

Sneak Preview Portal 6.1

Böblingen, 19.6.08

Erfahrungsbericht Portal 6.1 beta



Software, Systeme und Dienstleistungen



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Agenda

- Deployment und Migration bestehender Anwendungen
- Entwicklung neuer Anwendungen mit der PortletFactory 6.1
- Entwicklung neuer Anwendungen mit dem Rational Application Developer 7
- Verwendung der neuen Features
- Zusammenfassung und Fazit

Deployment von Anwendungen

- Deployment manuell über Administration
 - JDBC Provider / DataSource = WAS
 - Deployment Web-Module mit Namen für EAR / EAR Root
 - Seiten anlegen direkt mit friendly URL und custom unique names
 - keine Probleme aufgetreten
- Standard-Ports haben sich wieder geändert

Migration von Anwendungen

- Entwicklersicht auf die Migration
- bestehende Anwendungen unproblematisch lauffähig
- sowohl WPF 6.0 als auch RAD 6/7 Anwendungen
- Basis sowohl WP 5.1 als auch WP 6.0
- xmlaccess nicht getestet

Migration von Anwendungen / Web 2.0 Theme

- Einsatz des Web-2.0-Themes nicht ganz unproblematisch
 - Probleme traten bei Verwendung auf, Fehlerursache nicht tiefer untersucht
- Probleme mit Darstellung bei Sprache deutsch
- automatisierte Tests bei starker Verwendung von JavaScript schwierig

Fazit Deployment / Migration von Anwendungen

- Web 2.0 doch nicht ganz „out of the box“, aber vieles funktioniert schon
- Migrationsaufwände auch von 5.1 sollten überschaubar bleiben

Agenda

- Deployment und Migration bestehender Anwendungen
- **Entwicklung neuer Anwendungen mit der PortletFactory 6.1**
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- Verwendung der neuen Features
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Entwicklung neuer Anwendungen mit der PortletFactory 6.1

- Unterstützung für Portal 6.1 und JSR-286
- immer noch Eclipse 3.2 im Lieferumfang (3.2.2)
- soll auch Installation in 3.3 unterstützen (ungetestet)
- GA soll auch unter Linux lauffähig sein (beta nicht verfügbar)
- Standard -Xmx 512m
- Überblick über neue Features

The screenshot shows the 'Builder Picker' dialog box. On the left, a tree view lists categories, with 'Favorites' highlighted by a red arrow. The main area is split into two panes: 'Category name:' and 'Builder:'. The 'Builder:' pane lists various builders such as 'Action List', 'Cache Control', and 'Comment'. At the bottom, there are buttons for 'Add Favorites' and 'Manage Favorites'. On the right side, there is a 'Related Topics' section with a search bar and a list of search results under the heading 'Dynamic Help'. The search results include items like 'Updating the list of builders' and 'About using the builder picker'. At the bottom right, there is a 'Go To:' section with links for 'All Topics', 'Search', 'Bookmarks', and 'Index'. 'OK' and 'Cancel' buttons are located at the bottom center.

The screenshot shows the 'Builder Picker' application window. On the left, a tree view under 'Category name:' lists various categories, with 'Search Results' selected. The 'Builder:' field contains 'Timed Action'. Below the tree are 'Add Favorites' and 'Manage Favorites' buttons. At the bottom are 'OK' and 'Cancel' buttons.

The right pane displays the 'Timed Action Builder Input' section. It includes the text 'WebSphere Portlet Factory, Version 6.1.0' and a 'Submit Feedback' button. Below this is the title 'Timed Action Builder Input' and a paragraph: 'The Timed Action builder takes the inputs described in this table:'. A table follows with the following data:

Input name	Description
Name	Enter a name for this builder call. The WebSphere Portlet Factory Designer displays this name in the builder call list.
Page Location	Specify the page or pages on which this builder call will act. For Tag , specify the location on the page for the JavaScript timer code that kicks off the action. If the action submits a form, this location should be inside that form. Otherwise, any location on the page is sufficient.
Interval	Specify the amount of time that should elapse before the action is executed.
Units	Specify how the Interval input value should

At the bottom of the right pane, there is a 'Go To:' section with links for 'All Topics', 'Search', 'Related Topics', 'Bookmarks', and 'Index'.

► Neue Views: Pages und Design

The screenshot shows the Eclipse IDE interface for the 'WebSphere Portlet Factory - TelephonePortlet' project. The main workspace is in Design view, displaying a visual representation of the portlet's layout. The design canvas contains a table with search results and a set of paging buttons.

Project Explorer: Shows the project structure with 'TelephonePortlet.model' selected.

Outline: Lists the project's components:

#	Name	Type
1	Shared	Imported Model
2	Telefonbuch	Portlet Adapter
3	Telefonbuch	Service Consumer
4	TelefonbuchView	View and Form
5	beauty	Data Column Modifier
6	beautyDetail	Data Column Modifier
7	Mobil	Link
8	Paging	Paging Buttons

Application Tree: Shows the 'TelefonbuchView_ViewPage' and 'TelefonbuchView_DetailsPage' components.

Design Canvas: Displays a table with search results and a set of paging buttons.

Table:

Name	Name
KÄ%rzel	KÄ%rzel
Durchwahl	DWV
Telefon	Telefon
Mobil	Mobil
Fax	Fax
Abteilung	Abteilung
Standort	Standort

Paging Buttons: Includes a 'Back' button and an 'update_button'.

Applied Profiles: Shows '0 errors, 0 warnings, 0 infos'.

► Neue Views: Pages und Design

The screenshot shows the Eclipse IDE interface for WebSphere Portlet Factory. The main workspace displays a design view for the 'TelephonePortlet' project. The design view is divided into two sections: 'search_section' and 'paging_buttons'. The 'search_section' contains a table with the following data:

Mobil	Mobil
Fax	Fax
Abteilung	Abteilung
Standort	Standort

The 'paging_buttons' section contains a 'Back' button and an 'update_button'. A context menu is open over the 'search_section' table, with the 'Tables and Forms' option selected. The context menu options are:

- Toggle Breakpoint
- Open "TelefonbuchView (View and Form)"
- Open "beautyDetail (Data Column Modifier)"
- Tables and Forms** (selected)
- Add Builder Call
- Mobil: Mobil
- Fax: Fax
- Abteilung: Abteilung
- Standort: Standort

The 'Tables and Forms' sub-menu is also visible, showing options: Data Field Modifier, Data Hierarchy Modifier, Dynamic Validation, and Form Layout.

The Project Explorer on the left shows the project structure for 'Telefonbuch', including 'Deployment Descriptor: WPF', 'Java Resources: source', 'models', 'samples', 'CalendarPortlet.model', 'DominoService.model', 'ExternalModelProperties.xml', 'HolidayPortlet.model', 'Shared.model', 'TelephonePortlet.model', 'Html pages and Styles', 'Images', 'Referenced Models', 'profiles', and 'build'.

The Outline view at the bottom left shows a list of models and their types:

#	Name	Type
1	Shared	Imported Model
2	Telefonbuch	Portlet Adapter
3	Telefonbuch	Service Consumer
4	TelefonbuchView	View and Form
5	beauty	Data Column Modifier
6	beautyDetail	Data Column Modifier
7	Mobil	Link
8	Paging	Paging Buttons

The Applied Profiles view at the bottom right shows '0 errors, 0 warnings, 0 infos' and a table with columns 'Description', 'Resource', and 'Path'.

► Verbesserter Application Tree

The screenshot displays the Eclipse IDE interface for WebSphere Portlet Factory. The main window is titled "WebSphere Portlet Factory - TelephonePortlet - Eclipse SDK". The interface is divided into several panes:

- Project Explorer:** Shows the project structure for "Telefonbuch", including "Deployment Descriptor: WPF", "Java Resources: source", "models", "samples", "CalendarPortlet.model", "DominoService.model", "ExternalModelProperties.xml", "HolidayPortlet.model", "Shared.model", "TelephonePortlet.model", "Html pages and Styles", "Images", "Referenced Models", "profiles", and "build".
- Outline:** A table listing the project's components:

#	Name	Type
1	Shared	Imported Model
2	Telefonbuch	Portlet Adapter
3	Telefonbuch	Service Consumer
4	TelefonbuchView	View and Form
5	beauty	Data Column Modifier
6	beautyDetail	Data Column Modifier
7	Mobil	Link
8	Paging	Paging Buttons

- Application Tree:** Shows the hierarchy of the "TelefonbuchView_ViewPage" portlet. It includes a "Group: ViewData" containing a "Table: Row" with columns: "IsDocumentRo", "UNID", "Name", "Kürzel", "KW", "DW", "Telefon", "Mobil", "Fax", "Abteilung", and "Standort". Other elements include "paging_buttons", "[All Named Elements]", "[Available Elements]", and "TelefonbuchView_DetailsPage" with fields: "IsDocumentRow", "UNID", and "Name".
- Configuration Panel:** Shows settings for "TelefonbuchView_ViewPage".
 - HTML Template File: /factory/html_templates/gridtable.t
 - Paged Data Display:
 - Input Page Options:** Create Input Page:
 - Row Details Support:** Create Link To Details: Details Link Column: Name Details Link Text: Details Action Type: Get details data directly from the se Details Page HTML: /factory/pages/view_and_form_vie HTML Template File: /factory/html_templates/gridtable.t Back Button Text: Rark
- Applied Profiles:** Shows 0 errors, 0 warnings, and 0 infos.

Verbesserter Application Tree: Source View

WebSphere Portlet Factory - TelephonePortlet - Eclipse SDK

File Edit Source Refactor Navigate Search Project Run Model Window Help

Project Explorer Package Explorer

DominoService Utils.java TelephonePortlet CalendarPortlet HolidayPortlet

Application Tree Pages

- TelefonbuchGetHoliday
- TelefonbuchGetHolidayWithArgs
- TelefonbuchView_SelectRow
- main
- TelefonbuchView_ShowResults

Pages

- TelefonbuchView_ViewPage
 - Group: ViewData
 - Table: Row
 - Column: IsDocumentRo
 - Column: UNID
 - Column: Name
 - Column: Kürzel
 - Column: KW
 - Column: DW
 - Column: Telefon
 - Column: Mobil
 - Column: Fax
 - Column: Abteilung
 - Column: Standort
- paging_buttons
- [All Named Elements]
- [Available Elements]

- TelefonbuchView_DetailsPage
- Group: Row
 - Field: IsDocumentRow
 - Field: UNID
 - Field: Name

▼ Associations

is called by [Method main](#)
calls [Method TelefonbuchGetTelephone](#)
calls [Page TelefonbuchView_ViewPage](#)

data shown is generated by builders and not directly editable

```
/**
 * Generated ActionList [TelefonbuchView_ShowResults]
 */
public Object TelefonbuchView_ShowResults(WebAppAccess
webAppAccess)
{
    Object returnValue = null;

    // Line 1: TelefonbuchGetTelephone
    returnValue = webAppAccess.callMethod("TelefonbuchGetTelephone",
new Object[] { });

    // Line 2: TelefonbuchView_ViewPage
    returnValue =
webAppAccess.processAction("TelefonbuchView_ViewPage");
    return (Object)returnValue;
}

/**
 * Generated ActionList [_gen_call_TelefonbuchView_SelectRow]
 */
public Object _gen_call_TelefonbuchView_SelectRow(WebAppAccess
webAppAccess)
{
    Object returnValue = null;
```

Source Design Model XML Builder Call Editor

Applied Profiles Problems

0 errors, 0 warnings, 0 infos

Description	Resource	Path
-------------	----------	------

Outline

#	Name	Type
1	Shared	Imported Model
2	Telefonbuch	Portlet Adapter
3	Telefonbuch	Service Consumer
4	TelefonbuchView	View and Form
5	beauty	Data Column Modifier
6	beautyDetail	Data Column Modifier
7	Mobil	Link
8	Paging	Paging Buttons

Verbesserter Application Tree: Source View

The screenshot displays the Eclipse IDE interface for the 'WebSphere Portlet Factory - TelephonePortlet - Eclipse SDK' project. The main workspace is divided into several panes:

- Project Explorer:** Shows the project structure, including 'Telefonbuch', 'Deployment Descriptor: WPF', 'Java Resources: source', 'models', 'samples', 'CalendarPortlet.model', 'DominoService.model', 'ExternalModelProperties.xml', 'HolidayPortlet.model', 'Shared.model', 'TelephonePortlet.model', 'Html pages and Styles', 'Images', 'Referenced Models', 'profiles', and 'build'.
- Package Explorer:** Shows the package structure, including 'DominoService', 'Utils.java', 'TelephonePortlet', 'CalendarPortlet', and 'HolidayPortlet'.
- Application Tree:** Displays the application tree for 'TelefonbuchView_ViewPage'. It shows a hierarchy of elements: 'TelefonbuchView_ViewPage' (Page) containing a 'Group: ViewData' (Table: Row) with columns: 'IsDocumentRo', 'UNID', 'Name', 'Kürzel', 'KW', 'DW', 'Telefon', 'Mobil', 'Fax', 'Abteilung', and 'Standort'. Below this is a 'paging_buttons' group and another 'Group: Row' containing 'Field: IsDocumentRow', 'Field: UNID', and 'Field: Name'.
- Properties:** Shows the properties for the selected 'TelefonbuchView_ViewPage'. It includes 'PageAutomation Info' (Leaf Name: Name (Label: Name) (type: string) (DataSourceExt: Name) (requi Validation -- Variable: com.bowstreet.builders.webapp.pageautomation.Stanc), 'Page Event Handlers' (OnPageLoad: pagingAssistantSetRequestContext), and a note that 'data shown is generated by builders and not directly editable'. The source code for the table rows is visible, showing JSP tags for 'ColumnData' and 'SPAN' elements.
- Outline:** A table listing the application's components:

#	Name	Type
1	Shared	Imported Model
2	Telefonbuch	Portlet Adapter
3	Telefonbuch	Service Consumer
4	TelefonbuchView	View and Form
5	beauty	Data Column Modifier
6	beautyDetail	Data Column Modifier
7	Mobil	Link
8	Paging	Paging Buttons

At the bottom, the 'Applied Profiles' pane shows '0 errors, 0 warnings, 0 infos' and a table with columns for 'Description', 'Resource', and 'Path'.

► Verbesserte Action List

The screenshot displays the Eclipse IDE interface for the WebSphere Portlet Factory. The main window is titled "WebSphere Portlet Factory - DominoService - Eclipse SDK". The "Project Explorer" on the left shows a project structure with "DominoService.model" selected. The "Outline" view at the bottom left lists various components, with "GetCalendarAL" (Action List) highlighted at index 9. The main editor area shows the "Action List" configuration for "GetCalendarAL".

Action List
Creates an ordered list of actions to be executed. Action lists can be nested.

Properties

Name *

Arguments

Return Type

XML Type

Actions

Action	Order	Direction
Assignment!Variables/SearchStringNames=\${MethodCall/Utils.createSearchStringName...	1	Down
DataServices/GetMailUsersDom/readTable	2	Up/Down
GetCalendarDom.setDatabaseName(\${DataServices/GetMailUsersDom/readTable/res...	3	Up/Down
Assignment!Variables/SearchStringCal=\${MethodCall/Utils.createSearchStringCal(\${A...	4	Up/Down
DataServices/GetCalendarDom/readTable	5	Up/Down
Utils.createSearchStringHoliday(\${DataServices/GetMailUsersDom/readTable/results/...	6	Up/Down

Buttons: OK, Cancel, Apply, Help

Applied Profiles: Problems (0 errors, 0 warnings, 0 infos)

Bottom status bar: DominoService.model - Telefonbuch/WebContent/WEB-INF/models

► Verbesserte Action List

The screenshot displays the Eclipse IDE interface for WebSphere Portlet Factory. The main window is titled "WebSphere Portlet Factory - DominoService - Eclipse SDK". The interface is divided into several panes:

- Project Explorer:** Shows the project structure for "DominoService", including folders like "models", "samples", "profiles", and "build".
- Outline:** A table listing project elements. The "GetCalendar" service operation is selected and highlighted in blue.
- Builder Call Editor:** The main configuration area for the "GetCalendar" service operation. It is divided into sections for "Operation Inputs", "Operation Results", "Result Caching", "Additional Processing", and "Context Variables".
- Applied Profiles:** Shows "0 errors, 0 warnings, 0 infos".

The "Operation Inputs" section is expanded, showing the following configuration:

- Input Structure Handling:** Use structure from called action, Specify input schema, No inputs
- Input Description:** [Empty text field]
- Input Field Mapping:** Automatic, Specify input values

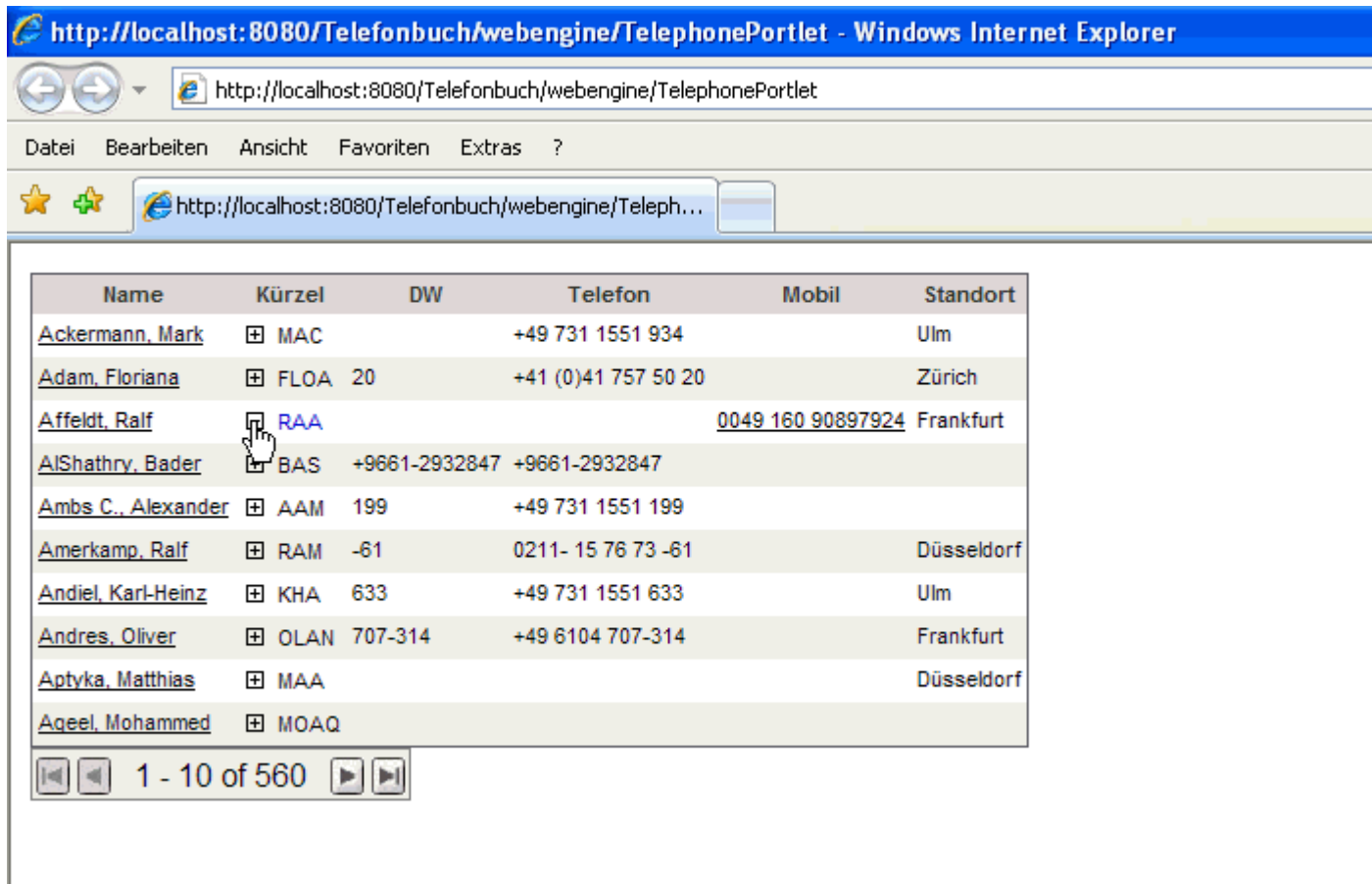
The "Operation Results" section is also expanded, showing the following configuration:

- Result Structure Handling:** Use structure from called action, Specify result schema, No results
- Result Schema:** [Text field containing "GetCalendarDom/ViewData"]
- Result Description:** [Empty text field]
- Result Field Mapping:** Automatic, Specify result values

At the bottom of the Builder Call Editor, there are buttons for "OK", "Cancel", "Apply", and "Help".

#	Name	Type
1	Utils	Linked Java Object
2	DominoServiceView	Domino Data Access
3	DominoService	Service Definition
4	GetTelephone	Service Operation
5	GetMailUsersDom	Domino Data Access
6	GetMailUsers	Service Operation
7	SearchStringNames	Variable
8	GetCalendarDom	Domino Data Access
9	GetCalendarAL	Action List
10	GetCalendar	Service Operation
11	SearchStringCal	Variable
12	GetHolidayDom	Domino Data Access
13	GetHolidayAL	Action List
14	GetHoliday	Service Operation
15	SearchStringHoliday	Variable

► Neuer Builder: Collapsible Section



The screenshot shows a Windows Internet Explorer browser window displaying a web application. The address bar shows the URL: `http://localhost:8080/Telefonbuch/webengine/TelephonePortlet`. The browser's menu bar includes "Datei", "Bearbeiten", "Ansicht", "Favoriten", "Extras", and "?". The address bar also contains a search box with the same URL and a search button.

The main content area displays a table with the following columns: Name, Kürzel, DW, Telefon, Mobil, and Standort. The table contains 10 rows of contact information. A mouse cursor is hovering over the "Kürzel" cell for "Affeldt, Ralf", which contains the value "RAA".

Name	Kürzel	DW	Telefon	Mobil	Standort
Ackermann, Mark	MAC		+49 731 1551 934		Ulm
Adam, Floriana	FLOA 20		+41 (0)41 757 50 20		Zürich
Affeldt, Ralf	RAA			0049 160 90897924	Frankfurt
AlShathry, Bader	BAS	+9661-2932847	+9661-2932847		
Ambs C., Alexander	AAM 199		+49 731 1551 199		
Amerkamp, Ralf	RAM -61		0211- 15 76 73 -61		Düsseldorf
Andiel, Karl-Heinz	KHA 633		+49 731 1551 633		Ulm
Andres, Oliver	OLAN 707-314		+49 6104 707-314		Frankfurt
Aptyka, Matthias	MAA				Düsseldorf
Aqeel, Mohammed	MOAQ				

Below the table, there is a pagination control showing "1 - 10 of 560" with navigation buttons for first, previous, next, and last.

► Neuer Builder: Collapsible Section

The screenshot displays the Eclipse IDE with the WebSphere Portlet Factory extension. The main window is titled "WebSphere Portlet Factory - TelephonePortlet - Eclipse SDK". The interface is divided into several panes:

- Project Explorer:** Shows the project structure for "Telefonbuch", including "Deployment Descriptor: WPF", "Java Resources: source", "models", "samples", and various model files like "CalendarPortlet.model", "DominoService.model", "HolidayPortlet.model", "Shared.model", and "TelephonePortlet.model".
- Outline:** A table listing the project's components:

#	Name	Type
1	Shared	Imported Model
2	Telefonbuch	Portlet Adapter
3	Telefonbuch	Service Consumer
4	TelefonbuchView	View and Form
5	beauty	Data Column Modifier
6	beautyDetail	Data Column Modifier
7	Mobil	Link
8	Paging	Paging Buttons
9	collapse	Collapsible Section

- Main Editor:** Configures the "collapse" section. It shows settings for "Name" (collapse), "Trigger Location" (Page Location), "Expand/Collapse Section Location" (Page Location), "Expanded Image" (/factory/images/collapsible_section/square_expanded.gif), "Expanded Alternate Text", "Collapsed Image" (/factory/images/collapsible_section/square_collapsed.gif), "Collapsed Alternate Text", and "Refresh Page" (Client-only: show/hide section in current page contents). A dropdown menu is open for "Refresh Page", showing options: "Client-only: show/hide section in current page contents", "Partial-page refresh: reload section contents from server", and "Full-page refresh: reload entire page".
- Applied Profiles:** Shows "0 errors, 0 warnings, 0 infos".
- Problems:** A table with columns "Description", "Resource", and "Path".

► Neues Feature: Debugging mit Breakpoints

The screenshot shows the Eclipse IDE interface for the 'WebSphere Portlet Factory - TelephonePortlet' project. The main editor displays the 'GetMailUsers' method in the 'TelephonePortlet' class, with a context menu open over the method name. The menu options are:

- Toggle Breakpoint (selected)
- Disable Breakpoint
- Open "Telephonebuch (Service Consumer)"
- Add Builder Call

The 'Application Tree' on the left shows the project structure, including the 'Telephonebuch' package and the 'GetMailUsers' method. The 'Outline' view at the bottom left shows a list of models and their types:

#	Name	Type
1	Shared	Imported Model
2	Telephonebuch	Portlet Adapter
3	Telephonebuch	Service Consumer
4	TelephonebuchView	View and Form
5	beauty	Data Column Modifier
6	beautyDetail	Data Column Modifier
7	Mobil	Link
8	Paging	Paging Buttons

The 'Problems' view at the bottom shows 0 errors, 0 warnings, and 0 infos.

Fazit Anwendungsentwicklung mit der PortletFactory 6.1

- diverse Verbesserungen, z.T. aber noch nicht konsequent zu Ende gedacht (z.B. getyptes IXml als Return für Action List)
- Features für neue User, aber nach wie vor relativ kurze, aber sehr steile Lernkurve
- selten Abstürze, wirkt insgesamt schneller
- Support für DynaCache?
- Dokumentation wird besser, v.a. Forum und Wikis

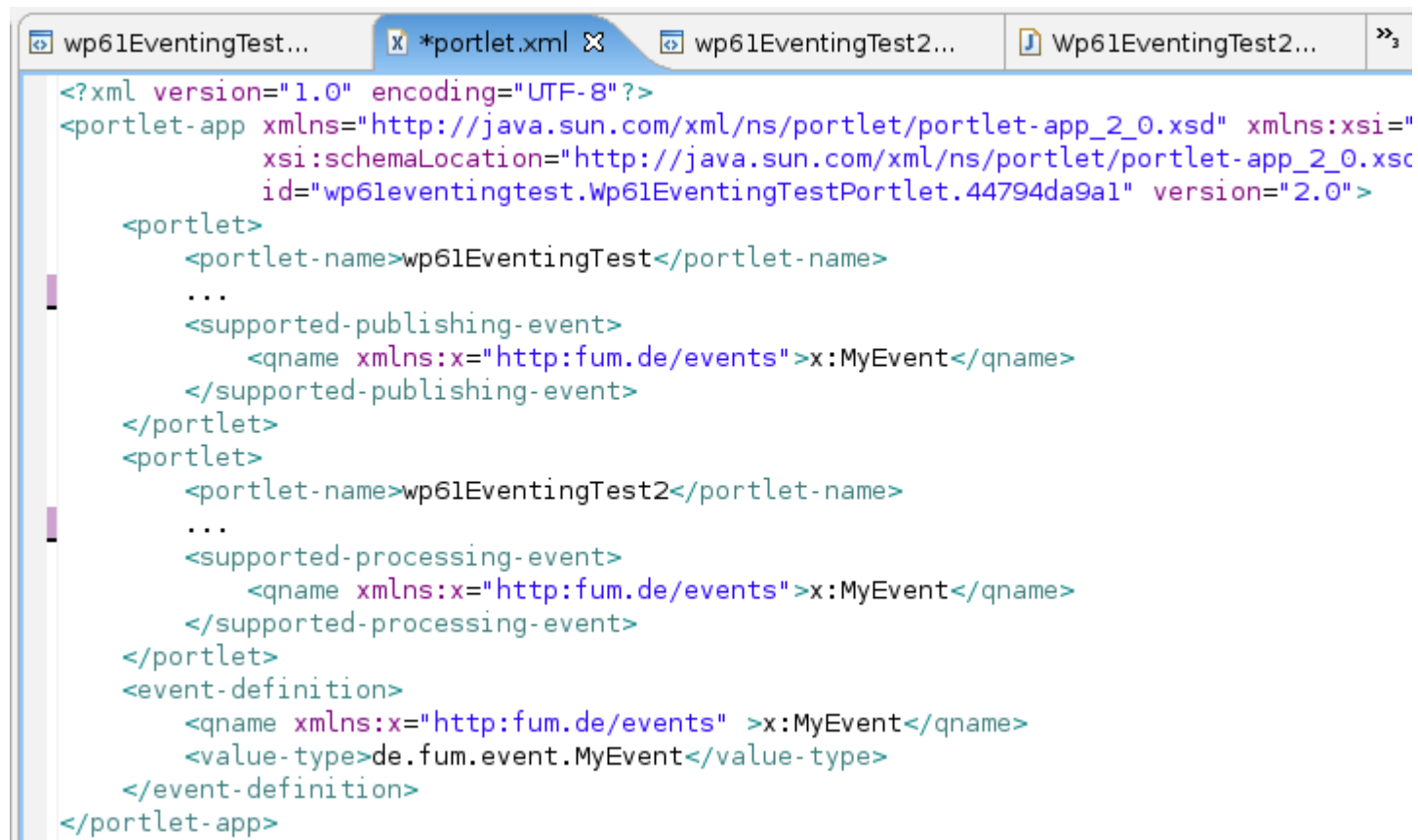
Agenda

- Deployment und Migration bestehender Anwendungen
- Entwicklung neuer Anwendungen mit der PortletFactory 6.1
- **Entwicklung neuer Anwendungen mit dem Rational Application Developer 7**
- Verwendung der neuen Features
- Zusammenfassung und Fazit

Entwicklung neuer Anwendungen mit dem Rational Application Developer 7.0

- keine Unterstützung für Portal 6.1 und JSR-286 out of the box
- Server kann nicht als 6.0 hinzugefügt werden
- manuelles Erstellen von JSR-286-Anwendungen möglich
 - portlet.xml anpassen
 - portlet-api-2.0.jar ins Projekt kopieren
 - Runtime auf AppServer ändern
 - dann funktionieren Wizards und GUI für Änderungen an portlet.xml nicht mehr (z.B. „neues Portlet hinzufügen“)

Events nach JSR-286 funktionieren mit Wiring



```
<?xml version="1.0" encoding="UTF-8"?>
<portlet-app xmlns="http://java.sun.com/xml/ns/portlet/portlet-app_2_0.xsd" xmlns:xsi="
  xsi:schemaLocation="http://java.sun.com/xml/ns/portlet/portlet-app_2_0.xsd
  id="wp61eventingtest.Wp61EventingTestPortlet.44794da9a1" version="2.0">
  <portlet>
    <portlet-name>wp61EventingTest</portlet-name>
    ...
    <supported-publishing-event>
      <qname xmlns:x="http://fum.de/events">x:MyEvent</qname>
    </supported-publishing-event>
  </portlet>
  <portlet>
    <portlet-name>wp61EventingTest2</portlet-name>
    ...
    <supported-processing-event>
      <qname xmlns:x="http://fum.de/events">x:MyEvent</qname>
    </supported-processing-event>
  </portlet>
  <event-definition>
    <qname xmlns:x="http://fum.de/events" >x:MyEvent</qname>
    <value-type>de.fum.event.MyEvent</value-type>
  </event-definition>
</portlet-app>
```

```
public class Wp61EventingTestPortlet extends com.ibm.faces.portlet.FacesPortlet {  
  
    public void processAction(ActionRequest request, ActionResponse response) throws PortletException {  
  
        QName qname = new QName("http:fum.de/events" , "MyEvent");  
        String value = request.getParameter("myevent");  
        MyEvent ev = new MyEvent();  
        ev.setName(value);  
        ev.setDescription("Description for " + value);  
        response.setEvent(qname, ev);  
    }  
}
```

```
public class Wp61EventingTest2Portlet extends com.ibm.faces.portlet.FacesPortlet {  
  
    public void processEvent(EventRequest request, EventResponse response) {  
        Event event = request.getEvent();  
        if(event.getName().equals("MyEvent")){  
            MyEvent payload = (MyEvent)event.getValue();  
            response.setRenderParameter("eventDescription", payload.getDescription());  
        }  
    }  
}
```

Public Render Parameter funktionieren



```
<?xml version="1.0" encoding="UTF-8"?>
<portlet-app xmlns="http://java.sun.com/xml/ns/portlet/portlet-app_2_0.xsd"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://java.sun.com/xml/ns/portlet/portlet-app_2_0.xsd http://
  id="wp61rendertest.Wp61RenderTestPortlet.44794da9a1" version="2.0">
  <portlet>
    ...
    <supported-public-render-parameter>myparam</supported-public-render-parameter>
  </portlet>
  <portlet>
    ...
    <supported-public-render-parameter>myparam</supported-public-render-parameter>
  </portlet>
  <public-render-parameter>
    <identifier>myparam</identifier>
    <qname xmlns:x="http://fum.de/params">x:myparam</qname>
  </public-render-parameter>
</portlet-app>
```

Resource Serving funktioniert

```
public void serveResource(ResourceRequest request, ResourceResponse response)
throws PortletException, IOException {
    response.setContentType("text/html");
    String resourceID = request.getResourceID();
    if (resourceID.equals("customer")) { // handle customer request
        String customer = request.getParameter("customer");
        String content = getContents("/html/" + customer + ".html");
        PrintWriter writer = response.getWriter();
        writer.print(content);
    } else if (resourceID.equals("js")) { // handle js request
        String content = getContents(jsPage);
        PrintWriter writer = response.getWriter();
        writer.print(content);
    }
}
```

▶ Resource Serving funktioniert

```
<portlet:resourceURL var="customerURL" id="customer" escapeXml="false" />
<script type="text/javascript">
function <portlet:namespace/>_loadCustomer(customer) {
    if (customer != null && customer != "null") {
        var querystring = new Array();
        querystring['customer'] = customer;
        var bindArgs = {
            url: "<%=renderResponse.encodeURL(customerURL.toString())%>",
            method: "POST",
            content: querystring,
            handle: function(type, data, evt) {
                if (type == "error") {
                    data = "<p style='color:red'>" + data.message + "</p>";
                }
                var div = document.getElementById("<portlet:namespace/>_content");
                div.innerHTML = "";
                div.innerHTML = data;
            },
            mimetype: "text/html"
        };
        dojo.io.bind(bindArgs);
    }
};
</script>
...
<select onChange="<portlet:namespace/>_loadCustomer(this.value);" size="1">
...
<div id="<portlet:namespace/>_content"></div>
```

Fazit Anwendungsentwicklung mit dem Rational Application Developer 7

- Portal 6.1 und JSR-286 sind noch nicht integriert
- JSR-286 Features funktionieren zum großen Teil im Portal 6.1
- Anwendungsentwicklung jetzt schon für 6.1 ist möglich, aber mit deutlichem Mehraufwand verbunden

Agenda

- Deployment und Migration bestehender Anwendungen
- Entwicklung neuer Anwendungen mit der PortletFactory 6.1
- Entwicklung neuer Anwendungen mit dem Rational Application Developer 7
- **Verwendung der neuen Features**
- Zusammenfassung und Fazit

Neue Features: WebAppIntegrator

- statisches HTML anzeigen funktioniert soweit
- unklar: wie werden Ressourcen (Bilder, JavaScript, etc.) hochgeladen, verwaltet und adressiert?
- interessant für schnelle erste Phase eines Portal-Projekts

Neue Features: Semantic Tags / Microformats

- haben nicht direkt funktioniert
- Dokumentation noch recht kurz gehalten
- an sich sehr sinnvolle Idee

Neue Features: RememberMe / StepUp

- RememberMe-Cookie und StepUp-Authentication werden über Config-Task (ConfigEngine.sh) aktiviert
- nach Neustart erscheinen entsprechende Konfigurationsmöglichkeiten
- Funktionalität scheint gegeben zu sein, Tests waren allerdings nur unter Firefox/Linux erfolgreich

WebSphere Portal Express Home | Applications | **Administration** | Web Content | More... virtuser | Edit My Profile | Help | Log Out

Administration WebSphere Portal All Sources

Administration / WebSphere Portal / Access / Resource Permissions

Resource Permissions

Search by: Title starts with Search: **Search**

Select Resource Type ▶ Pages ▶ Content Root

Page 1 of 4 Jump to page: 1

Resources	Assign Access	Unique name	Authentication Level
Personalization Picker		ibm.portal.Personalization.Picker	standard
Content Palette		ibm.portal.Content Palette	standard
People Palette		ibm.portal.People Palette	standard
Page Customizer		ibm.portal.Page Customizer	standard
Administration		ibm.portal.Administration	authenticated
Home		ibm.portal.Home	identified
Quick Links		ibm.portal.Quick Links	standard
Theme Links		ibm.portal.ThemeLinks	standard
Login		wps.Login	standard
Edit My Profile		wps.Selfcare	standard

Page 1 of 4 Jump to page: 1

- Welcome
- Portal User Interface
 - Manage Pages
 - Themes and Skins
 - Site Management
- Portlet Management
 - Web Modules
 - Applications
 - Portlets
 - Web Services
 - Web Clipping
- Access
 - Users and Groups
 - Resource Permissions**
 - User and Group Permissions
 - Credential Vault
 - Resource Policies
- Portal Settings
 - Global Settings
 - URL Mapping
 - Custom Unique Names
 - Supported Markups

Neue Features: Resource Monitoring

- ToDo

Neue Features: Theme Customizer

- schnell und intuitiv Ergebnisse erzielbar
- kein Ersatz für Theme-Entwicklung
- könnte z.B. für Anpassungen in virtuellen Portalen oder Seitenbereichen sinnvoll sein

Auswahl Vertriebs-Dashboard

Zahlen zeigen für:

Momentan angezeigt: **noch nichts gewählt**

Teamsicht

Bitte einen Zeitraum auswählen

Fakturierte Aufträge

Bitte einen Zeitraum auswählen

Status Zielerreichung

Bitte einen Zeitraum auswählen

Auftragsbestand

Bitte einen Zeitraum auswählen

Konfiguration Auftragslisten

Aufträge ab folgenden Mindestwerten anzeigen:

Umsatz:

DB:

SalesDashboard Admin

Admin Portlet Sales Dashboard

Statistik zurücksetzen

Fazit neue Features

- vieles funktioniert schon direkt
- Dokumentation im InfoCenter schon fast auf GA-Niveau
- für manche Elemente (z.B. WebAppIntegrator) wirkt das Konzept noch nicht ganz durchdacht oder ist zumindest noch nicht dokumentiert
- konkreter Projekt- bzw. Kundennutzen (z.B. Theme Customizer) fraglich

Agenda

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- Verwendung der neuen Features
- Zusammenfassung und Fazit

Zusammenfassung

- Deployment und Migration bestehender Anwendungen: beruhigender Ausblick aus Entwicklungssicht auf Portal 6.1
- PortletFactory 6.1: viele interessante neue Features, z.T. nicht ganz konsequent umgesetzt
- Rational-Tools: nur sehr mühsam möglich
- Neue Features (soweit erprobt): alles macht schon einen guten bis sehr guten Eindruck, wirklicher Nutzen muss sich z.T. noch erweisen

Zusammenfassung

- kein (!) Absturz während der mehrtägigen Testphase
- häufig „Incident Streams“, aber keine Stabilitätsprobleme
- ab und zu inaktivieren sich Seiten selbständig
- wirkt insgesamt (deutlich) stabiler als frühe 5er oder 6.0er Releases

Fazit

- Migration auf Portal 6.1 sicher lohnend
- Migrationsaufwände sind entwicklungsseitig überschaubar
- Tool-Support zu diesem frühen Zeitpunkt bereits recht gut, Rational muss die Lücke aber bald schließen
- Die ersten Projekte mit Portal 6.1 (Neuinstallationen und Migrationen) können mit gutem Gefühl gestartet werden!

Vielen Dank für Ihre Aufmerksamkeit!