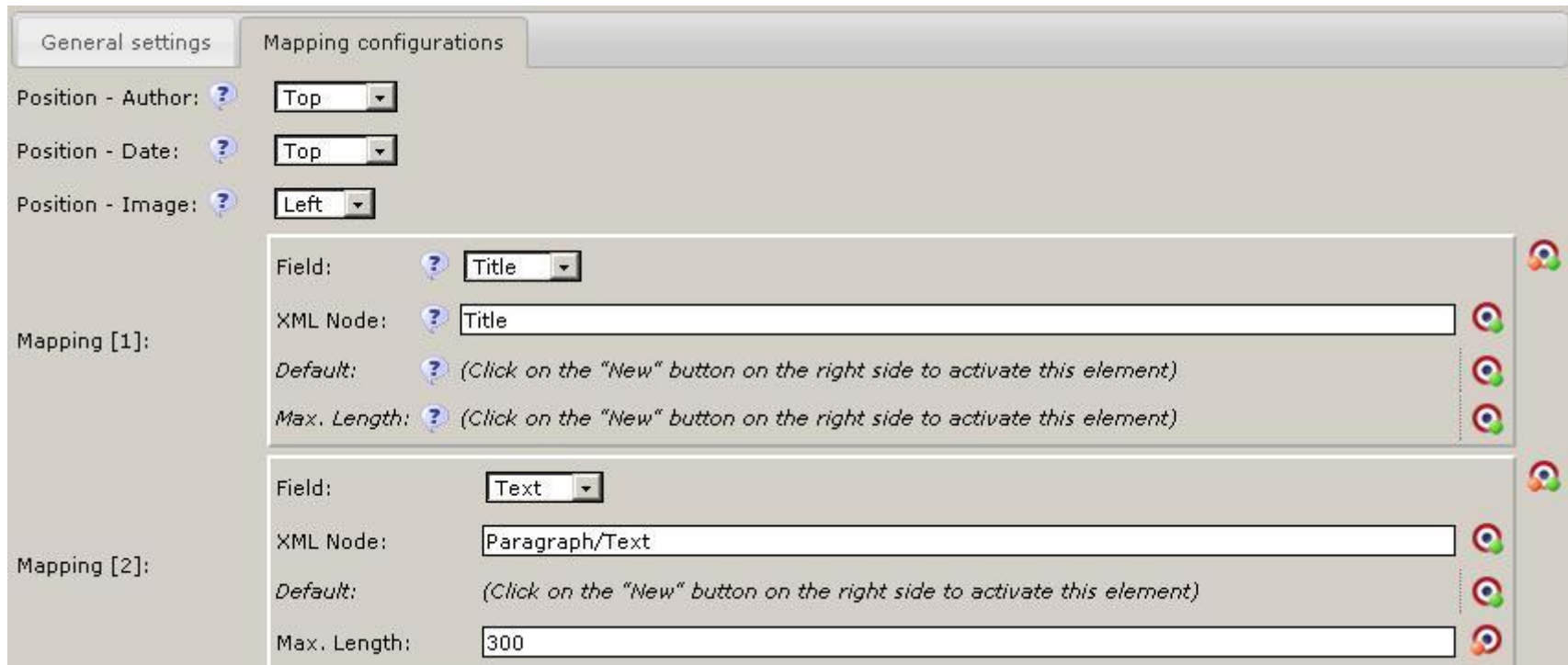
Collector:	allInFolderPriorityDateDesc
Parameter:	%(link1)n_%(number).html|v8news|2
Links:	/_contents/news/
Detail Link Text:	

OpenCms 8 List - Mapping

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

DEMO

Demo

Demo

- Content types
  - Dynamic Configurable List

Demo

OpenCms 8 Login Form

- v8login

- Content:
  - Title
  - Text

- Login form

- Log in for a protected area on the website

OpenCms 8 Search Form

- 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

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DEMO

- Content types
  - Login Form
  - Search Form

Demo

Demo

Demo

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> :

```
<!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:

```
<cms:formatter var="content" val="value">

<div class="twitter-box">
    <c:choose>
        <c:when test="${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>
```

DEMO

Demo

Demo

Demo

- Content types
  - Twitter

- Using and customizing Demo Templates

  - Customize Temlate 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

QUESTIONS ?

Fragen?

- Any Questions?

¿Preguntas?

Questiones?

Thank you very much for your attention

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