

Host Dialog Applications in Oracle-Portal

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1 Introduction

In many companies diverse information are presented in portals, to allow access independent from place and time. To integrate also host dialog applications into portals, portlets for integration of these applications are provided from this version of *WebTransactions* on.

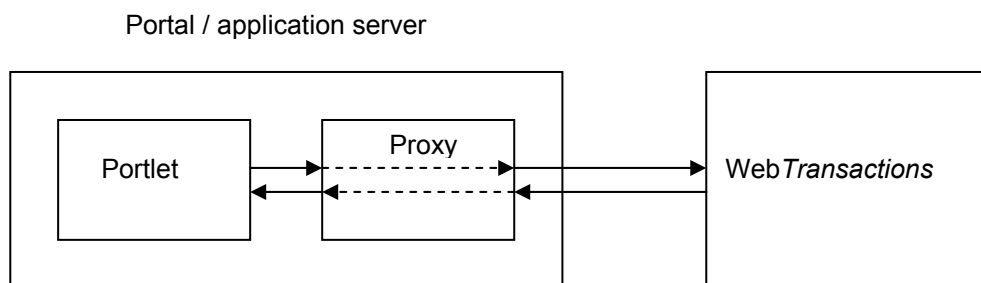
2 Installation

The portlet is provided in the EAR-file *WTPortletOracle.ear*; this must be installed as application in *OC4J_Portal* and the portlet provider must be registered.

Additional the proxy contained in the file *WTPProxy.ear* must be installed in a way, so it can be addressed in the directory *WTPProxy* (relative to server). Therefore you install the EAR-file with "Install EAR-file" and enter as application name and for the URL Mapping *WTPProxy* respectively.

3 Requirements for the *WebTransactions* application

The portlets use internally a proxy for the communication with *WebTransactions*. The workflow in principle is shown in the following diagram:



This proxy makes portal specific modifications to the generated pages before they are shown in browser. This ensures that references (e.g. to pictures) are not resolved around the Portal. Because of this design and because the portlets are shown only on a part of a page, there are some restrictions for the templates:

- It must not be tried to use the complete browser window for output. Therefore in scripts there may be no constructs like `top.location = ...`, in links no `target="_top"` may occur.
- The proxy only passes the http header "User-Agent" to *WebTransactions*.
- Replacements in the answers are only done if the Content-Type is `text/html` or `text/javascript`.
- Addresses in the document are modified, so that they address the proxy. Addresses are recognized in the attribute `href` of the `a` and `link` tags; in the attribute `src` of the tags `frame`, `iframe`, `img` and `script`, and in the attribute `action` in the `form` tag. Addresses in Javascript are only recognized (and modified), if they are behind a `=` (i.e. in assignments) and if the variable, to which they are assigned, ends with `document.location`, `document.location.href` or `.src`.

4 Roaming Sessions

The applications must be Roaming-able.

5 Customization and Personalization

5.1 Mandatory attributes

To select the host dialog application shown in the portlet, the following 4 attributes must be set; this should be done by the administrator while creating the portlet and should not be changeable by portal users.

- Server
The server of *WebTransactions*, which connects to an host dialog application. The complete symbolic name or IP address including the protocol must be specified. If not the standard port should be used the port must also be specified. (e.g. `http://www.fujitsu-siemens.com:8080`)
- Path

- The path to the WTPublish program (e.g. cgi-bin/WTPublish.exe)
- Basedir
The complete path of base directory; use / as divider between directories also for Windows systems (e.g. c:/basedirs/test)
- Starttemplate
The name of the start template (e.g. startOSD)

5.2 Additional attributes

- User
If this attribute has a value, the parameter user is appended to the StartURL.
- Passwort
If the attribute User is set, the value of this attribute is appended to the StartURL as parameter pwd.
- Roaming-Id
If this attribute has a value, this value, supplemented by the prefix R-, will be appended to the StartURL as parameter WT_SYSTEM_SESSION, to start or continue a roaming session.
If this attribute is not set, a roaming session id is build from the portlet id and the name of the logged in user.
- Free attributes
For controlling the host application up to 10 more attribute can be choosen. The names of these attributes are AttrnName (n is a digit); if an attribute has a value, this value and the value of the corresponding attribute AttrnValue form a name value pair which is appended to the StartURL.

5.3 Substitution in attribute values

To get a high flexibility, substitution will be made in the attributes User, Roaming-Id and the free attributes.

The text ...	will be substituted by ...
<ATT_USER>	the value of the attribute User
<ATT_ROAM>	the value of the attribute Roaming-Id
<ATT_0> to <ATT_9>	the value of the attribute Attr0Value to Attr9Value
<USERID>	the Id of the portal user

5.4 Personal Settings

While editing the default settings, it is defined which attributes the end user may personalize. Therefore every attribute line has a checkbox, which must be marked to enable personalization of the corresponding attribute. With the default settings no attribute may be personalized.

Enter your values

Mark the attributes which should be customizable

Example

Server: *http://www.example.com:5678*

Path: *cgi-bin/WTPublish.exe*

Basedir: *c:/basedirs/dir1*

Starttemplate: *startOSD*

User:

Password:

Roaming-Id:

additional attributes

	name	value
<input checked="" type="checkbox"/> attribute 0:	<input type="text" value="additional"/>	<input type="text"/>
<input type="checkbox"/> attribute 1:	<input type="text" value="extra"/>	<input type="text" value="3"/>

Extract from the page to define the default values and the attributes which can be personalized

Enter your values

Example

Starttemplate: *startOSD*

additional:

The personalization dialog resulting from these settings