



OpenCms Days 2011

Workshop Track:

***Creating OpenCms 8 Container
Templates (Part 1)***

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- Configuration
 - Container Page
 - Site Map
- Detail Pages
- SEO and Detail Pages
- Sub Sites
- Group Container
- Settings
- HTML/CSS Guideline
- JavaScript
- Head Includes



- What needs to be set?
 - Available resource types
 - Model content
 - New resource naming pattern
 - New resources folder



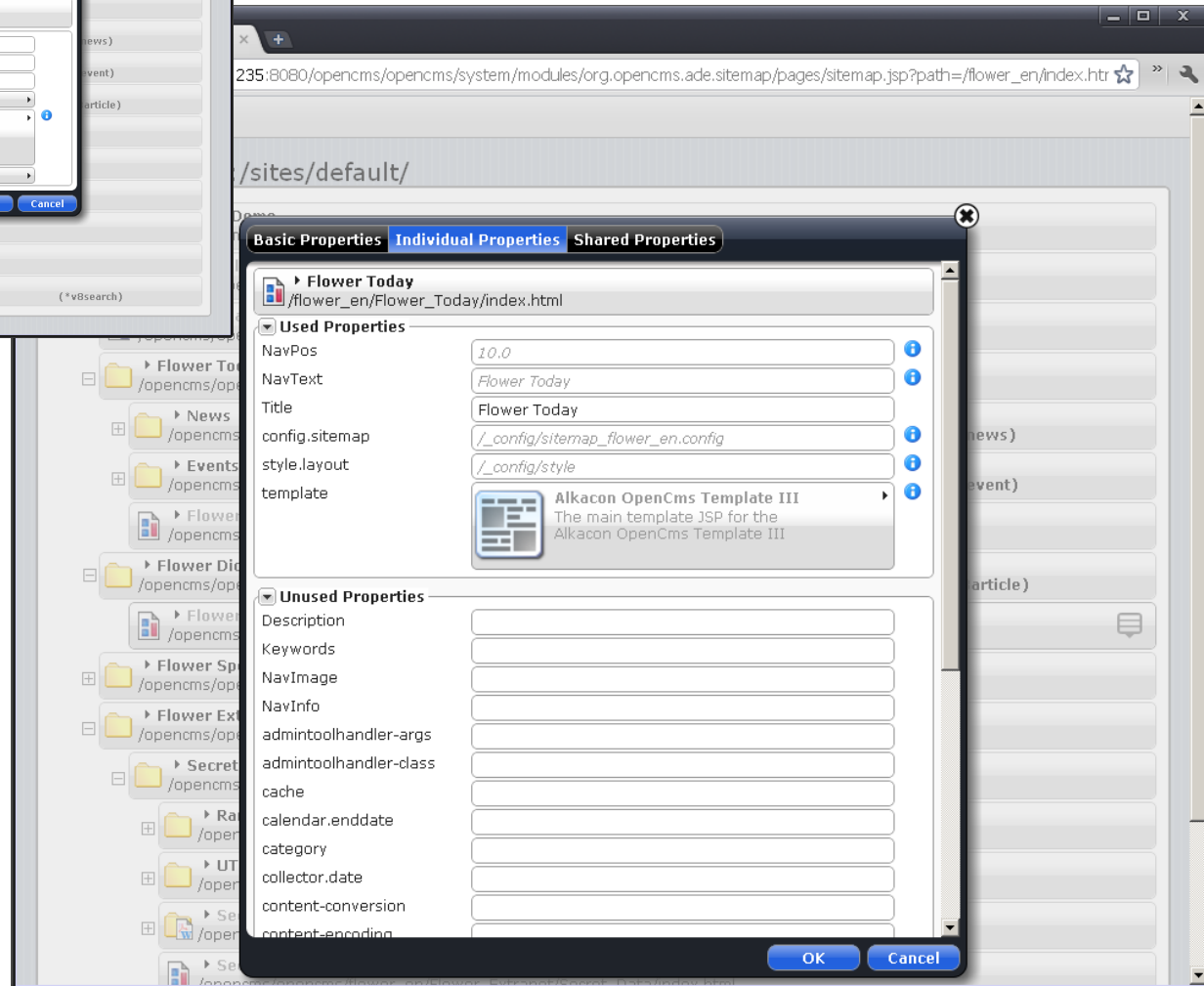
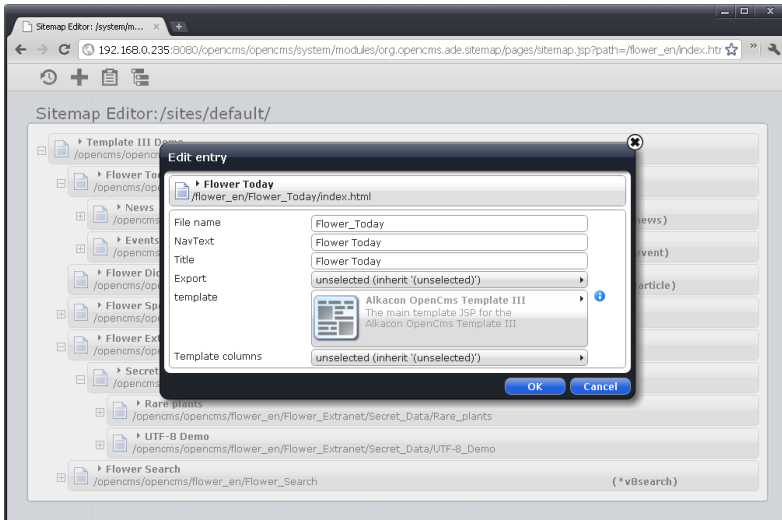
- What needs to be set?
 - Pages Models
 - Source File
 - Default Properties
 - Name
 - Widget [string|select]
 - WidgetConfig
 - NiceName
 - Description
 - ...



- Within the Site Map Editor a new properties dialog is available.
- There is a simple dialog variant showing only configured properties. If one switches to the VFS view in the Site Map Editor all properties of a resource can be edited.



Properties Editor



- It is not necessary to create a new page in the site map for every news, article or other contents. Detail Pages can be generated to be reused for all news etc.
- The template needs to specify a detail view container by adding the attribute `detailview="true"` to a container tag.
- If a detail content is displayed all elements of the detail view container will be replaced by the detail element.



- Maintain a single 'Detail Page' to show all contents of a specific Resource Type
- Use the `<cms:link>` tag to generate the link
- Link from search results, content collector lists or teaser elements



- OpenCms 7:
www.opencms.org/news/news_0001.html
- OpenCms 8:
www.opencms.org/news/OpenCms_Days_2011/

```
<xsd:annotation>
  <xsd:appinfo>
    <mappings>
      <mapping element="Title" mapto="urlName" />
    </mappings>
  </xsd:appinfo>
</xsd:annotation>
```

- Unique mappings are automatically created and maintained for each XmlContent with a defined url mapping



- Sub Sites can be defined to allow easier maintenance of certain parts of a site.
- Sub Sites allow differing configuration for different parts of a site.
- Sub Sites are created within the Site Map Editor for an existing sub tree of the navigation.



Sub Sites

The screenshot shows the Sitemap Editor interface in a browser window. The address bar indicates the URL: `192.168.0.235:8080/opencms/opencms/system/modules/org.opencms.ade.sitemap/pages/sitemap.jsp?path=/flower_en/inde`. The main content area displays a tree view of the site structure under the path `/sites/default/`. The tree includes the following items:

- Template III Demo
/opencms/opencms/flower_en/
 - Flower Today
/opencms/opencms/flower_en/Flower_Today/
 - News
/opencms/opencms/flower_en/Flower_Today/News
 - Events
/opencms/opencms/flower_en/Flower_Today/Events
 - Flower Dictionary
/opencms/opencms/flower_en/Flower_Dictionary/
 - Flower Special
/opencms/opencms/flower_en/Flower_Special
 - Flower Extranet
/opencms/opencms/flower_en/Flower_Extranet/
 - Secret Data
/opencms/opencms/flower_en/Flower_Extranet/Secret_Data/
 - Rare plants
/opencms/opencms/flower_en/Flower_Extranet/Secret_Data/Rare_plants
 - UTF-8 Demo
/opencms/opencms/flower_en/Flower_Extranet/Secret_Data/UTF-8_Demo
 - Flower Search
/opencms/opencms/flower_en/Flower_Search (*vBsearch)

A context menu is open over the 'Flower Extranet' item, listing the following actions:

- Show Page
- Properties
- Create Sub-Page
- Create Sub-Sitemap
- Remove From Navigation
- Availability
- Refresh
- Delete

- A Group Container is a content element referencing a group of other content elements.
- A Group Container will be rendered as if it's sub elements where referenced directly be the container page.
- It allows to maintain the referenced elements in one place to take effect on many pages.



Group Container

The screenshot shows a web browser window displaying the OpenCms 8 demo website. The browser address bar shows the URL: 192.168.0.235:8080/opencms/opencms/flower_en/Flower_Today/. The website has a blue and red theme with the Alkacon logo in the top left and the OpenCms logo in the top right. A navigation bar contains links for "Welcome to OpenCms", "Release Notes", and "Template III Demo". Below the navigation bar, there is a breadcrumb trail: "Template III Demo » Flower Today » Flower Today".

The main content area is titled "Flower Today" and "News from the world of flowers". It includes a "Recent news" section with a "Happy Mother's Day" article dated May 8, 2011. There is also a "Cooking with flowers" article dated 1/5/10 11:33 AM, which mentions a new edition of a book by Jekka McVicar. A "Search the World of Flowers" search box is located in the top right. A "Login to the Extranet" section is visible in the bottom left.

A "Group Container Editor" dialog box is overlaid on the page. It has a title bar with a close button (X). The dialog contains two input fields: "Title" with the value "Default Right Column" and "Description" with the value "Contains several pre-configured elements for". There are "OK" and "Cancel" buttons at the bottom right of the dialog.

DEMO

Demo

- Live Demo

Demo

Demo



- Element Settings are key value pairs that can be set by the content editor to be applied to container page content elements.
- They can be accessed within the formatter JSP rendering an element.
- They are specific to a certain element within a container page. Settings are not inherited.



The screenshot shows a web browser window displaying the OpenCms 8 Demo website. The page title is "Flower Special" and the URL is "192.168.0.235:8080/opencms/opencms/flower_en/Flower_Special/". The website header includes the Alkacon logo, "OpenCms 8 Demo website", and "Flower Special". A navigation bar contains "Welcome to OpenCms", "Release Notes", and "Template III Demo". A breadcrumb trail shows "Template III Demo » Flower Special » Flower Special".

The main content area features a sidebar with "Flower Today", "Flower Dictionary", "Flower Special" (highlighted), "Flower Extranet", and "Flower Search". Below the sidebar is a "Login to the Extranet" section with fields for "Name:" and "Password:" and a "Login" button. The main content area has a heading "Flower Today" and a section titled "Flowerly Functionalities" with a sub-heading "Flowerly Functionalities". The text describes the reproduction of flowers, mentioning "heterosporous", "meiosis", "anthers", "megaspores", "ovules", "anthers", "microspores", "integuments", "types", "game", "with", "game", "spores". An image of a bouquet of flowers is visible. Below the image, the text continues: "In the majority of species, individual flowers have both functional carpels and stamens. These flowers are described by botanists as being perfect or bisexual. Some flowers lack one or the other reproductive organ and called imperfect or unisexual. If unisex flowers are found on the same individual plant but in different locations, the species is said to be *monoecious*. If each type of unisex flower is found only on separate individuals, the plant is *dioecious*."

On the right side, there is a search box "Search the World of Flowers" with a "GO" button and a section "OpenCms 8 Demo Content" with a description: "This demo content shows how the features of OpenCms 8 are used to create great looking web...".

An "Element Settings" dialog box is overlaid on the page, showing two settings: "Box Schema" set to "Schema Red" and "Image Align" set to "Top". The dialog has "OK" and "Cancel" buttons.

At the bottom of the page, it says "Build with OpenCms - The Open Source CMS, provided by Alkacon Software - The OpenCms Experts".

- Settings are defined in the ResourceType schema

```
<xsd:annotation>
  <xsd:appinfo>
    <settings>
      <setting name="boxschema" nice-name="Box Schema" type="string" widget="select"
        widget-config="box_schema1:Schema Blue|box_schema2:Schema Red|box_schema3:Schema White" />
    </settings>
  </xsd:appinfo>
</xsd:annotation>
```

- Settings are persisted in the Container page Xml
- Widgets:
 - checkbox, datebox, multiselect, radio, textarea, select, string, vflink



- Read Settings within the Formatter Jsp

```
<cms:elementsettings  
  name="boxschema"  
  escapeHtml="false"  
  default="box_schema1" />
```



- The rendering process of a Container Page is based on known OpenCms techniques
- The Container Page Editor works by including JavaScript into the head of the page
- All UI elements are injected after the page is loaded
- Some HTML and CSS guidelines need to be followed to avoid collisions with the editor



- HTML
 - Don't use table layouts in your template
 - The HTML should be well formed
 - Formatters should generate a single block HTML element
- CSS
 - Avoid overflow:hidden or overflow:scroll on container HTML elements and their ancestors
 - Avoid z-index > 1000000
 - Some CSS declarations may interfere with the editor UI → avoid strong but unspecific CSS rules like:
 - #center *{color: red;}
 - div{padding:10px !important}



- JavaScript within Templates and Formatter output works as intended
- The Container Page Editor will insert HTML fragments of moved, edited or new Elements into the DOM of the current page. Inline JavaScript will not be executed at that time.
- To display alternate content check `#{cms:edited==true}` within the Formatter Jsp



- Include CSS and JavaScript resources depending on the container elements of the given page:

```
<cms:headincludes type="javascript"
  defaults="/.../jquery.js" />
```

```
<xsd:appinfo>
  <headincludes>
    <headinclude type="javascript"
      uri="http://widgets.twimg.com/j/2/widget.js" />
    <headinclude type="css"
      uri="/system/modules/com.alkacon.opencms.v8.twitter/resources/css/style.css" />
  </headincludes>
```



QUESTIONS ?

Fragen?

- Any Questions?

¿Preguntas?

Questiones?



Thank you very much for your attention

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<http://www.alkacon.com>

<http://www.opencms.org>

