

ORACLE®

ORACLE®

Online Training WebCenter Portal (11.1.1.6) Portal Navigation

WebCenter Product Management / A-Team
27-Sep-2012



Portal Navigation Agenda

- Models
- Security
- Visualization
- Best Practices

Portal Navigation Models

Overview

- Navigation models define structure and metadata
- Navigation models contain elements that are filtered based on security
 - Pages (individual pages, page hierarchies, and page queries)
 - Content (individual content items or results from content query)
 - Components (task flows, portlets, etc.)
 - Structure (folders, separators, etc.)
 - Other navigation models
- Navigation elements support localization via resource bundles

Portal Navigation Models

Development

- Create/Modify navigation models at run time and design time
- Copy the default “seeded” navigation model, or create new ones
- Set default navigation model in the `adf-config.xml`
- Models must be created under the `oracle/webcenter/portalapp` directory

Portal Navigation Models Demo

Scenario

- Start with an existing Portal framework application that contains pages
- Using JDeveloper, create a navigation model for the existing pages

The screenshot shows the JDeveloper IDE interface for editing a navigation model. The title bar indicates the file is 'default-navigation-model.xml'. The main workspace is divided into two panes:

- Navigation Tree:** A tree view showing the structure of the navigation model. The root is 'default-navigation-model', which contains a 'Home Page' link. Below 'Home Page' are three sub-items: 'WebCenterPortal', 'WebCenterContent', 'Dashboard', and 'ContactUs'.
- Link Configuration Panel:** A panel for configuring the selected 'Home Page' link. It includes the following fields:
 - Id:** home
 - Type:** Page
 - Factory Class:** xcenter.portalframework.sitestrucre.rc.AdfPageResourceFactory
 - URL:** page://oracle/webcenter/portalapp/pages/home.jspx
 - Render URL in Page Template:** Default Page Template
 - Redirect to URL:** (unchecked)
 - Visible:** #{true}

Below the configuration panel is a section for 'URL Attributes' with a table:

Name	Value Type	Display Value
Title	Resource Bundle	Home Page

Portal Navigation Security

Overview

- Navigation models honor underlying resource security
- Hide navigational elements based on criteria (visibility)
- Page hierarchies provide delegated security for pages
- Links to secured pages are only displayed to authorized users
 - [Patch 13421349](#) allows secured pages to be shown and prompt for login
- Role names correspond to application roles defined in policy store
 - Delegating security is limited to application roles at design time
 - User and enterprise roles may be added at run time

Portal Navigation Security

Page Hierarchy

- The page hierarchy defines security for pages
 - Provides cascaded, role-based security
 - Child nodes inherits parents permissions
 - Child nodes can also limit or override inherited security
- Root element of page hierarchy is defined in the pages.xml
 - Path: oracle/webcenter/portalapp/pagehierarchy/pages.xml
 - Sub-hierarchies may be referenced under the root element
 - Page Queries use the page hierarchy

Portal Navigation Security Demo

Scenario

- Define page security using the page hierarchy
- Delegate security for the dashboard page to require authentication

The screenshot shows the Oracle ADF configuration interface for page security. The main window is titled 'pages.xml'. It features a 'Page Hierarchy' section with a tree view and a 'Security' section with a table of permissions.

Page Hierarchy

Drag ADF pages and drop them in the page hierarchy tree below.

Hierarchy:

- Root
 - Home
 - WebCenterPortal
 - WebCenterContent
 - Dashboard
 - ContactUs

Security

Inherit Parent Security
 Delegate Security

Role	Grant	Create	Delete	Update	Personalize	View
anonymous-role	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
authenticated-role	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Administrator	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Portal Navigation Visualization

Overview

- Page templates usually contain navigation visualization
- Custom implementation
 - ADF components and CSS (Recommended)
 - Standard HTML and CSS
 - Other, CSS, HTML and JavaScript, etc.
- OOTB navigation task flows
 - ADF Menu, ADF Tree, ADF Breadcrumb
 - Additional navigation [Task Flows on OTN](#)

Portal Navigation Visualization

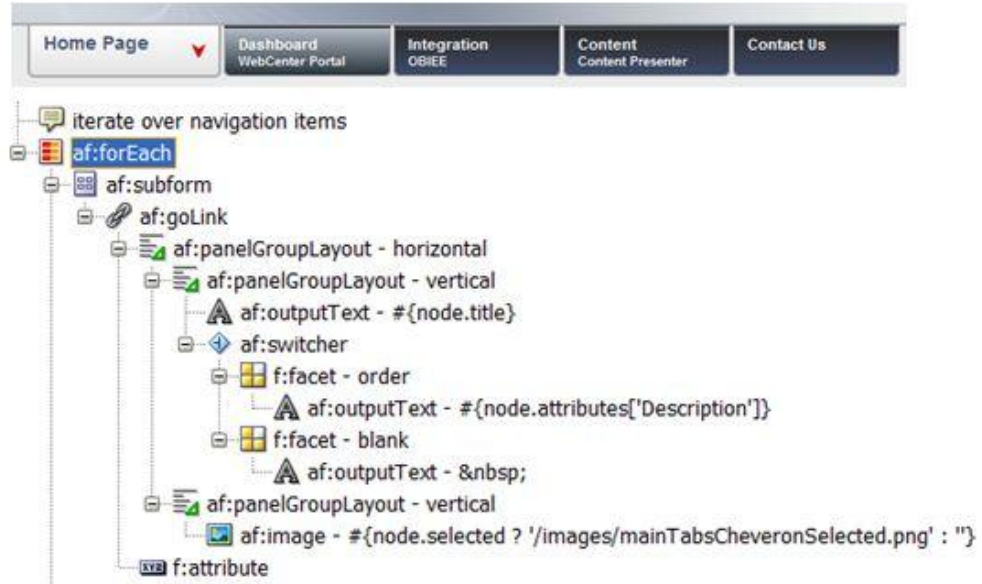
Support GET & POST Requests

- For GET requests use an af:goLink
 - Maintain ADF Faces & Controller state using the `#{node.goLinkPrettyUrl}` EL as the destination
 - Provides friendly URLs that support bookmarking
 - Search engines are able to crawl the portal
- For POST requests use an af:commandLink
 - ADF Maintains the state on your behalf
 - Use the `#{node.prettyUrl}` EL as the destination
 - Generate a Sitemap to enable search engines to crawl the portal

Portal Navigation Visualization

Custom Implementation

- ADF “forEach” loop iterates over navigation elements
- ADF components provide visualization
- Assign style classes to ADF components



Portal Navigation Visualization Demo

Scenario

- Add the OOTB tree task flow to the home page
- Add a top menu to the page templates using a custom implementation

The screenshot displays the Oracle WebCenter Portal interface. At the top right, it shows a user login status: "Welcome : anonymous" with a "Login" button. Below this is a search bar and a "Change locale" dropdown menu. A top navigation bar contains "Home Page" (with a dropdown arrow), "Dashboard", and "Contact Us".

The main content area is divided into two columns. The left column features a "WebCenterPortal" and "WebCenterContent" breadcrumb, followed by the "ORACLE SOCIAL NETWORK" logo and a brief description of the social network's capabilities. Below this is a red banner for "Quarterly Customer Update Webcasts" with an image of people in a meeting.

The right column is titled "Oracle WebCenter" and describes it as a user engagement platform. It includes a sub-header "The User Engagement Platform for Social Business" and a diagram titled "Oracle Fusion Middleware" showing "Oracle WebCenter" as a central component. The diagram consists of four puzzle pieces: "Sites Web Experience Management", "Portal Application Dashboards & Self-Service Portals", "Social Social Network & Collaboration", and "Content Enterprise Content Management".

To the right of the diagram is a list of key features:

- One Integrated Product Suite - Sites, Portal, Social, Content
- Transforming Organizations to Social Business - Improve Business Agility, Increase Customer Loyalty, Enhance User Productivity, Seamless Access to the Right Information
- Architected together to Connect People and Information - Desktop/Mobile/Tablet, Search, Gadgets, Application Integration, SaaS/Cloud

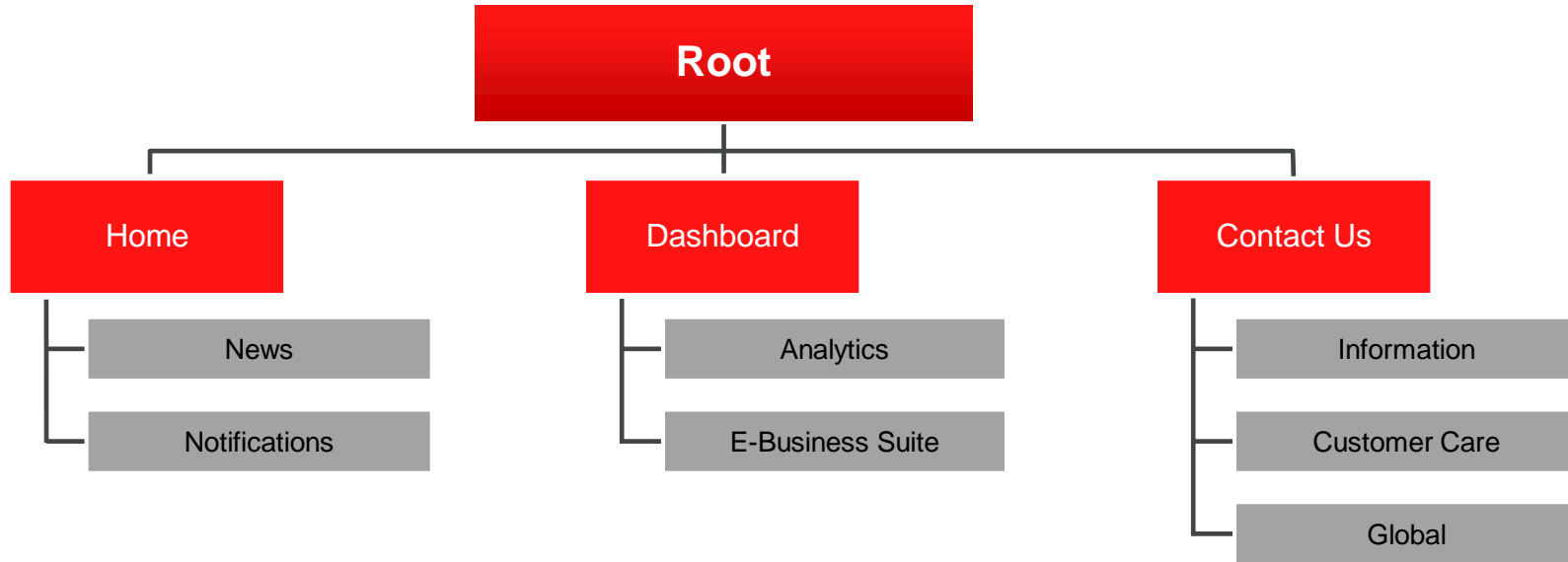
Below the list is the "Oracle WebCenter Portal" section, which provides a detailed description of the portal as a modern user experience platform.

At the bottom of the page, there is a footer with navigation links: "Home | Dashboard | Integration | Content | Contact Us", and a copyright notice: "Copyright © 1998-2012, Oracle".

Portal Navigation Best Practices

Portal Navigation Best Practices

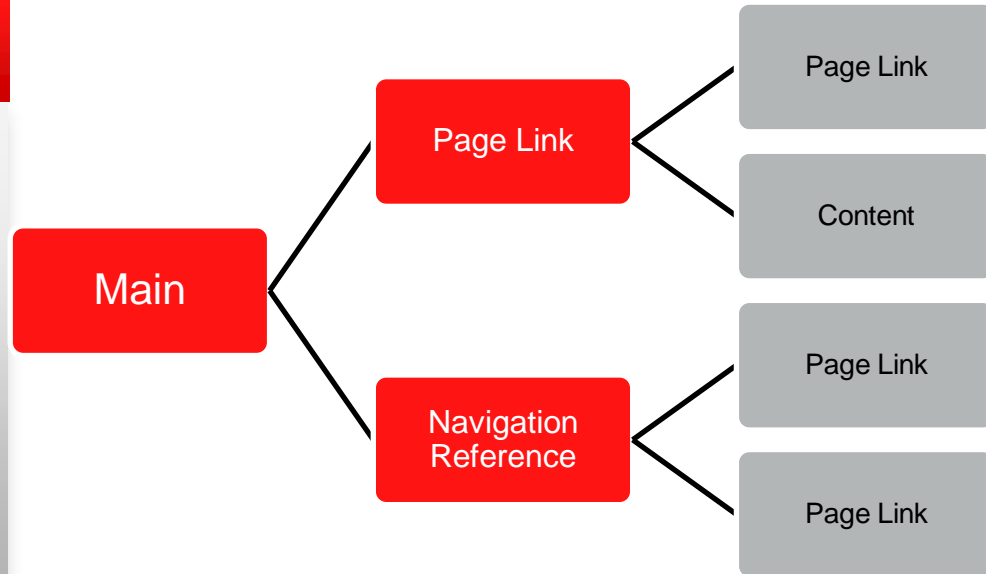
Plan Navigation Based on Resources



Portal Navigation Best Practices

Separate Complex Models

- Nest separate models into one main navigation model
- Enables development by different users



Portal Navigation Best Practices

Page Links vs Page Queries

- Use page links instead of page queries
 - Allow more control over the structure
 - Enable page reuse with different parameters
 - Ability to add folders, separators, etc.

Portal Navigation Summary

- Models
- Security
- Visualization
- Best Practices

Hardware and Software

ORACLE®

Engineered to Work Together

ORACLE®