Creating and Using Page Templates in Oracle WebCenter Portal Applications

Oracle WebCenter Portal 11g R1 PS5 (11.1.1.6.0)

Objectives

After completing this module, you should be able to:

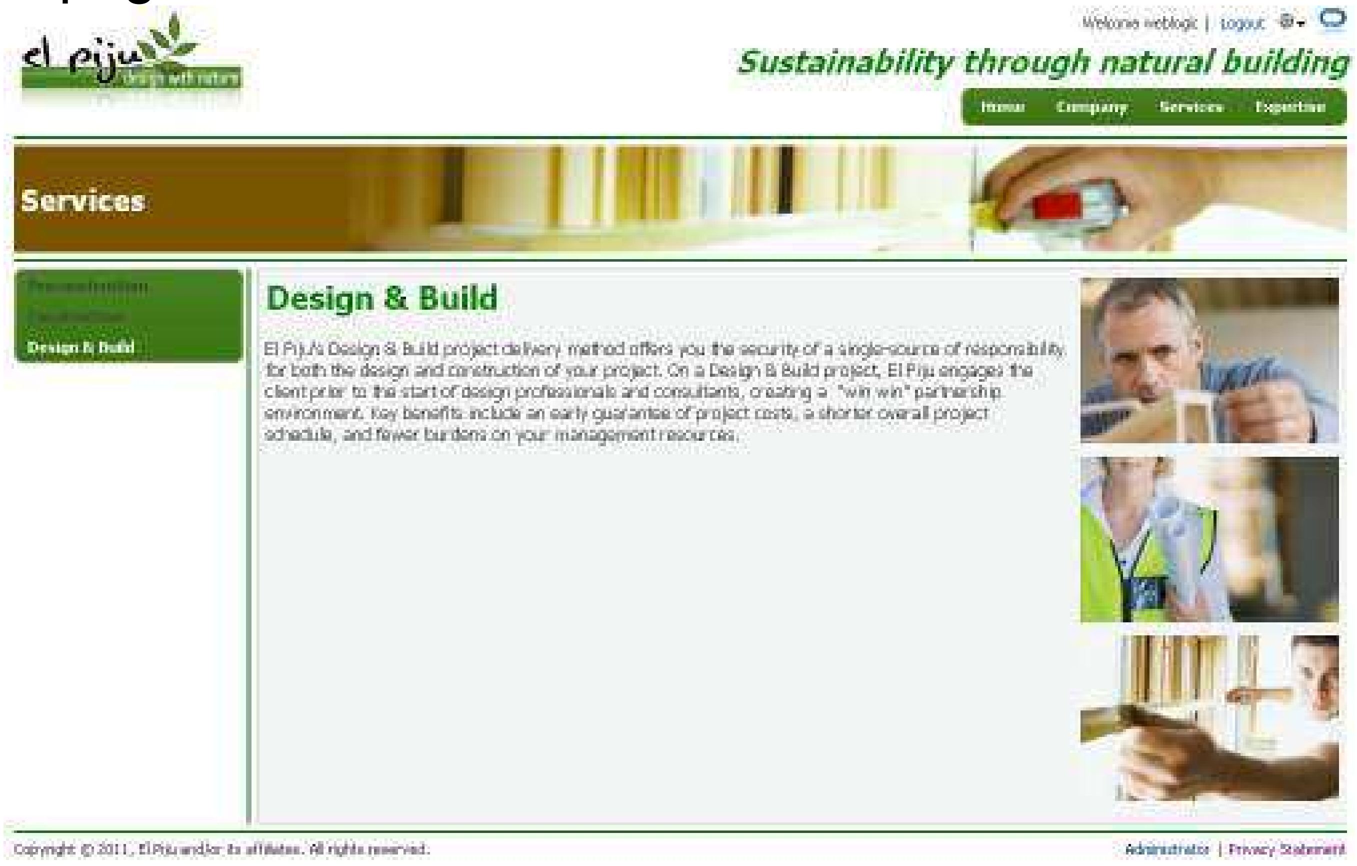
- Create and use page templates both at design- and run time
- Create an editable page template
- Create a portal resource from an existing page template
- Explain the round-trip development process for page templates
- Describe the differences between page templates for an Oracle WebCenter Portal Framework application and Oracle WebCenter Portal: Spaces

Agenda

- Working with Page Templates
- Page Templates for WebCenter Portal Framework Applications
- Page Templates for WebCenter Portal: Spaces

What is a Page Template

A page template controls the layout and common content of the application's pages.


Welcome weblogic | Logout
el piju design with nature
Home
Company
Services
Expertise
Services
Design & Build
Administrator | Privacy Statement

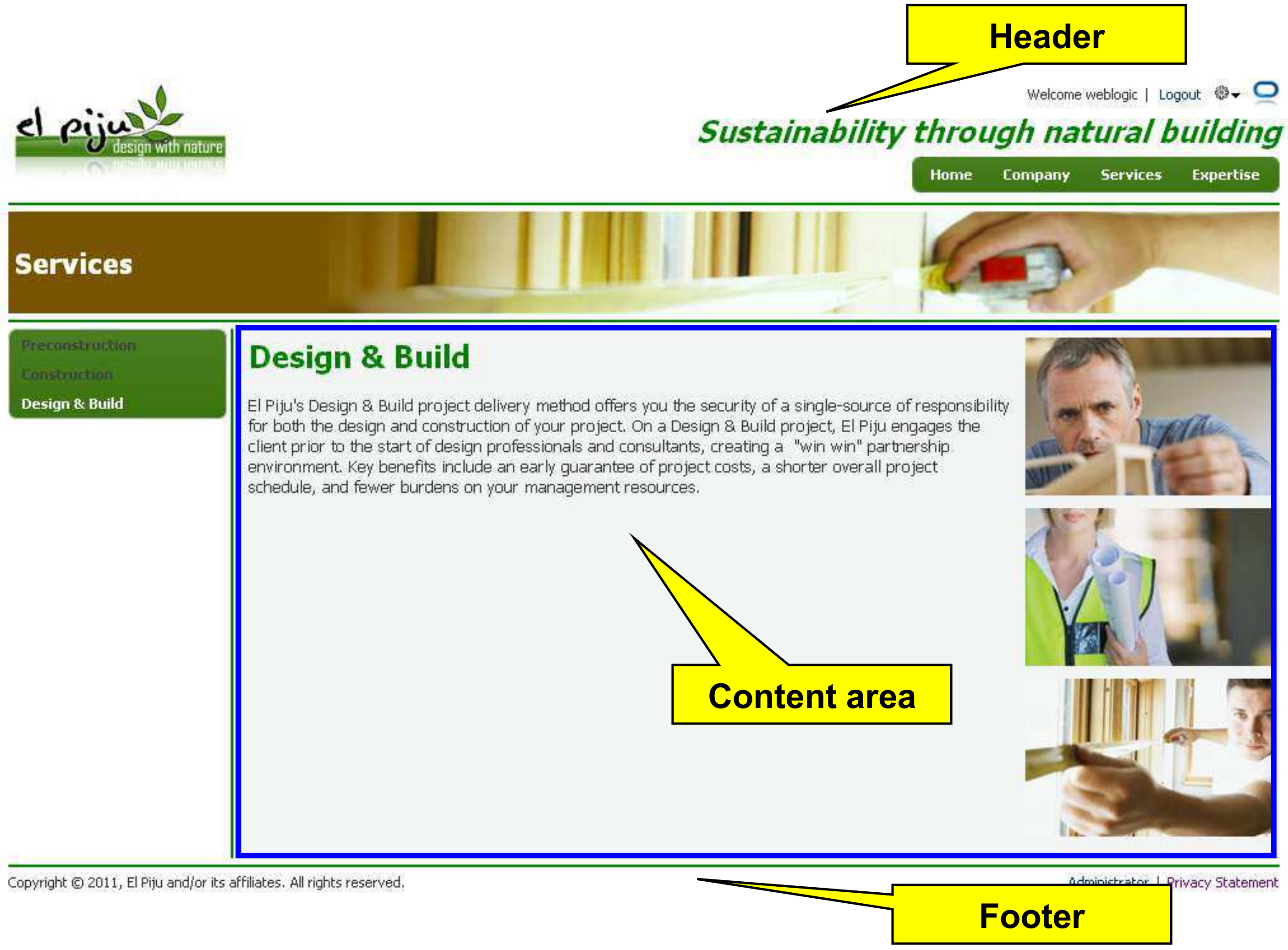
Sustainability through natural building

Design & Build

El Piju's Design & Build project delivery method offers you the security of a single-source of responsibility for both the design and construction of your project. On a Design & Build project, El Piju engages the client prior to the start of design professionals and consultants, creating a "win win" partnership environment. Key benefits include an early guarantee of project costs, a shorter overall project schedule, and fewer burdens on your management resources.

Copyright © 2011, El Piju and/or its affiliates. All rights reserved.

Typical Elements on a Page Template: Layout Elements



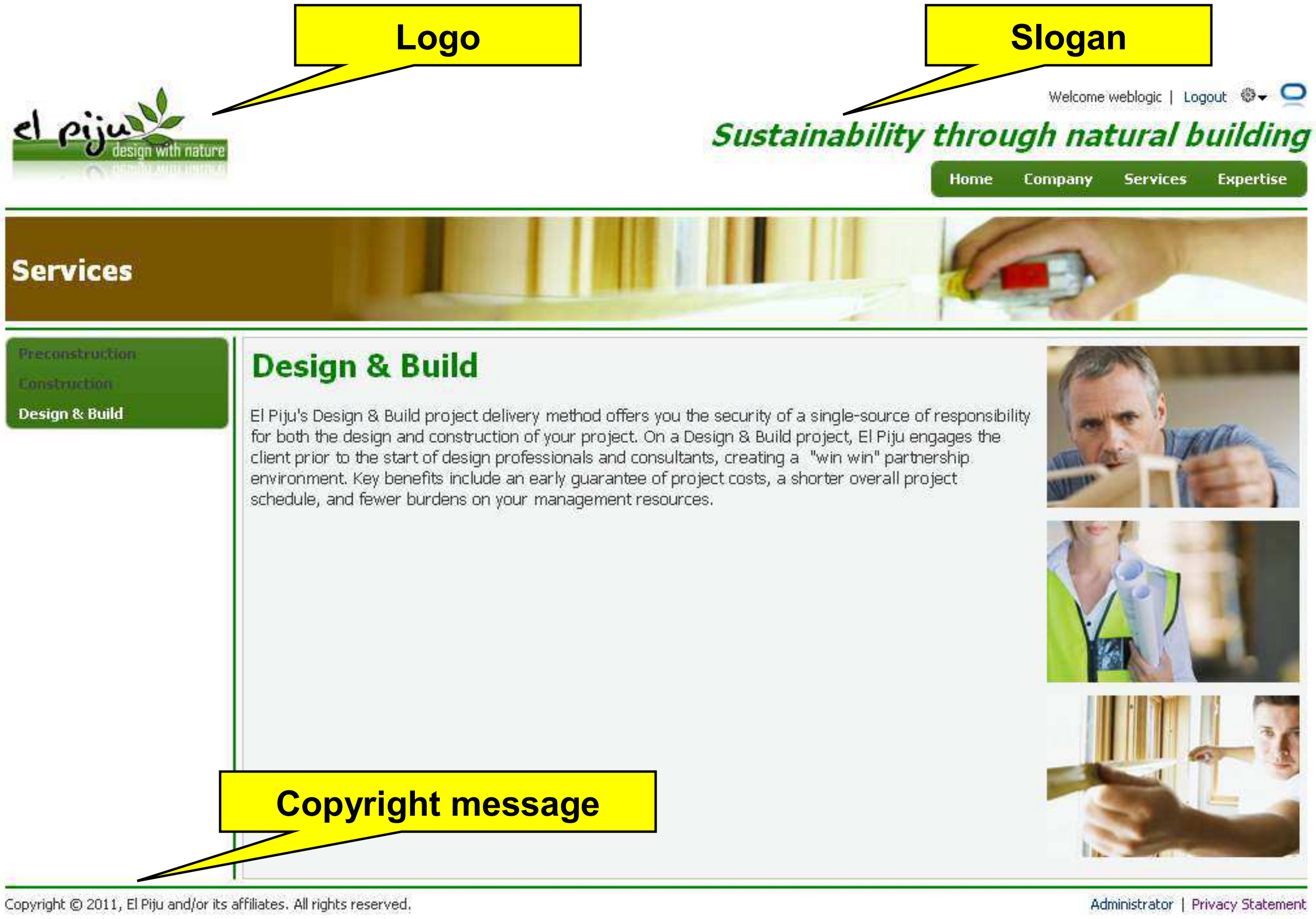
Design & Build

El Piju's Design & Build project delivery method offers you the security of a single-source of responsibility for both the design and construction of your project. On a Design & Build project, El Piju engages the client prior to the start of design professionals and consultants, creating a "win win" partnership environment. Key benefits include an early guarantee of project costs, a shorter overall project schedule, and fewer burdens on your management resources.

Copyright © 2011, El Piju and/or its affiliates. All rights reserved.

Administrator | Privacy Statement

Typical Elements on a Page Template: Brand-Specific Elements



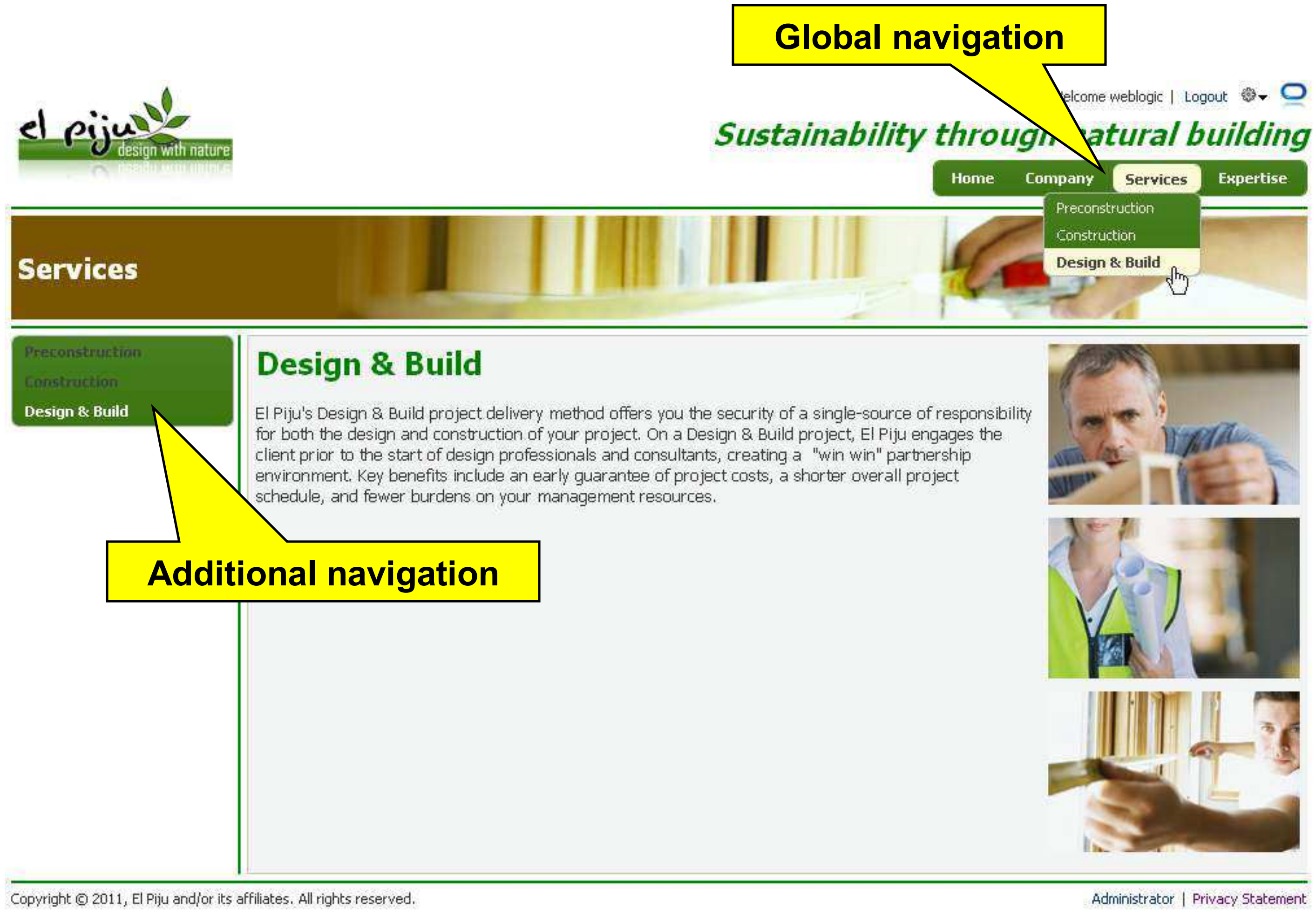
Sustainability through natural building

Design & Build

El Piju's Design & Build project delivery method offers you the security of a single-source of responsibility for both the design and construction of your project. On a Design & Build project, El Piju engages the client prior to the start of design professionals and consultants, creating a "win win" partnership environment. Key benefits include an early guarantee of project costs, a shorter overall project schedule, and fewer burdens on your management resources.

Copyright © 2011, El Piju and/or its affiliates. All rights reserved.

Typical Elements on a Page Template: Navigation

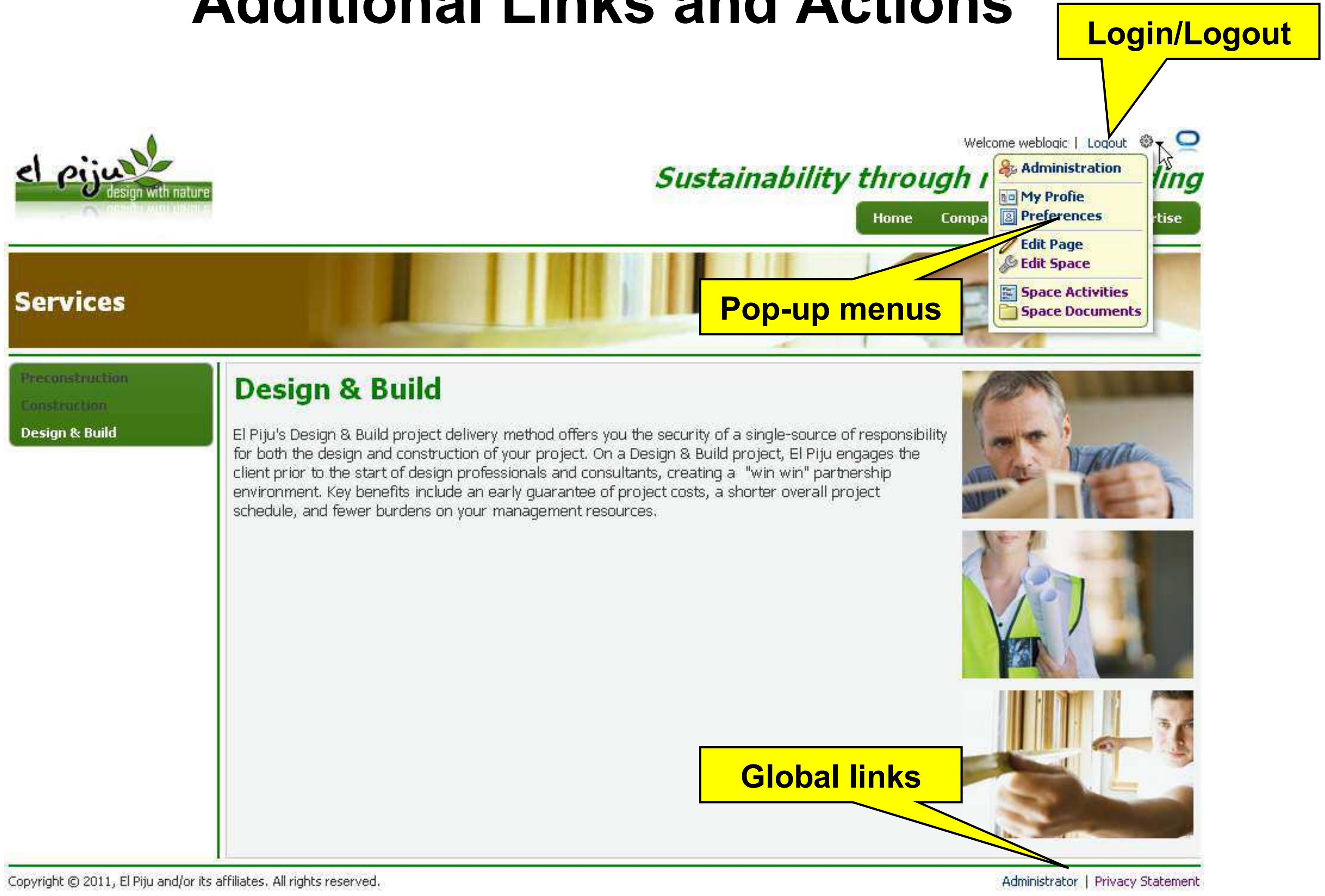


Design & Build

El Piju's Design & Build project delivery method offers you the security of a single-source of responsibility for both the design and construction of your project. On a Design & Build project, El Piju engages the client prior to the start of design professionals and consultants, creating a "win win" partnership environment. Key benefits include an early guarantee of project costs, a shorter overall project schedule, and fewer burdens on your management resources.

Copyright © 2011, El Piju and/or its affiliates. All rights reserved.

Typical Elements on a Page Template: Additional Links and Actions



Design & Build

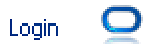
El Piju's Design & Build project delivery method offers you the security of a single-source of responsibility for both the design and construction of your project. On a Design & Build project, El Piju engages the client prior to the start of design professionals and consultants, creating a "win win" partnership environment. Key benefits include an early guarantee of project costs, a shorter overall project schedule, and fewer burdens on your management resources.

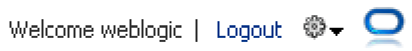
Copyright © 2011, El Piju and/or its affiliates. All rights reserved.

Typical Elements on a Page Template: Conditional Elements

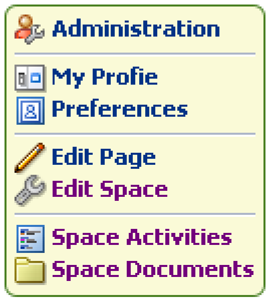
Elements of the page template can be displayed conditionally.

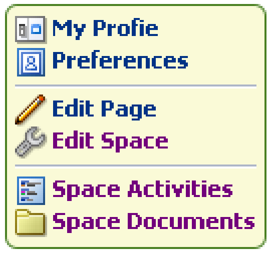
- Depending on whether the user is public or authenticated

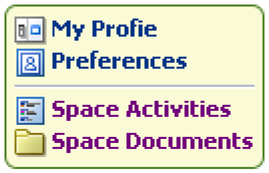




- Depending on the user's role and privileges

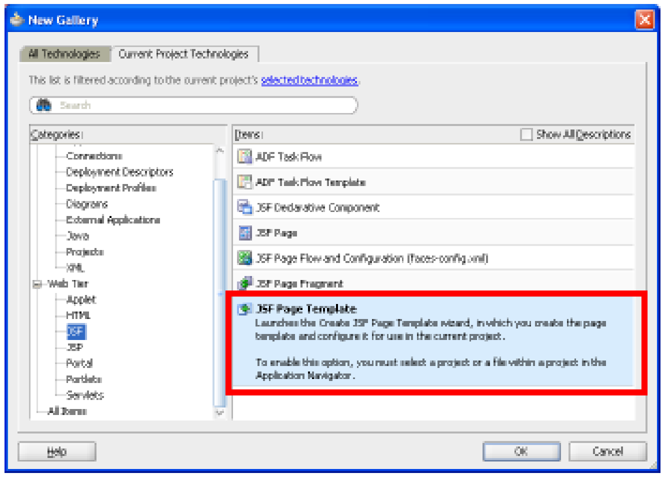






Working with Templates at Design Time Create Template (1)

1. New Template



This list is filtered according to the current project's selected technologies.

Categories: Connections, Deployment Descriptors, Deployment Profiles, Diagrams, External Applications, Java, Projects, XML, Web Tier, Applet, HTML, JSF, JSP, Portal, Portlets, Servlets, All Items

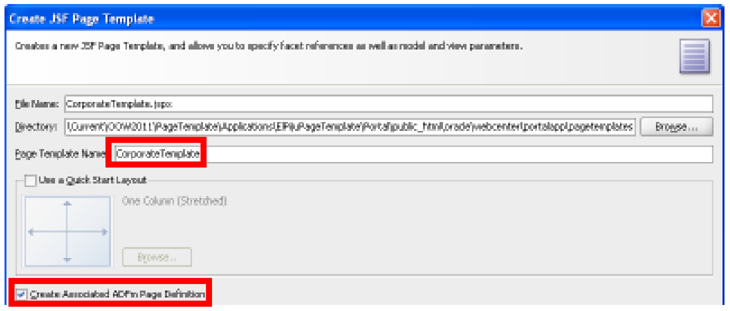
Items: ADF Task Flow, ADF Task Flow Template, JSF Declarative Component, JSF Page, JSF Page Flow and Configuration (faces-config.xml), JSF Page Fragment, JSF Page Template

☐ Show All Descriptions

JSF Page Template
Launches the Create JSF Page Template wizard, in which you create the page template and configure it for use in the current project.

To enable this option, you must select a project or a file within a project in the Application Navigator.

2. Define name,
   create page definition



Creates a new JSF Page Template, and allows you to specify facet references as well as model and view parameters.

File Name: CorporateTemplate.jspx

Directory: \Current\OOW2011\PageTemplate\Applications\EIP\uPageTemplate\Portal\public_html\oracle\webcenter\portalapp\pagetemplates

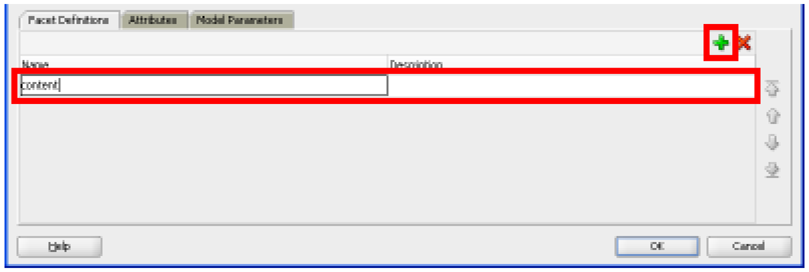
Page Template Name: CorporateTemplate

☐ Use a Quick Start Layout

☑ Create Associated ADFm Page Definition

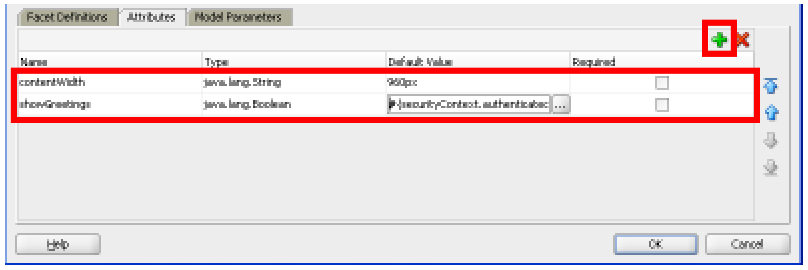
Working with Templates at Design Time Create Template (2)

3. Create facet(s)



Name	Description
content	

4. Create attribute(s)



Name	Type	Default Value	Required
contentWidth	java.lang.String	960px	☐
showGreetings	java.lang.Boolean	#{securityContext.authenticatec	☐

JSF Page Template wizard is not reentrant, but you can edit the template source to add more facets and attributes.

Structure of the Template Source

```
<?xml version='1.0' encoding='UTF-8'?>
<jsp:root xmlns:jsp="http://java.sun.com/JSP/Page" version="2.1" ...
          xmlns:cust="http://xmlns.oracle.com/adf/faces/customizable">
  <jsp:directive.page contentType="text/html;charset=UTF-8"
  <af:pageTemplateDef var="attrs">

       <af:facetRef facetName="content"/>

    <af:xmlContent>
      <component xmlns="http://xmlns.oracle.com/adf/faces/rich/component">
        <display-name>Corporate Template</display-name>
        <facet><facet-name>content</facet-name></facet>
        <attribute>
          <attribute-name>contentWidth</attribute-name>
          <attribute-class>java.lang.String</attribute-class>
          <default-value>960px</default-value>
        </attribute>
      </component>
    </af:xmlContent>
  </af:pageTemplateDef>
</jsp:root>
```

Tag libraries

Template content

Template name

Facet definition(s)

Attribute(s)

Working with Templates at Design Time: Populate Template

- Add components to the template (similar to populating pages)
  - Drag-and-drop from the component palette
  - Edit the source if necessary
- Add facet reference where the page content will be displayed

```
    <af:facetRef facetName="content"/>
```

Template Attributes

- Define attributes in the template:

  name, class, and optionally, a default value

```
<attribute>
  <attribute-name>contentWidth</attribute-name>
  <attribute-class>java.lang.String</attribute-class>
  <default-value>960px</default-value>
</attribute>
```

- Default value can be an EL expression
- Default can be overridden,
  - in the page, where the template is used
  - At run time by Composer, when the page is displayed
- Refer to an attribute:

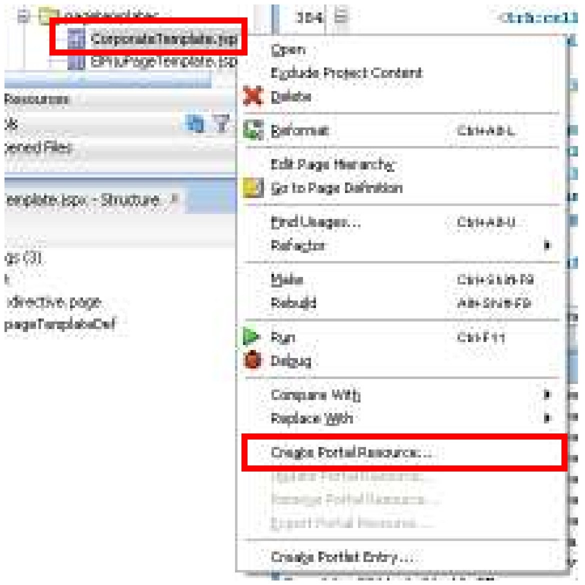
```
<trh:tableLayout id="globalPageTable"
                 width="#{attrs.contentWidth}">
```

Page Template as Portal Resource

- A page template can become a portal resource.
  - Packed in a resource archive (EAR, MAR)
  - Stored in MDS
- Rules:
  - Create under **`/oracle/webcenter/portalapp/pagetemplates`**
  - Must have a facet called **`content`**
  - Must have a reference to the **`content`** facet

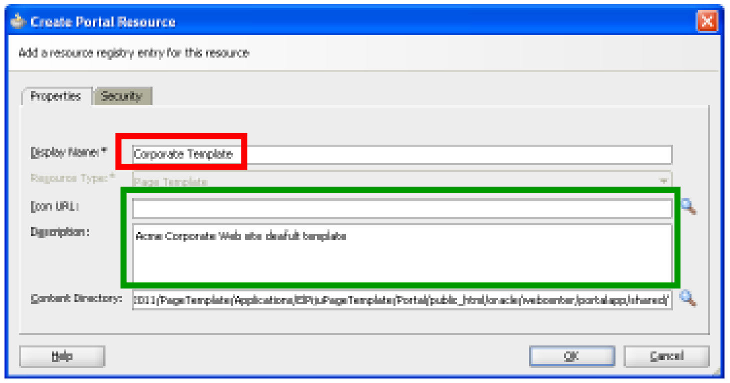
Page Template as Portal Resource: Creating the Resource

1. Create resource



2. Define properties
   – Name

   optionally
   – Description
   – Icon URI, …


Create Portal Resource

Add a resource registry entry for this resource

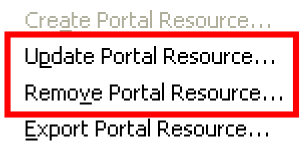
Properties | Security

Display Name: *	Corporate Template
Resource Type: *	Page Template
Icon URL:	
Description:	Acme Corporate Web site deafult template
Content Directory:	2011/PageTemplate/Applications/EPiuPageTemplate/Portal/public_html/oracle/webcenter/portalapp/shared/

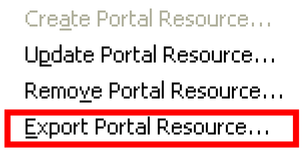
Help | OK | Cancel

Page Template as Portal Resource: Working with Resources

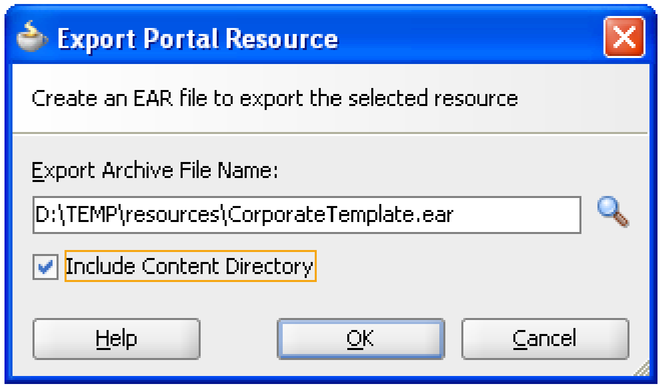
- Update, remove


Create Portal Resource...
Update Portal Resource...
Remove Portal Resource...
Export Portal Resource...

- Export


Create Portal Resource...
Update Portal Resource...
Remove Portal Resource...
Export Portal Resource...

  – Provide location (EAR file)
  – Include the content directory, if necessary


Export Portal Resource

Create an EAR file to export the selected resource

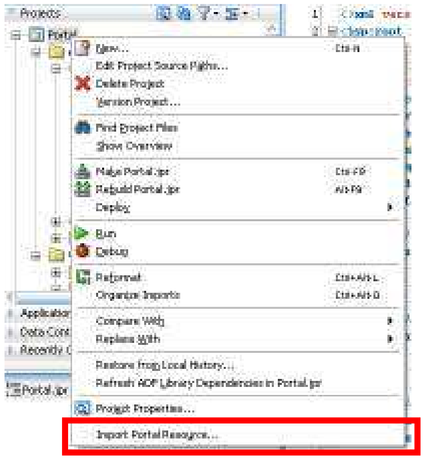
Export Archive File Name:

D:\TEMP\resources\CorporateTemplate.ear

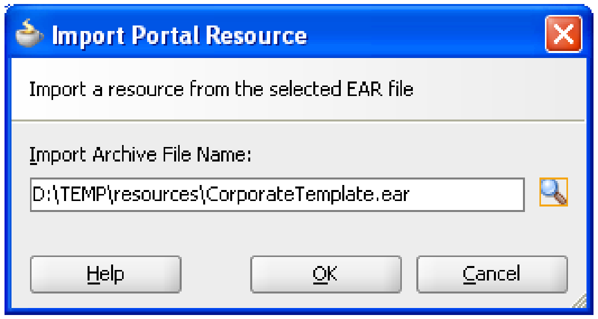
[✓] Include Content Directory

Page Template as Portal Resource: Importing a Resource

1. Menu on the project



2. Provide location (EAR file)



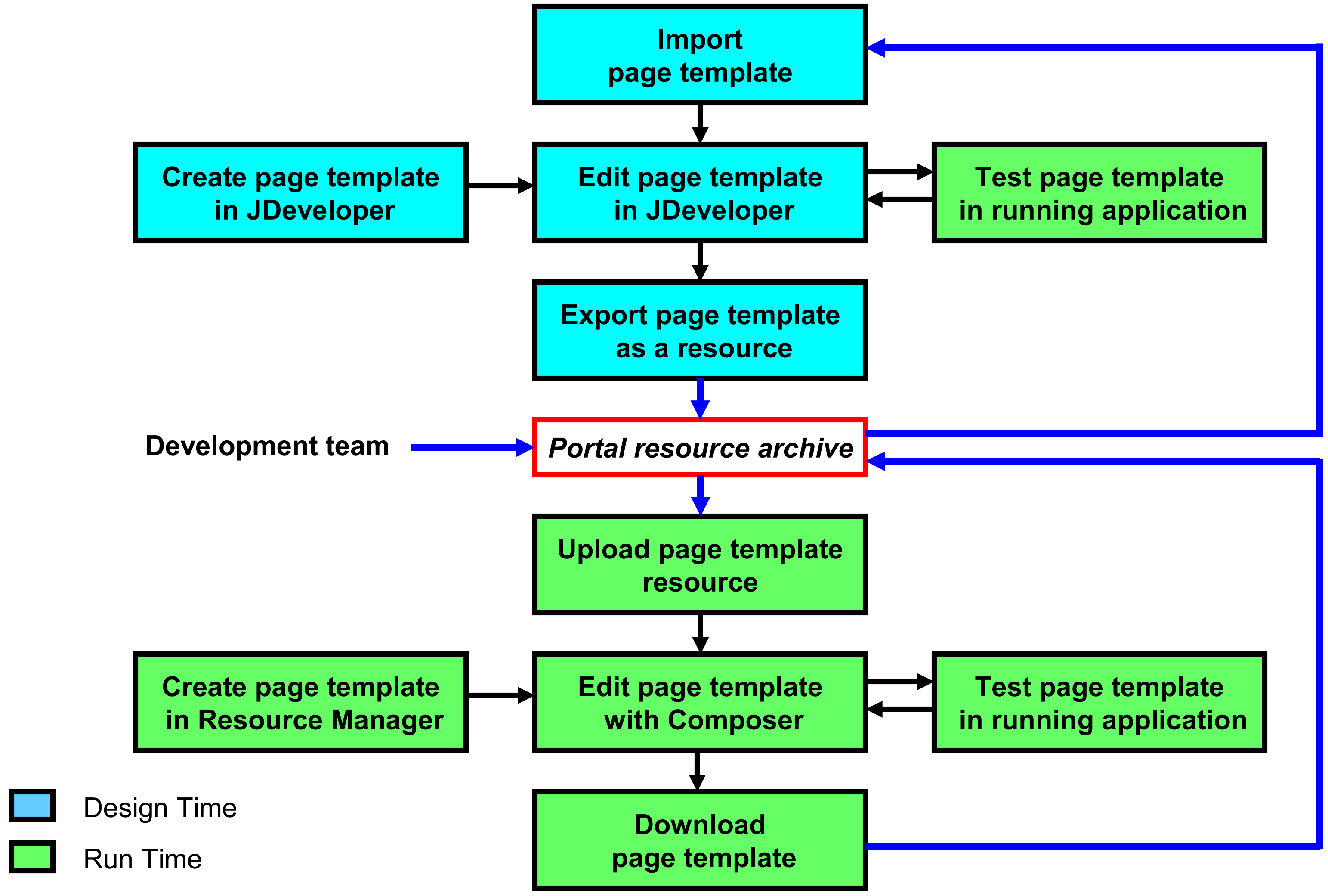
Import a resource from the selected EAR file

Import Archive File Name:

D:\TEMP\resources\CorporateTemplate.ear

After importing a page template, you need to edit
`pagetemplate-metadata.xml`
to register the newly imported template for JDeveloper.

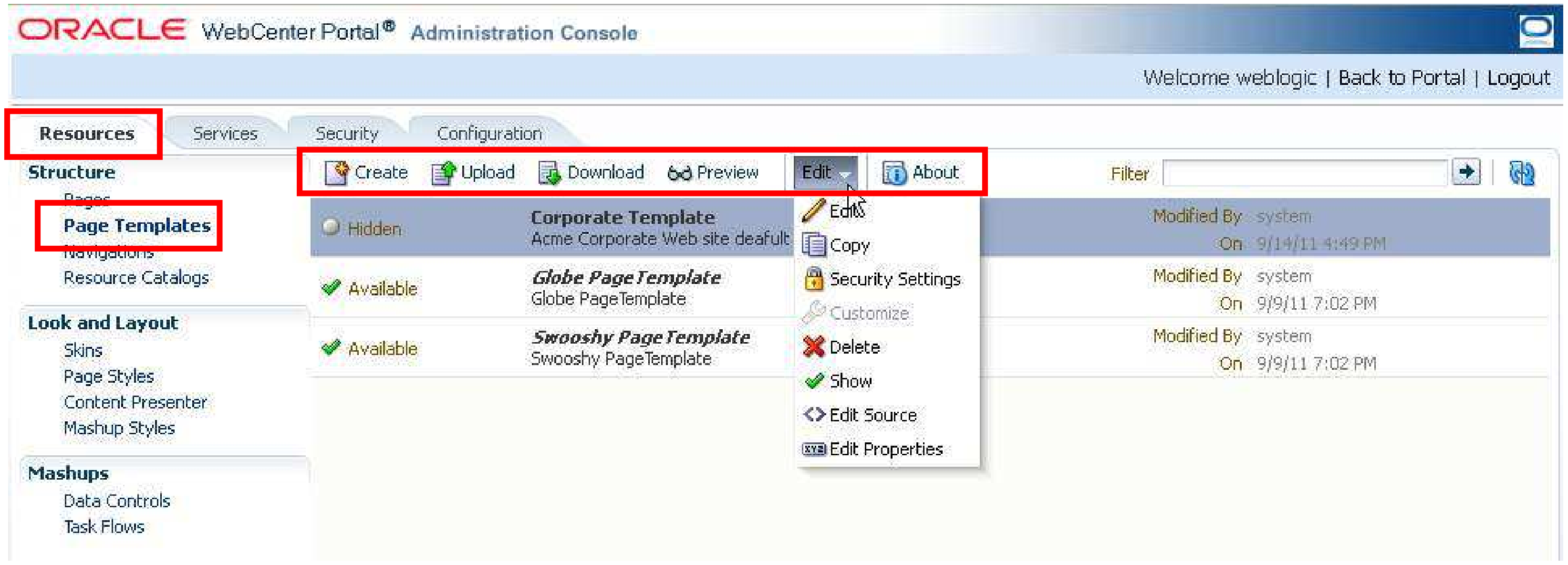
Round-Trip Development Process for Page Templates


Import page template
Create page template in JDeveloper
Edit page template in JDeveloper
Test page template in running application
Export page template as a resource
Development team
Portal resource archive
Upload page template resource
Create page template in Resource Manager
Edit page template with Composer
Test page template in running application
Download page template
Design Time
Run Time

Working with Templates at Run Time

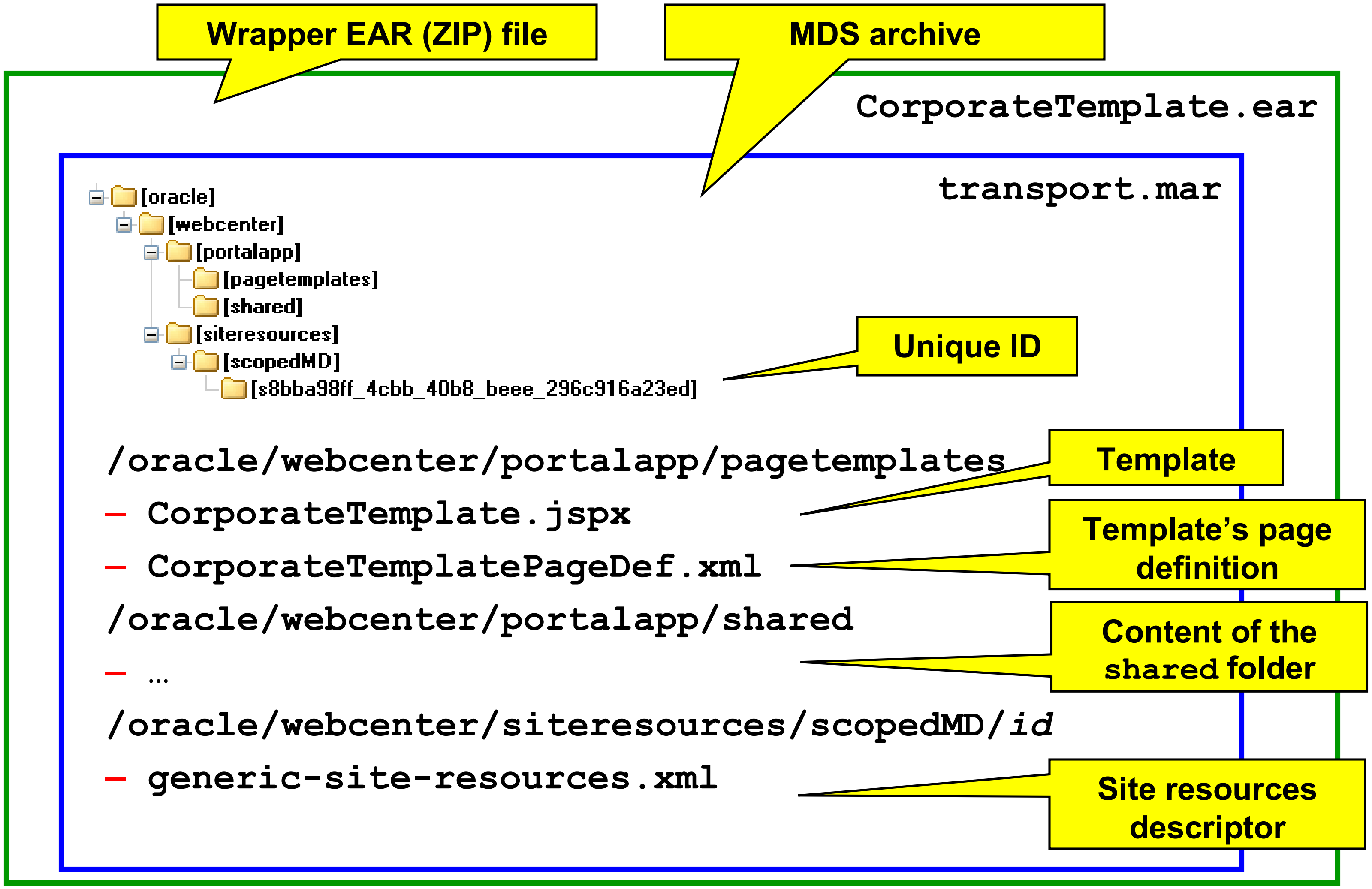
Use: Administration > Resources > Page Templates

- Create, Upload, Copy
- Delete
- Download
- Edit, Edit Source, Edit Properties, Show



Hidden	**Corporate Template** Acme Corporate Web site deafult	Modified By system On 9/14/11 4:49 PM
✓ Available	***Globe Page Template*** Globe PageTemplate	Modified By system On 9/9/11 7:02 PM
✓ Available	***Swooshy Page Template*** Swooshy PageTemplate	Modified By system On 9/9/11 7:02 PM

Page Template Resource Archive



```
/oracle/webcenter/portalapp/pagetemplates
– CorporateTemplate.jspx
– CorporateTemplatePageDef.xml
/oracle/webcenter/portalapp/shared
– …
/oracle/webcenter/siteresources/scopedMD/id
– generic-site-resources.xml
```

Template Content Tips (1)

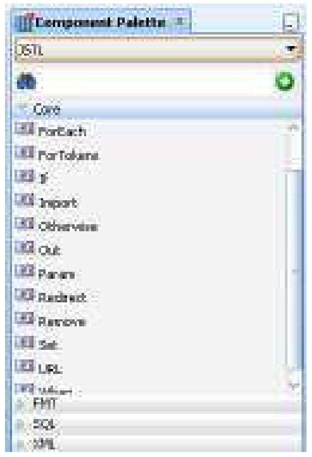
- Use CSS or JavaScript
  - Embedded in the template

    ```
    <af:resource type="css"> … </af:resource>
    <af:resource type="javascript"> … </af:resource>
    ```
  - Add CSS to the skin
  - Use external files

    ```
    <af:resource type="css" source="url" />
    <af:resource type="javascript" source="url" />
    ```
- Use JavaSever Pages Standard Tag Library
  - Add namespace

    ```
    xmlns:c="http://java.sun.com/jsp/jstl/core"
    ```
  - Add source

    ```
    <c:if test="…"> … </c:if>
    ```
  - Drag from Component Palette



Template Content Tips (2)

- Use variables

```
<c:set var="contextRoot"
   value="${facesContext.externalContext.requestContextPath}"
   scope="session"/>
<af:goLink id="home"
   destination="/#{contextRoot}/spaces/
                     #{spaceContext.currentSpaceName}" >
```

- Conditional display
  - ADF tags, use **`rendered`** attribute
  - Other tags, surround with conditional JSTL tags

```
<c:if test="…"> … </c:if>
<c:choose>
  <c:when test="…"> … </c:when>
  <c:otherwise> … </c:otherwise>
</c:choose>
```

Template Content: Use Additional Files

Page template might refer to external files: images, JavaScript, CSS.

- Deploy separately, use fix context root
- Deploy together with the application
  - Place under the context root
  - Use PortalWebAssets project
  - Does not work with packaged resources
- Use the **`/oracle/webcenter/portalapp/shared`** folder
  - Shared folder content packed into the resource archive
  - In PS3, PS4, only images files are accessible
  - In PS5, you can use other file types, for example CSS or JavaScript; you can use folder hierarchy

Editable Templates

A page template can be edited at run time if it contains editable components.

Panel Customizable

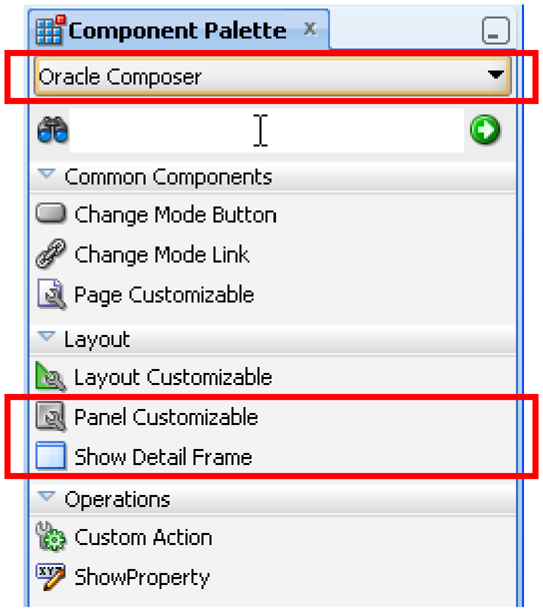
- Container with horizontal or vertical layout
- Holds other components

Show Detail Frame

- Chrome for an actual component
- Add actions, like show, hide, move
- Enables editing the frame or the embedded component properties

Editable Templates: Design Time

- Add from the Oracle Composer component group
- Must not add Page Customizable
- Add at least one Panel Customizable
- Add ADF components surrounded by Show Detail Frame
  - Output Text
  - Rich Text Editor
  - Go Image Link
  - Go Link
  - …



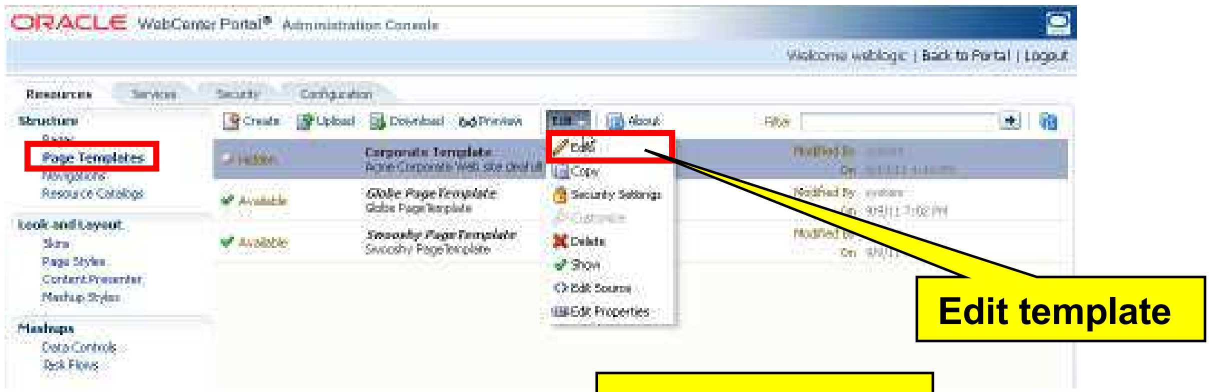
Editable Templates: Source Example

```
<cust:panelCustomizable id="pt_pc2">
  <cust:showDetailFrame id="pt_sdf1"
        text="HTML Fragment"
        displayHeader="#{changeModeBean.inEditMode}"
        showMinimizeAction="none"
        showResizer="never"
        stretchContent="false">
    <f:attribute name="sdf_selection_rule"
                 value="sdf_for_edit_mode_only"/>
    <af:outputText id="pt_ot3" value="Any HTML fragment" />
  </cust:showDetailFrame>
  <cust:showDetailFrame id="pt_sdf2"
                        text="Rich Text" … >
    <af:richTextEditor label="Label 1" id="pt_rte1"
        contentStyle="width:100%" clientComponent="true"
        simple="true" toolboxLayout="font formatCommon color list"/>
  </cust:showDetailFrame>
</cust:panelCustomizable>
```

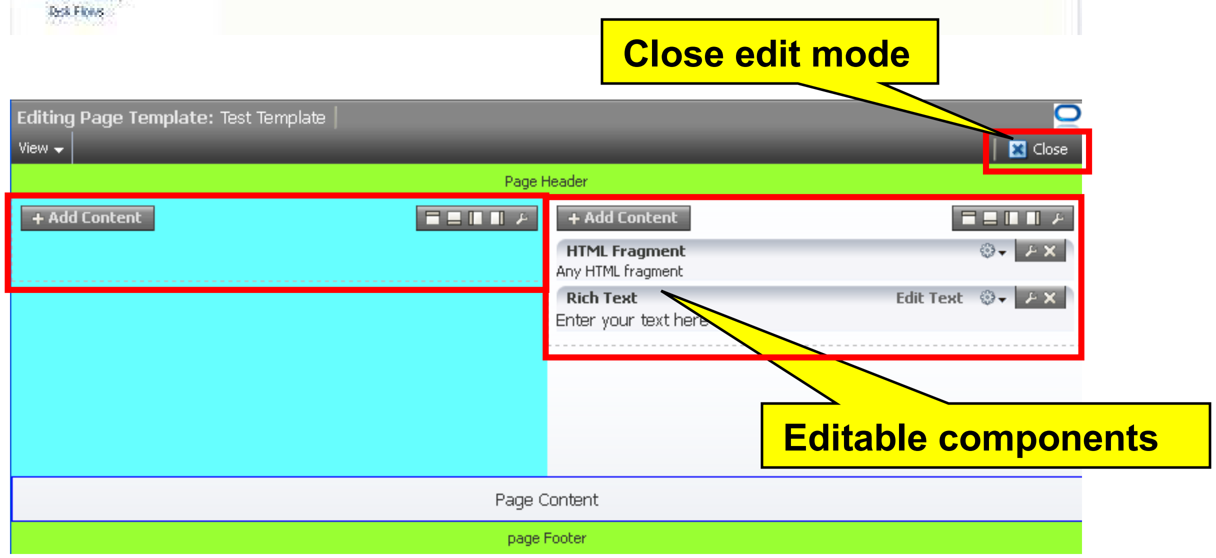
1. Add Panel Customizable
2. Wrap components into Show Detail Frame
3. Set this attribute that Show Detail Frame will customize the embedded component
4. Use ADF component, Output Text
5. Rich Text Editor component No need for the attribute here

Editing Templates at Run Time

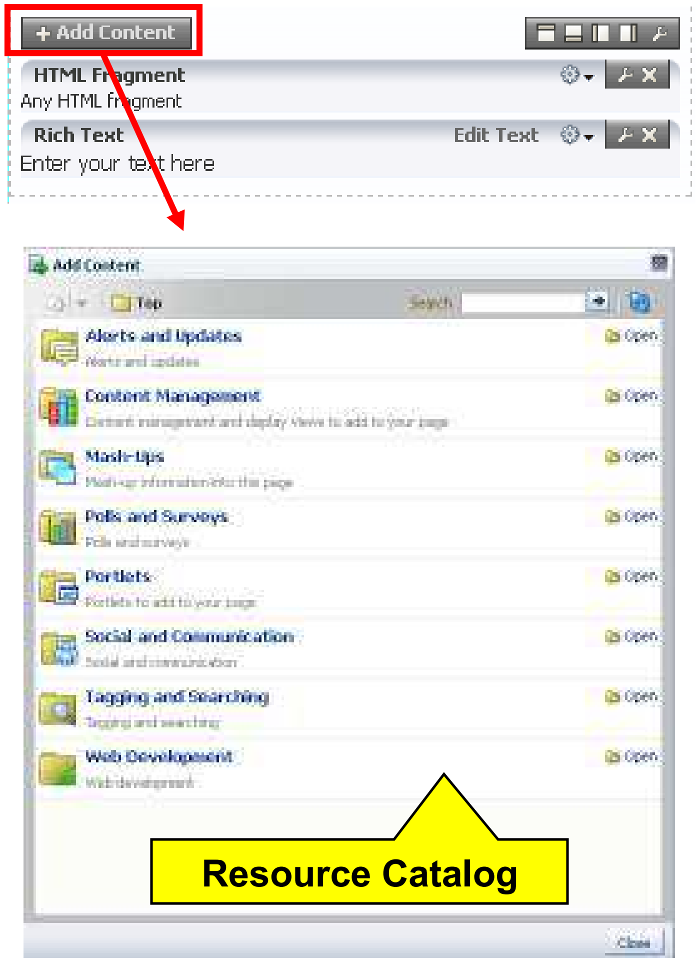
- Resource Manager



- Composer



Editing Templates: Run-Time Example



HTML Fragment
Any HTML fragment

Rich Text
Enter your text here

Alerts and Updates
Alerts and updates

Content Management
Content management and display Views to add to your page

Mash-Ups
Mash-up information into the page

Polls and Surveys
Polls and surveys

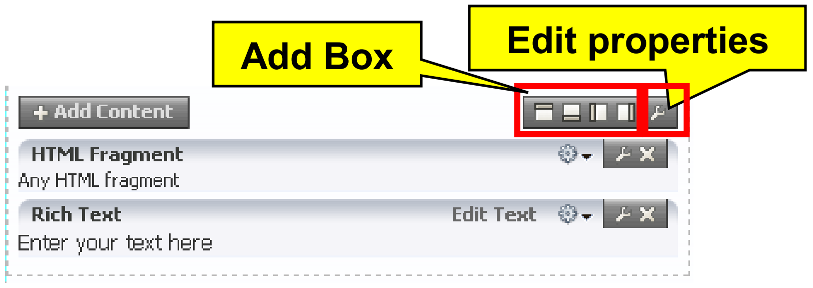
Portlets
Portlets to add to your page

Social and Communication
Social and communication

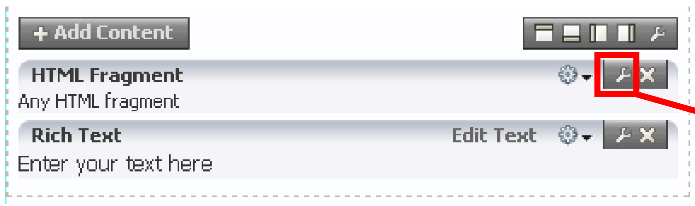
Tagging and Searching
Tagging and searching

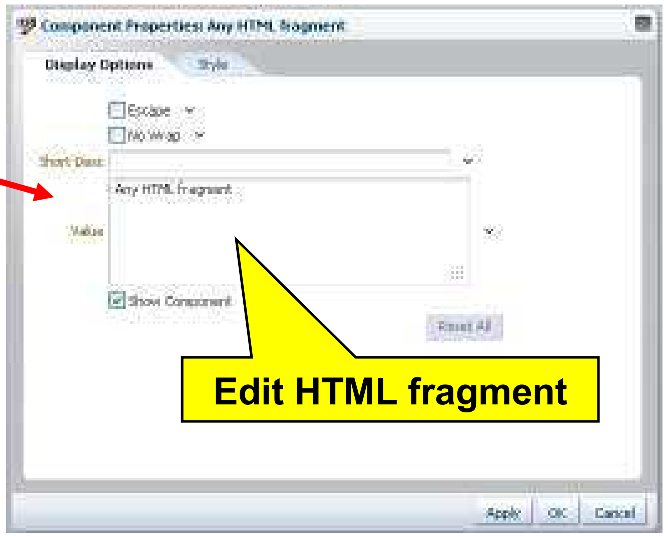
Web Development
Web development

Editing Templates: Run-Time Example

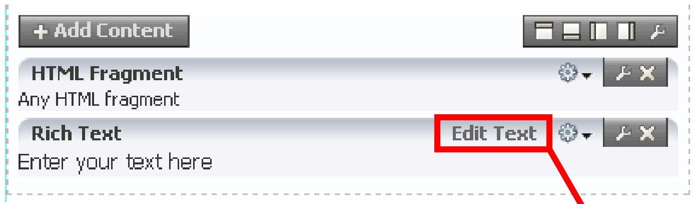


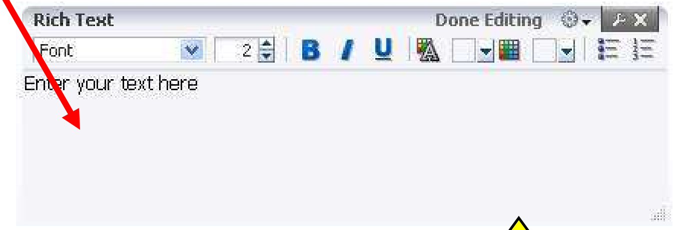
Editing Templates: Run-Time Example





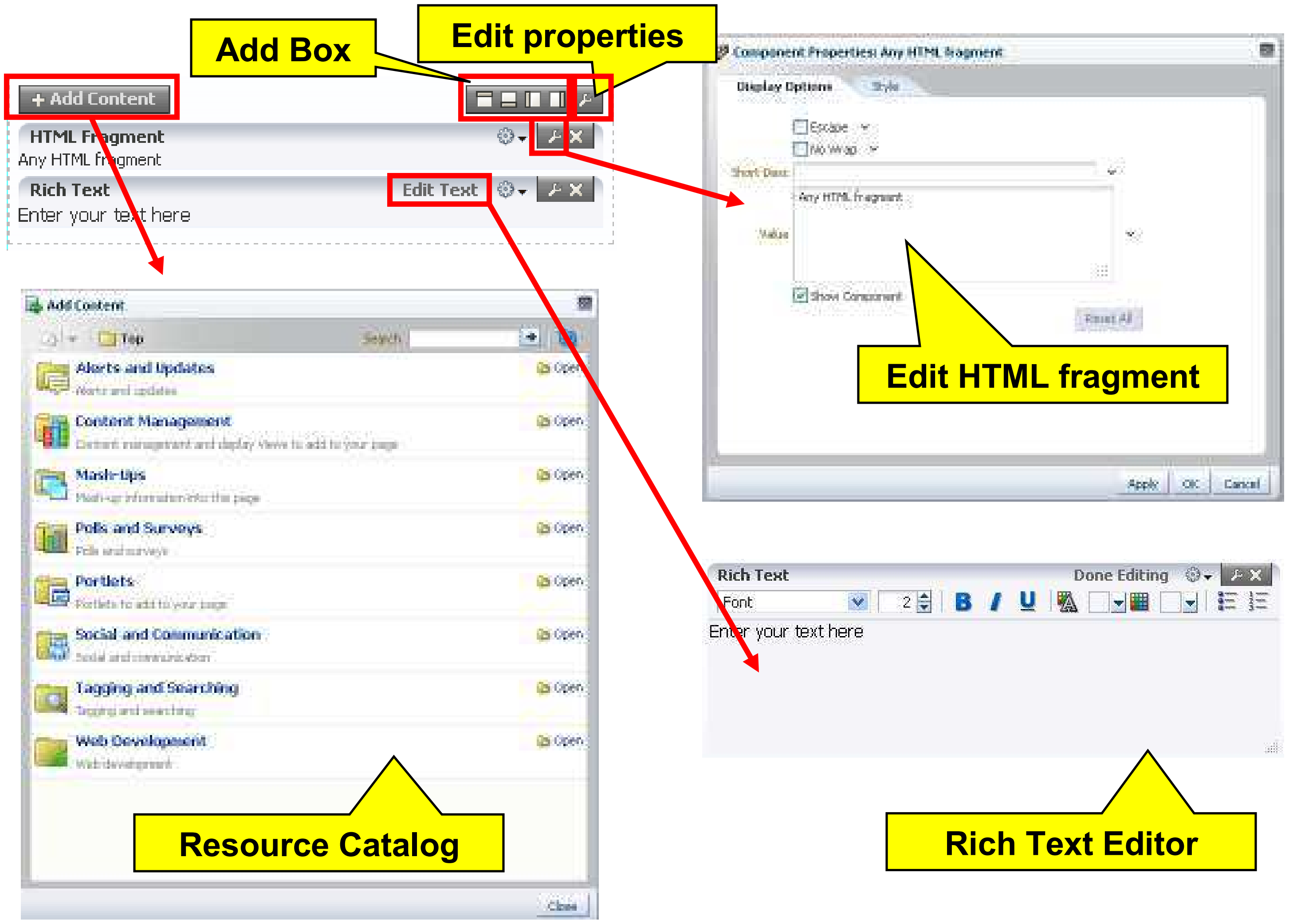
Editing Templates: Run-Time Example





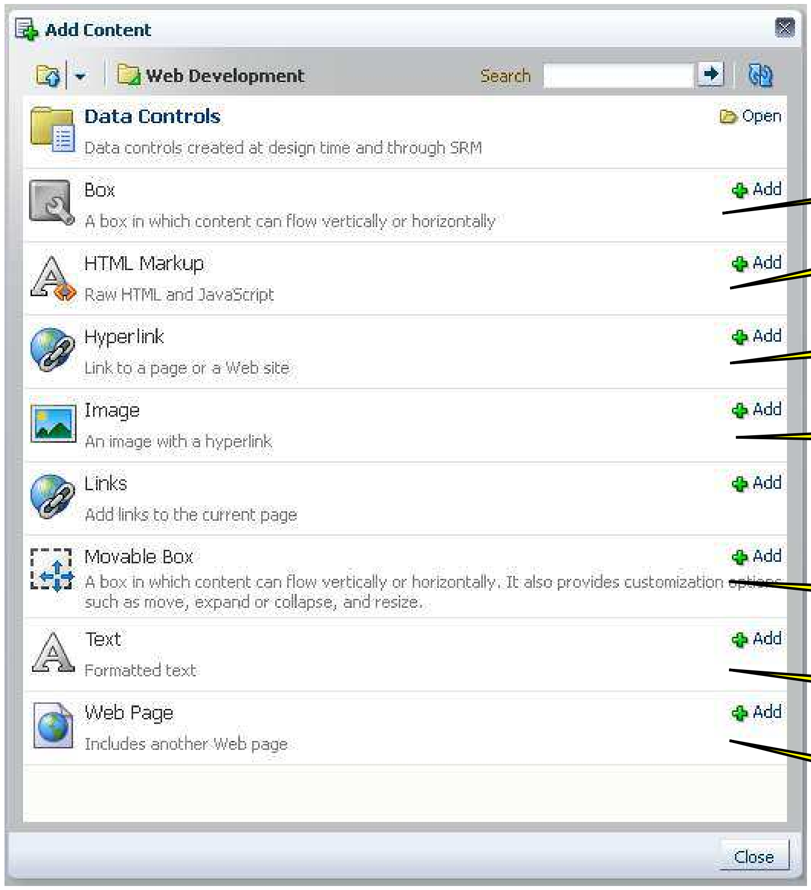
Rich Text Editor

Editing Templates: Run-Time Example



Editable Templates: Resource Catalog

Web development components


Add Content

Web Development Search

Data Controls Open

Data controls created at design time and through SRM

Box Add

A box in which content can flow vertically or horizontally

HTML Markup Add

Raw HTML and JavaScript

Hyperlink Add

Link to a page or a Web site

Image Add

An image with a hyperlink

Links Add

Add links to the current page

Movable Box Add

A box in which content can flow vertically or horizontally. It also provides customization options such as move, expand or collapse, and resize.

Text Add

Formatted text

Web Page Add

Includes another Web page

Close

Panel Customizable

Output Text

Go Link

Go Image Link

Show Detail Frame

Rich Text Editor

Inline Frame

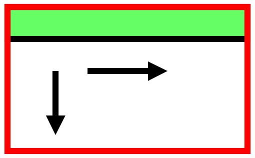
Page Layout

The biggest challenge in page template design is how to lay out components:

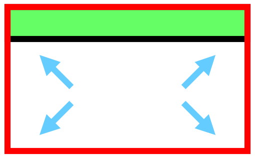
- elements of the template
- page content

There are two basic strategies:

- Flow layout:
  - Components have fixed sizes and are arranged side by side.
  - If necessary, the browser displays scroll bar(s).

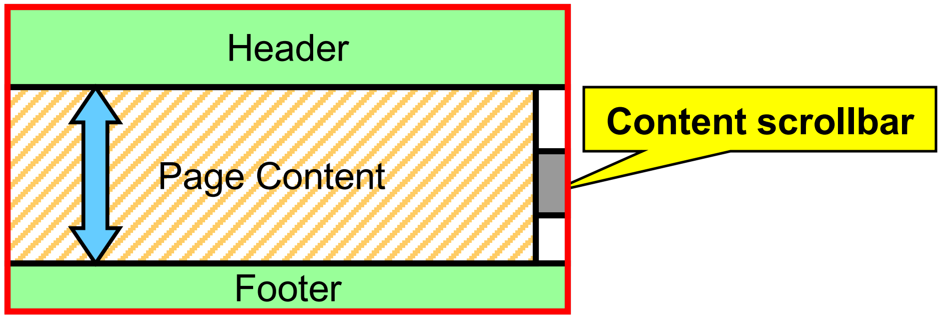


- Stretch layout:
  - Components will be stretched to occupy the available space on the page.
  - If necessary, individual components may have scroll bars.

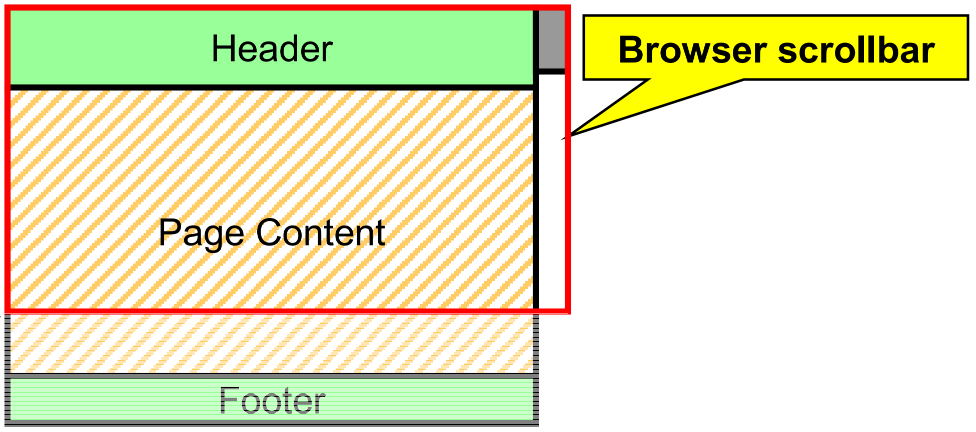


Page Template Layout: Vertical Behavior

- Stretching:
  - Header & footer always visible
  - Height of the page is determined by the browser window
  - Content stretched vertically
  - Content might have scroll bar

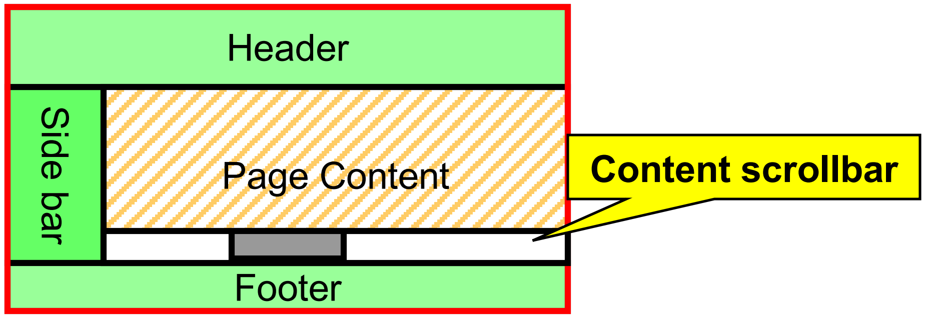


- Flowing:
  - Content never stretched vertically
  - Height of the page is calculated based on the components
  - Browser might display scroll bar
  - Header and/or footer not necessarily visible

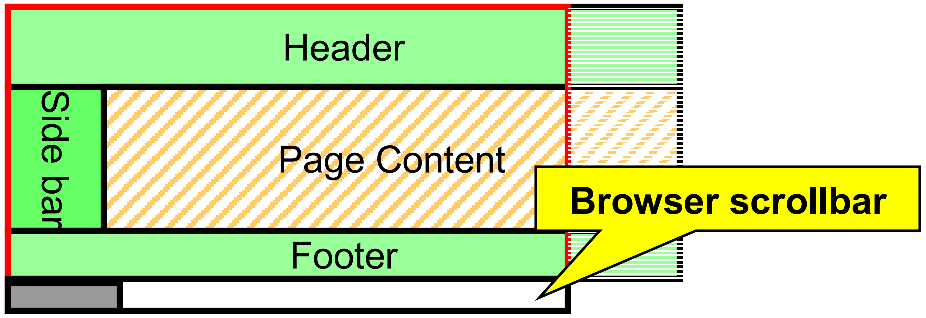


Page Template Layout: Horizontal Behavior

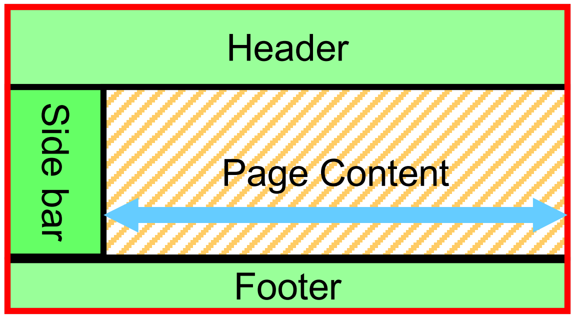
- Stretching
  - Content stretched horizontally
  - Content might have scroll bar
  - Other components have fixed width



- Flowing
  - Content width is fixed
  - Browser might show scroll bar



  - Some components might be stretched to fill up existing space



Page Layout Usage

- Majority of web sites use flow-type layout.
- “Application” type web sites prefer stretch-type layout.
- As a template developer, you can control whether the content facet is in a stretching or flowing region of the page.
- Page content must be created taking the layout strategy into consideration.
- Since a page template can be changed dynamically, create pages and design custom components that display properly in stretching and flowing context.
- We recommend using ADF Faces containers to create the layout.

Page Template Layout ADF UI Components (1)

Stretching layouts:

- Build outer structure with containers that can be stretched and stretch its children.
  - **`PanelStretchLayout`**, **`PanelSplitter`**, …
- Create flowing islands.
  - Use **`PanelGroupLayout`** with **`type="scroll"`** or **`type="vertical"`**
    this can be stretched, but will not stretch its children
- You should not embed stretching components inside flowing islands.
- Never try to stretch something vertically when inside of a flowing container. Do not use height with percent unit.

Page Template Layout ADF UI Components (2)

Flowing layouts:

- Use non-stretching containers
  - **`PanelGroupLayout`**, **`PanelBorderLayout`**, …
  - **`PanelBorderLayout`** can be used to approximate HTML table component
- To avoid multiple scroll bars, do not nest scrolling **`PanelGroupLayout`** components. Consider **`type="vertical"`**
- Most stretchable ADF components also work in flowing context with **`dimensionsFrom="auto"`**
- To stretch a component horizontally, use **`styleClass="AFStretchWidth"`** instead of ~~**`inlineStyle="width:100.0%"`**~~

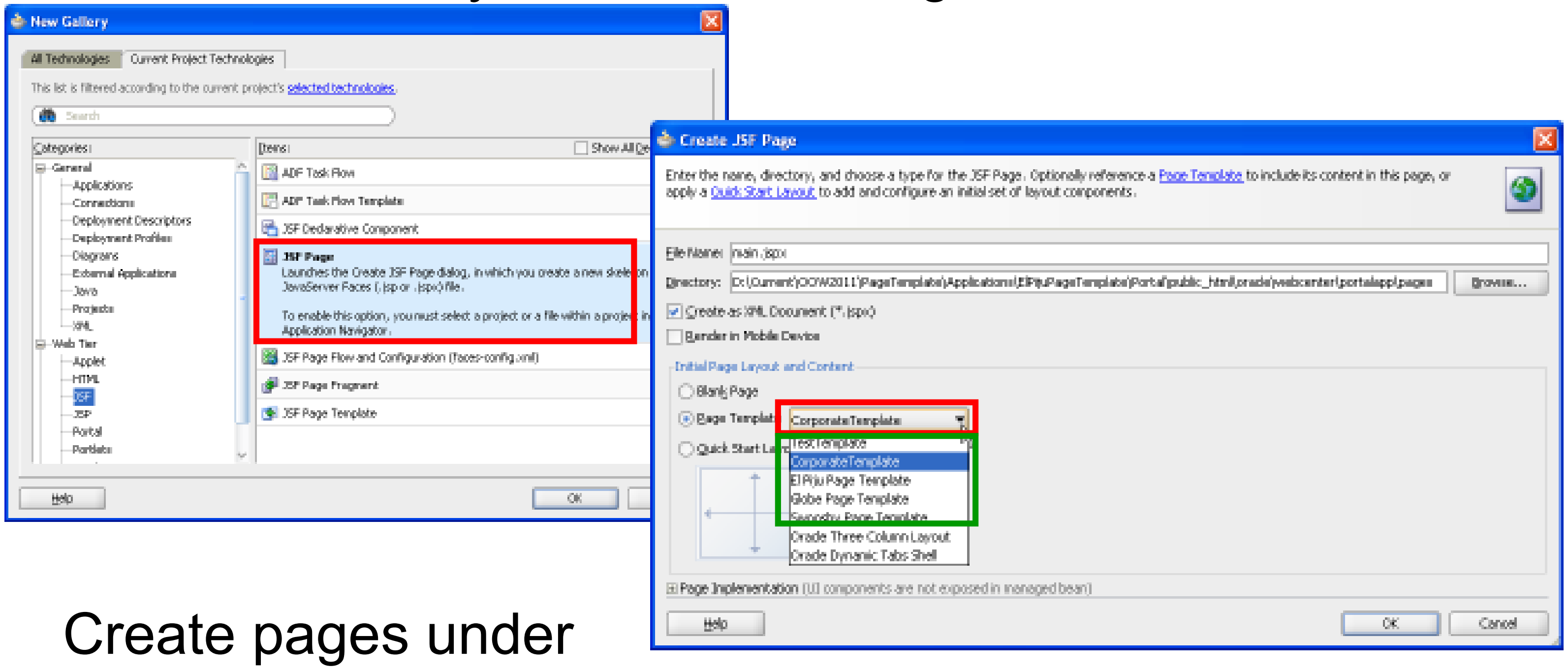
Page Template Layout
ADF UI Components (3)

Customizable components:

- In **`PanelCustomizable`**, use **`layout="auto"`** to detect whether to stretch its children or not.
- In order to support flow and stretch layouts, use **`ShowDetailFrame`** with **`stretchChildren="auto"`**

Creating Pages Using Page Templates: Design Time

- Use New Gallery > JSF > JSF Page



This list is filtered according to the current project's selected technologies.

JSF Page
Launches the Create JSF Page dialog, in which you create a new skeleton JavaServer Faces (.jsp or .jspx) file.

To enable this option, you must select a project or a file within a project in Application Navigator.

Enter the name, directory, and choose a type for the JSF Page. Optionally reference a Page Template to include its content in this page, or apply a Quick Start Layout to add and configure an initial set of layout components.

File Name: main.jspx

Directory: D:\Current\OOW2011\PageTemplate\Applications\ElPijuPageTemplate\Portal\public_html\oracle\webcenter\portalapp\pages

[✓] Create as XML Document (*.jspx)

[ ] Render in Mobile Device

Page Template: CorporateTemplate

Page Implementation (UI components are not exposed in managed bean)

- Create pages under **`/oracle/webcenter/portalapp/pages`**
- Choose page template
- Find available templates in **`pagetemplate-metadata.xml`**

Creating Pages Using Page Templates: Page Source

- *main*.jspx

```
<af:form id="f1">
  <af:pageTemplate id="pt1"
      viewId="/oracle/webcenter/portalapp/pagetemplates/CorporateTemplate.jspx"
      value="#{bindings.pageTemplateBinding}">
    <f:attribute name="contentWidth" value="1000px"/>
    <f:facet name="content"/>
  </af:pageTemplate>
</af:form>
```

Template file

Override template attribute

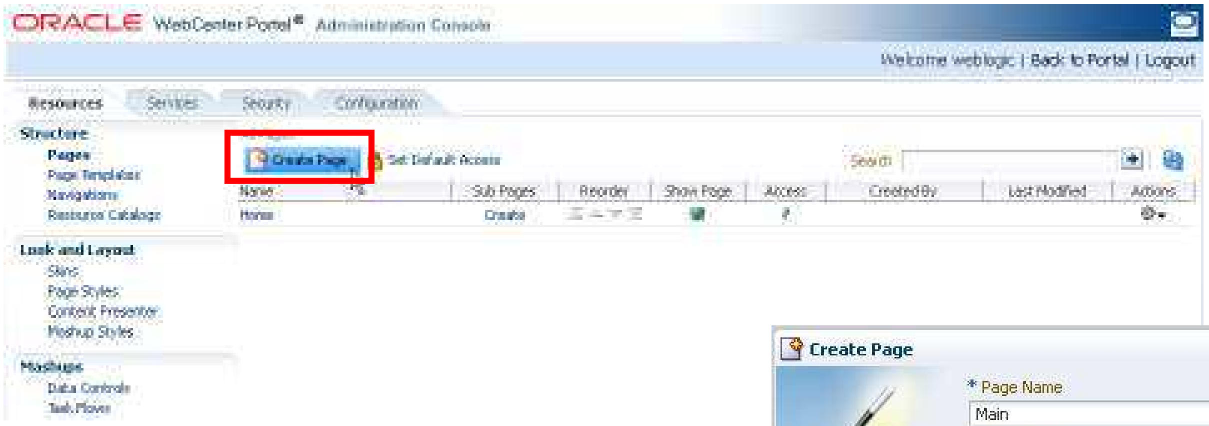
- *main*PageDef.xml

Template page definition

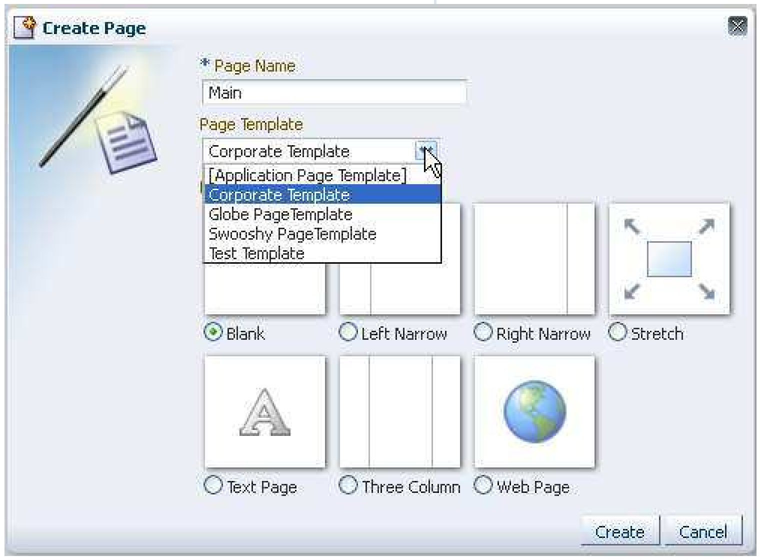
```
<executables>
  <variableIterator id="variables"/>
  <page path="oracle.webcenter.portalapp.pagetemplates.CorporateTemplatePageDef"
        id="pageTemplateBinding" Refresh="ifNeeded"/>
</executables>
```

Creating Pages Using Page Templates: Run Time

- Use Administration > Resources > Pages > Create Page



- Choose page template
- Choose page style



* Page Name: Main

Page Template: Corporate Template

[✓ Blank]

Agenda

- Working with Page Templates
- Page Templates for WebCenter Portal Framework Applications
- Page Templates for WebCenter Portal: Spaces

Default Page Template

- There is a preference bean that stores default values for the application UI.
  - Page Template
  - Navigation Model, Resource Catalog, Skin
  - others
- To use the default template, change the source of the page.
  - *main*.jspx

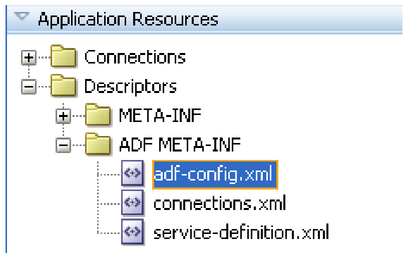
```
<af:pageTemplate id="pt1"
    value="#{bindings.pageTemplateBinding.templateModel}">
```

  - *main*PageDef.xml

```
<page path="${preferenceBean.defaultPageTemplate}"
        id="pageTemplateBinding" Refresh="ifNeeded"/>
```

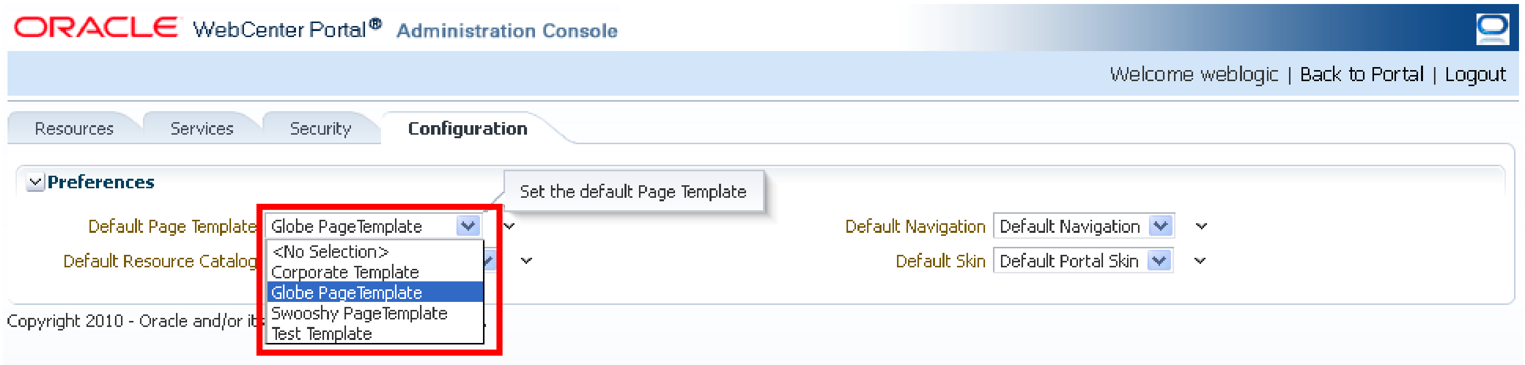
Default Page Template: Setting the Default Template

- Design time: edit **`adf-config.xml`**



```
<portal:preference
   id="oracle.webcenter.portalapp.pagetemplate.pageTemplate"
   desc="Default Page Template"
   value="/oracle/webcenter/portalapp/pagetemplates/CorporateTemplate.jspx"
   resourceType="Template" display="true"/>
```

- Run time: Administration > Configuration

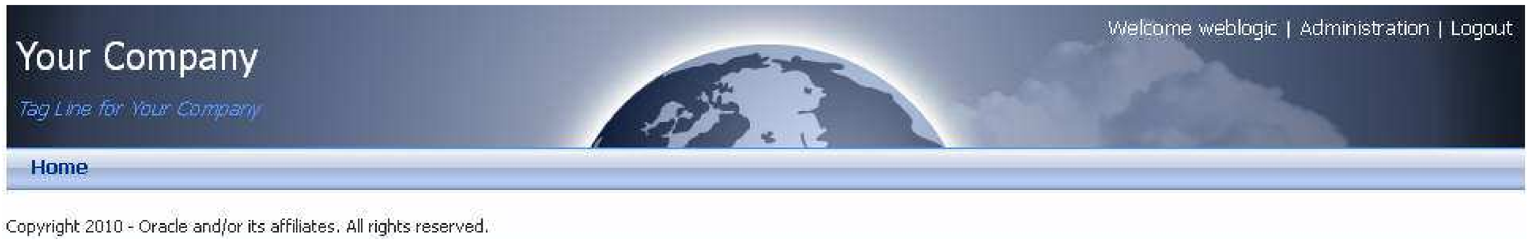

ORACLE WebCenter Portal® Administration Console
Welcome weblogic | Back to Portal | Logout
Resources
Services
Security
Configuration
Preferences
Set the default Page Template
<No Selection>
Corporate Template
Globe PageTemplate
Swooshy PageTemplate
Test Template
Copyright 2010 - Oracle and/or it

Default Page Template: Globe PageTemplate
Default Resource Catalog:
Default Navigation: Default Navigation
Default Skin: Default Portal Skin

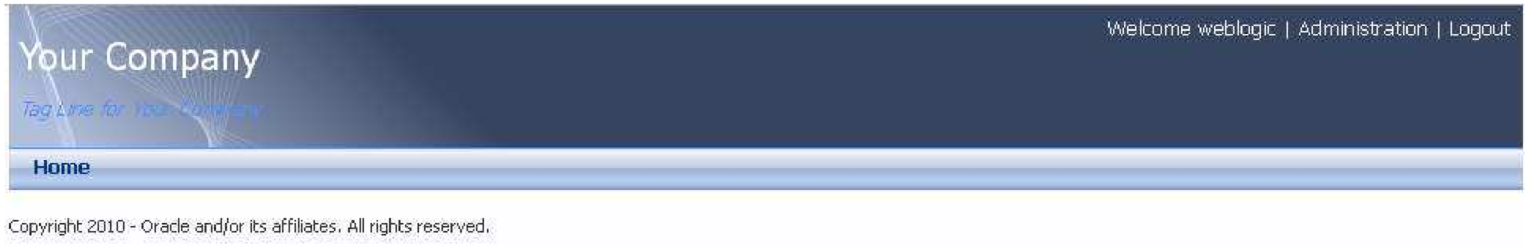
Out-of-the-Box Templates

A WebCenter Portal application has two OOTB page templates:

- Globe: **`pageTemplate_globe.jspx`**


Your Company
Tag Line for Your Company
Welcome weblogic | Administration | Logout
Home
Copyright 2010 - Oracle and/or its affiliates. All rights reserved.

- Swooshy: **`pageTemplate_swooshy.jspx`**


Your Company
Tag Line for Your Company
Welcome weblogic | Administration | Logout
Home
Copyright 2010 - Oracle and/or its affiliates. All rights reserved.

Out-of-the-Box Templates: Template Attributes

Name	Type	Default
`contentWidth`	String	`960px`
`showNavigation`	Boolean	`true`
`showGreetings`	Boolean	`#{securityContext.authenticated}`
`showLogin`	Boolean	`true`
`showAdmin`	Boolean	`#{securityContext.authenticated}`
`isAdminPage`	Boolean	`false`
`isEditingTemplate`	Boolean	`false`

Out-of-the-Box Templates: Template Attributes (continued)

- In OOTB **`login.jspx`**, **`error.jspx`**
  `showNavigation` = **`false`**, **`showLogin`** = **`false`**
- In built-in administration pages
  `isAdminPage` = **`true`**
- When editing the template, Resource Manager sets
  `isEditingTemlate` = **`true`**

Use these attributes in your custom application template if the template will be used as default template or you intend to use the OOTB login page.

Hiding the Template from Page Editing

Hide the template content, ***except the facet reference***, when editing the page.

- For example, use the rendered attribute:

```
rendered = "#{!composerContext.inEditMode or attrs.isEditingTemplate}"
```

```
<af:panelGroupLayout id="…" layout="vertical" halign="center" … >
  <af:panelGroupLayout id="…" … inlineStyle="width:#{attrs.contentWidth};">
    <af:panelBorderLayout id="headerRow" rendered="…">…</af:panelBorderLayout>
    <af:panelGroupLayout id="bodyRow" layout="horizontal" valign="top" …>
       <af:panelGroupLayout id="contentCell" layout="vertical" valign="top"
             styleClass="AFStretchWidth">
           <af:facetRef facetName="content"/>
       </af:panelGroupLayout>
    </af:panelGroupLayout>
    <af:panelBorderLayout id="footerRow" rendered="…">…</af:panelBorderLayout>
  </af:panelGroupLayout>
</af:panelGroupLayout>
```

Content facet not hidden

- Essential only when the template has editable components

Login/Logout

- Use ADF security – redirect to login page

```
<af:goLink id="pt_glnk3" text="Login"
    destination="/adfAuthentication?success_url=/"
    rendered="#{!securityContext.authenticated}"/>
<af:goLink id="pt_glnk4" text="Logout"
    destination="/adfAuthentication?logout=true&amp;end_url=/"
    rendered="#{securityContext.authenticated}"/>
```

- Use utility Java Bean: **`o_w_s_l_LoginBackingBean`**
  - Set attributes: **`username`**, **`password`**
  - Invoke methods: **`doLogin`**, **`doLogout`**

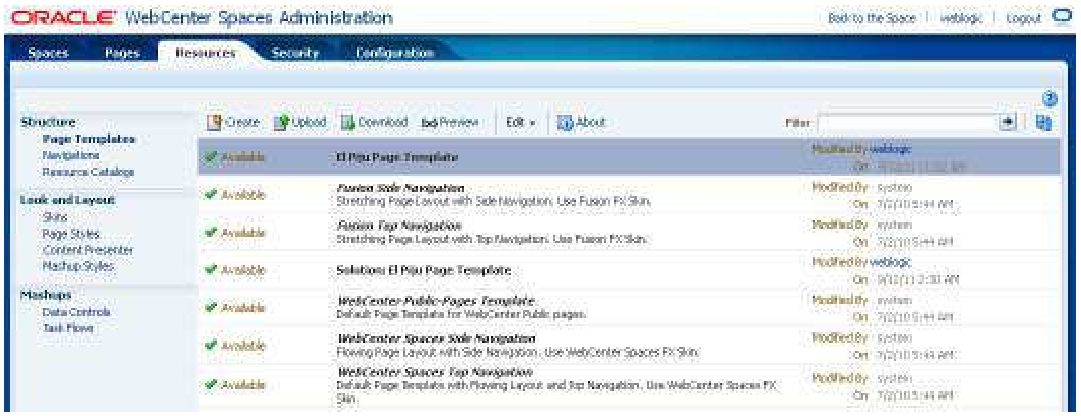
```
<af:commandLink id="pt_logincb" text="Login"
    action="#{o_w_s_l_LoginBackingBean.doLogin}"
    rendered="#{!securityContext.authenticated}"/>
<af:commandLink id="pt_glnk4" text="Logout"
    action="#{o_w_s_l_LoginBackingBean.doLogout}"
    rendered="#{securityContext.authenticated}"/>
```

Agenda

- Working with Page Templates
- Page Templates for WebCenter Portal Framework Applications
- Page Templates for Oracle WebCenter Portal: Spaces

Run-Time Resource Management

Global templates:



ORACLE WebCenter Spaces Administration

Back to the Space | weblogic | Logout

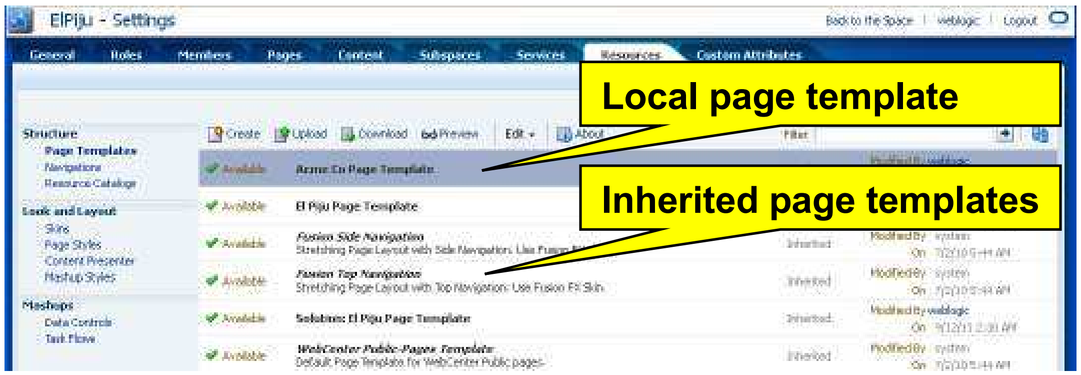
Spaces | Pages | Resources | Security | Configuration

Structure: Page Templates, Navigations, Resource Catalogs
Look and Layout: Skins, Page Styles, Content Presenter, Mashup Styles
Mashups: Data Controls, Task Flows

Create | Upload | Download | Preview | Edit | About | Filter:

Available	El Piju Page Template	Modified By weblogic On [illegible]
Available	*Fusion Side Navigation* Stretching Page Layout with Side Navigation. Use Fusion FX Skin.	Modified By system On 7/2/10 5:44 AM
Available	*Fusion Top Navigation* Stretching Page Layout with Top Navigation. Use Fusion FX Skin.	Modified By system On 7/2/10 5:44 AM
Available	Solutions El Piju Page Template	Modified By weblogic On 9/12/11 2:30 AM
Available	*WebCenter Public-Pages Template* Default Page Template for WebCenter Public pages.	Modified By system On 7/2/10 5:44 AM
Available	*WebCenter Spaces Side Navigation* Flowing Page Layout with Side Navigation. Use WebCenter Spaces FX Skin.	Modified By system On 7/2/10 5:44 AM
Available	*WebCenter Spaces Top Navigation* Default Page Template with Flowing Layout and Top Navigation. Use WebCenter Spaces FX Skin.	Modified By system On 7/2/10 5:44 AM

Space templates:



ElPiju - Settings

Back to the Space | weblogic | Logout

General | Roles | Members | Pages | Content | Subspaces | Services | Resources | Custom Attributes

Structure: Page Templates, Navigations, Resource Catalogs
Look and Layout: Skins, Page Styles, Content Presenter, Mashup Styles
Mashups: Data Controls, Task Flows

Create | Upload | Download | Preview | Edit | About | Filter:

Available	Acme Co Page Template		Modified By weblogic
Available	El Piju Page Template		
Available	*Fusion Side Navigation* Stretching Page Layout with Side Navigation. Use Fusion FX Skin.	Inherited	Modified By system On 7/2/10 5:44 AM
Available	*Fusion Top Navigation* Stretching Page Layout with Top Navigation. Use Fusion FX Skin.	Inherited	Modified By system On 7/2/10 5:44 AM
Available	Solutions: El Piju Page Template	Inherited	Modified By weblogic On 9/12/11 2:30 AM
Available	*WebCenter Public-Pages Template* Default Page Template for WebCenter Public pages.	Inherited	Modified By system On 7/2/10 5:44 AM

– Global templates inherited in a space
– Template created in JDeveloper uploads as global template

Out-of-the-Box Templates PS5 (11.1.1.6.0)

In PS5 release, new OOTB page templates will be introduced:

Flowing layout:

- Top Navigation
- Side Navigation
- Collaborative with Top Navigation
- Portal-Centric with Top Navigation

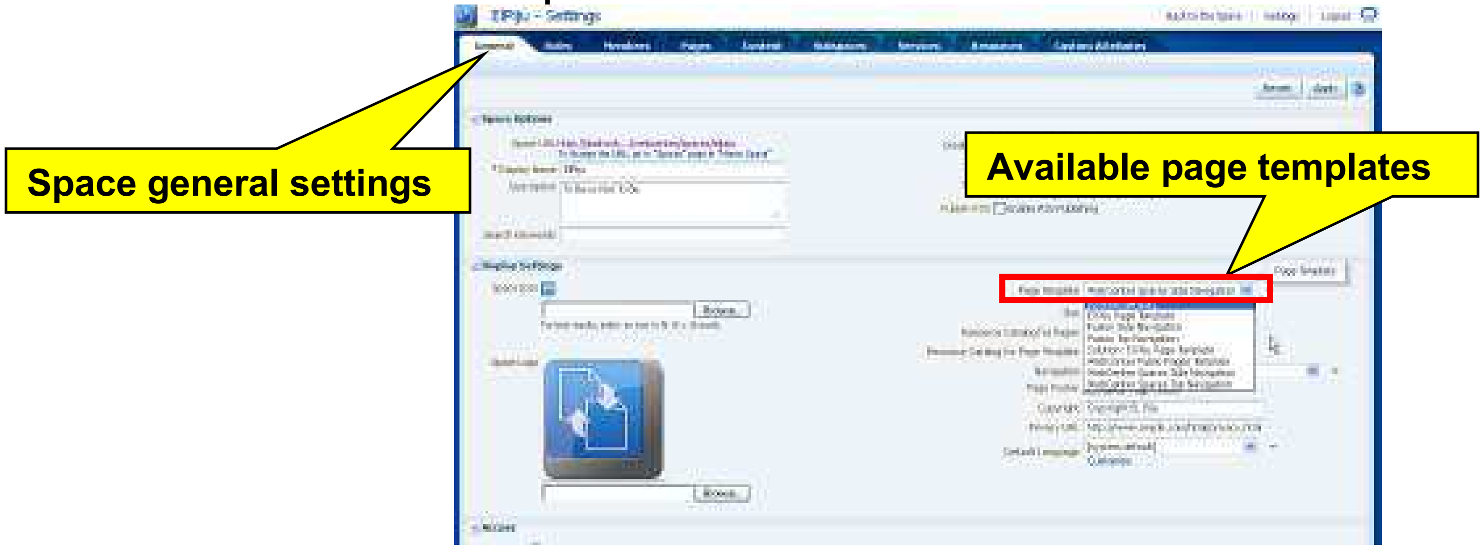
Stretching Layout:

- Top Navigation (Stretch)
- Side Navigation (Stretch)
- Fusion Side Navigation
- Fusion Top Navigation
- Public Pages Template

ORACLE

Creating a Page Using Page Templates

- Pages are created only at run time.
- Pages always use a template defined by Spaces.
  - Defined at application level: Administration > Configuration.
  - Defined in each Space

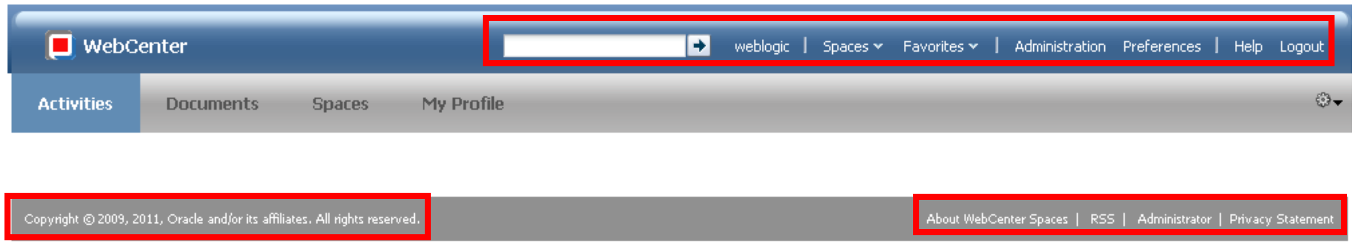


  - Defined in the navigation

Template Content: Spaces Components

Examples

- Login/Logout
- User profile/User preferences
- Edit Page/Create Page/Manage Pages
- Home space
- Spaces Switcher
- Contact Administrator
- Copyright Message, …

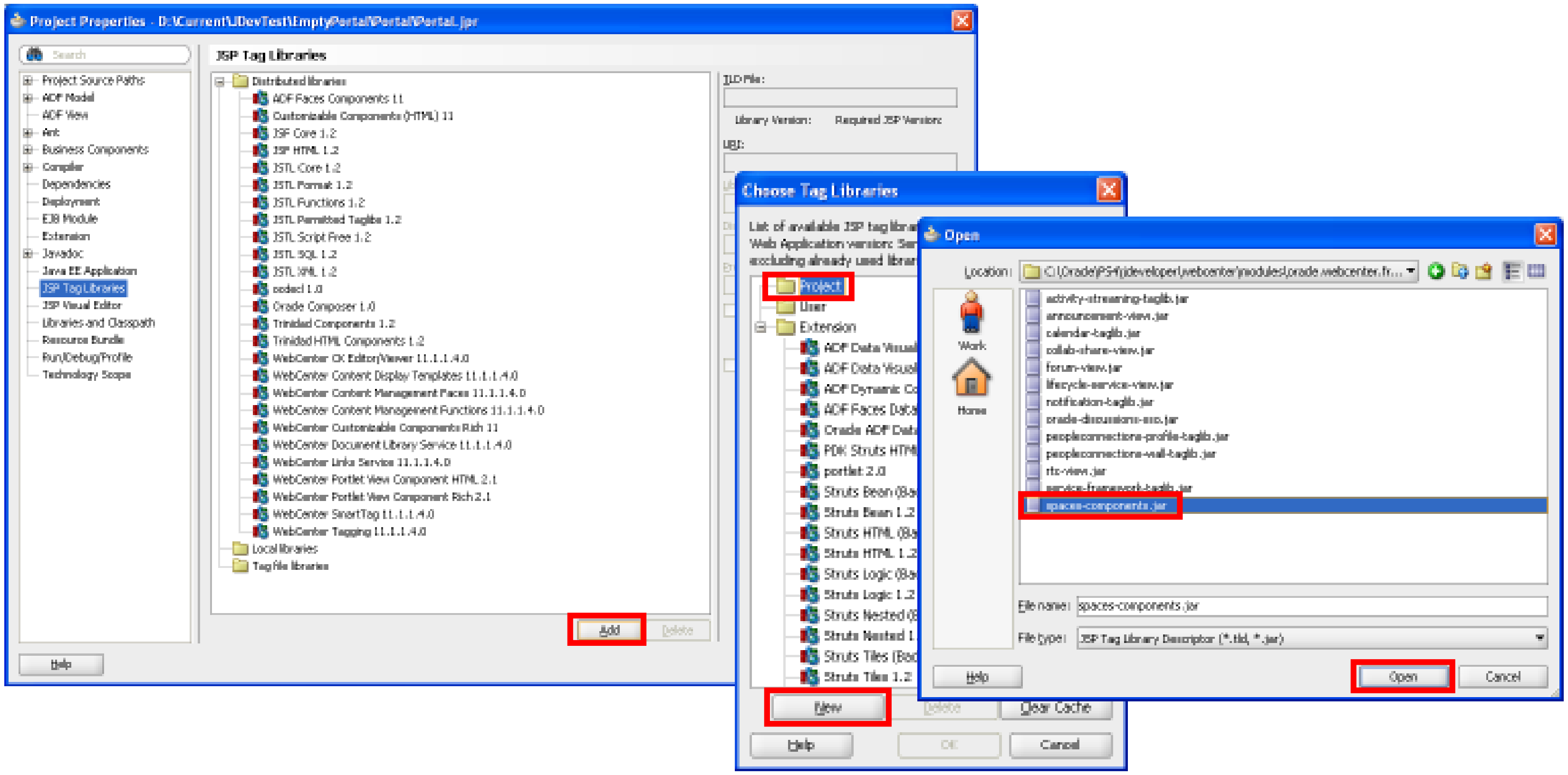

WebCenter
weblogic | Spaces | Favorites | Administration Preferences | Help Logout
Activities Documents Spaces My Profile
About WebCenter Spaces | RSS | Administrator | Privacy Statement

Copyright © 2009, 2011, Oracle and/or its affiliates. All rights reserved.

Spaces Components: Design Time (1)

- Add JSP Library to project:

```
<JDev_HOME>/jdeveloper/webcenter/modules/
   oracle.webcenter.framework_11.1.1/spaces-components.jar
```



Spaces Components: Design Time (2)

- Drop from Spaces Declarative Components

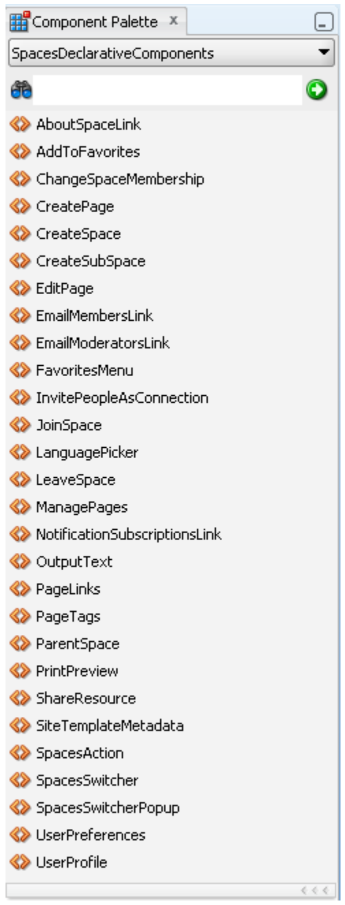
Result in source:

- Added namespace definition

```
xmlns:wcdc=
  "http://xmlns.oracle.com/webcenter/spaces/taglib"
```

- Added tags

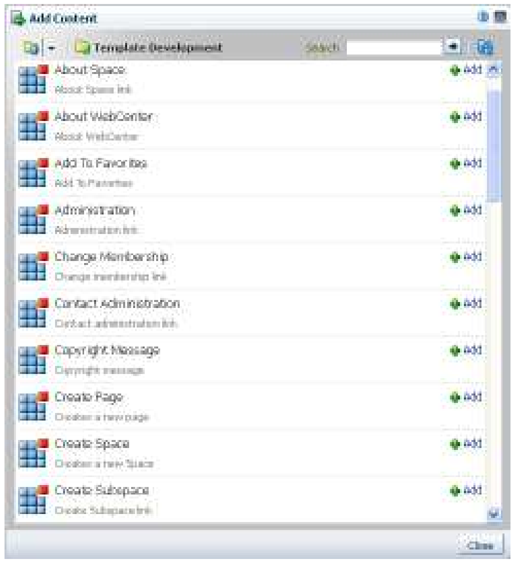
```
<wcdc:spacesAction id="…"
     type="login"  text="Login"/>
<wcdc:spacesAction id="…"
     type="logout" text="Logout"/>
<wcdc:editPage … />
```



AboutSpaceLink
AddToFavorites
ChangeSpaceMembership
CreatePage
CreateSpace
CreateSubSpace
EditPage
EmailMembersLink
EmailModeratorsLink
FavoritesMenu
InvitePeopleAsConnection
JoinSpace
LanguagePicker
LeaveSpace
ManagePages
NotificationSubscriptionsLink
OutputText
PageLinks
PageTags
ParentSpace
PrintPreview
ShareResource
SiteTemplateMetadata
SpacesAction
SpacesSwitcher
SpacesSwitcherPopup
UserPreferences
UserProfile

Spaces Components: Run Time

- Add from Resource Catalog > Template Development



Add Content

Template Development   Search

About Space
About Space link

About WebCenter
About WebCenter

Add To Favorites
Add To Favorites

Administration
Administration link

Change Membership
Change membership link

Contact Administration
Contact administration link

Copyright Message
Copyright message

Create Page
Creates a new page

Create Space
Creates a new Space

Create Subspace
Create Subspace link

Template Content: Miscellanous Tips

- No need to hide the template when editing the page
- Surround template with special tags:

```
<wcdc:siteTemplateMetadata type="start"/>

<wcdc:siteTemplateMetadata type="end"/>
```

- If you use **`wcdc:spacesAction`**, add the following:

```
<af:resource type="javascript">
 function wcNavigate(event) {
   window.location =
     event.getSource().getProperty('wcDestination');
   event.cancel(); }
 function wcLaunchWindow(event) {
   window.open(event.getSource().
     getProperty('wcDestination'));
   event.cancel(); }
 </af:resource>
```

Summary

In this module you should have learned how to:

- Create and use page templates both at design- and run time
- Create an editable page template
- Create a portal resource from an existing page template
- Explain the round-trip development process for page templates
- Describe the differences between page templates for an Oracle WebCenter Portal Framework application and Oracle WebCenter Portal: Spaces