



QuickClip Portlet, BEA WebLogic Edition Administration Guide

Version 6.2
February 2007



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Administration Guide

This guide describes QuickClip Portlet, BEA WebLogic Edition for BEA WebLogic Portal 9.2.

Introduction

The QuickClip Portlet is a lightweight web clipping portlet for BEA WebLogic Portal created by Kapow Technologies. Web Clipping is the reuse of a web-based application (or part of one) in another web based application, such as a portal.

Let us say that you want to surface a standard intranet web application in a portal, but you do not want to reimplement the application as a portlet. You want everything from the application to appear and function as in the application itself. If you use QuickClip Portlet, BEA WebLogic edition, you can surface the web application in a portlet. As you navigate through the application, it remains in the portlet with the same look and feel as the original application. Even if the web application requires authentication, you can log into the portal, and QuickClip Portlet, BEA WebLogic Edition can log you into the application automatically.

Who Should Read This Guide

You should read this guide, if you are a WebLogic Portal Administrator and you want to use QuickClip Portlets in your WebLogic Portal.

Requirements

Technical Requirements

The QuickClip Portlet requires Workshop for WebLogic 9.2. Besides this all you need to do is to install the BEA WebLogic QuickClip Portlet in your BEA home. Installation is described in the QuickClip Portlet, BEA WebLogic Edition Installation Guide. The installation will take care of setting up the necessary run-time environment for the QuickClip Portlet.

Reader Requirements

You must be familiar with the basic use of BEA WebLogic Portal administration. For this we refer you to the BEA's on-line documentation.

Creating a QuickClip Sample Portal in Portal Administration

In this section we will show how to create portal desktop from the sample portal that comes with the QuickClip Portlet installation. Before you start, open WebLogic Workshop and create a portal application with portal project, then install the QuickClip Portlet with Samples in the portal project, as described in the QuickClip Portlet, BEA WebLogic Edition Developer Guide.

Starting the Server

Before you can begin using the WebLogic Administration Portal tools, you must start the server. How to do this is described in the BEA WebLogic Portal 9.2 Documentation found on BEA's e-e-docs web site: <http://e-docs.bea.com/wlp/docs92>. See the Getting Portal Development Guide for instructions on starting a WebLogic Server and the WebLogic Administration Portal.

Setting up a portal domain for the QuickClip Portlet

In order to run portlets that contain QuickClip Portlets, you must also start the the Kapow RoboServer. This was installed with the QuickClip, as described in the QuickClip Portlet, BEA WebLogic Edition Installation Guide. RoboServer must be running on the same machine as WebLogic Server. There are several ways to ensure that you have a RoboServer running. The easiest way is to use the 'Start RoboServer' tool from the toolbar in Workshop for Weblogic. The preferred method for a production environment is to change the startWebLogic script of your domain so that a RoboServer is started when you start your WebLogic server, as described in the Installation Guide. You may also start the RoboServer independently of the WebLogic Server, as described in the BEA QuickClip Portlet Developer Guide.

Starting the WebLogic Administration Portal

You may do this by opening a browser and enter the following URL:

`http://<hostname>:<port>/<enterprise_app_folder_name>Admin`

where <enterprise_app_folder_name> is the name if your portal application. For example, the default URL is: `http://localhost:7001/quickClipAdmin`.

Use your administrator credential to log in to the portal, for example, `weblogic/weblogic`.

Creating a New Portal

Once you are logged in to Administration Console go to Portal Management. Now click on Portals in the Portal Resources tree, and click on Create New Portal. Fill out the form with appropriate values and click on save to save your new portal.

Creating a Desktop

Now create a desktop. Click on create Desktop button from your portal. Select a .portal file as the creation method and search for 'quick'. Then choose the `quickclip-sample.portal`. Enter a Title for the desktop, a Partial URL. Finish the wizard and you have created a new Desktop.

Viewing the Desktop

To view the desktop, click on the desktop in the list of desktops contained in your portal and then click on View Desktop. This will start a browser showing your portal with the QuickClip Sample

Portal. You may now log in to the portal either as an administrator or some other user (how to create other user is described in the BEA WebLogic Portal 9.2 Documentation). Once logged in you may look at the six sample portlets on the portal. You may actually see three of the six portlets without logging in, namely: Fixed Start URL, Common Form Login, Common Basic Login. The six portlets demonstrate the six different ways in which you may configure the QuickClip Portlet. You may try to change some of the preferences for the portlets that allow you to do so, for example, **User Set Start URL**. When you have done this and familiarized yourself with the different sample portlets, we can start looking at how to add your own QuickClip Portlets to a portal.

Adding a QuickClip Portlet to a Portal

Since the sample portlets represent all the different ways you can configure a QuickClip portlet, you can always use one of these as your starting point for creating a new instance of the QuickClip Portlet. We will show how to create a new QuickClip Portlet with a fixed start URL.

1. First, fully expand the desktop node in the Portal Resources tree. You do this by clicking on the + sign next to the nodes.
2. In the Portal Resources tree, locate the node Fixed Start URL and click on this. In the list of available portlets, find the one called 1. QuickClip - Fixed Start URL and click on the Add Page Content button next to this. This will add a new QuickClip Portlet to the page.
3. Click on the portlet that you have just inserted (the two portlets are identical so you can choose whichever you like). Give the portlet a new name such that you can distinguish it from the other portlet of the same name.
4. Change the preferences of this new portlet. You do this by opening the Portlet Preferences tab from where you can change the preferences of the portlet. Change the Start URL of the portlet to something else. Click on the Edit button next to the preference called startUrl, change the URL to something new, for example, www.google.us, and press Save Portlet Preference.
5. Go back to the Fixed Start URL page and go to the Position Page Contents tab. Place the two portlets where you want them to be. Open your portal again and look at the Fixed Start URL page where you will see your new QuickClip Portlet.

In this way you may add any of the six different types of QuickClip Portlet to any portal desktop you like. The other types of QuickClip Portlets have other preferences that you may change to create new instances of these. The next section will describe these preferences in detail.

QuickClip Portal Preferences

This chapter gives an overview of all the portlet preferences of the QuickClip Portlet as they appear in the `portlet.xml` file in a portal project.

In general there are six different QuickClip portals defined by the portal type and the method of authentication as shown in the table below.

Table 1: Six different QuickClip Portlets

	No login	Login	
		Form Based	Basic HTTP
Common	1. Fixed Start URL	3. Common Form Login	5. Common Basic Login
Individual	2. User set Start URL	4. Individual Form Login	6. Individual Basic Login

portletType

This preference value determines the type of the portlet. By type we mean whether the portlet may be configured individually by an end-user or not. If the portlet type is set to `COMMON` then all preferences have to be set by an administrator. If the portlet type is set to `INDIVIDUAL` the end-user can configure different values depending on other preferences. The rule determining which preferences the end-user may configure when the portlet type is `INDIVIDUAL` is as follows:

Figure 1: Two kinds of configuration

`AuthMethod=NONE`: end-user may configure `startUrl` and `browseOutsideDomain`

`AuthMethod?NONE`: end-user may configure `individualUsername` and `individualPassword`.

authMethod

Each of the two portlet types have three different kind of authentication methods. This preference value specify whether the portlet will have to authenticate the user on the remote site and if so what method to use. The possible values are:

- `NONE` meaning that authentication is not required by the server or the application.
- `BASIC` meaning that basic HTTP based authentication is required by the remote webserver.
- `FORM` meaning that form based authentication is required by the remote web application.

startUrl

This preference value determines both the first page shown in the clip and the part of the remote sites domain that will be shown in the portlet. If the `startUrl` is `http://www.kapowtech.com` then the QuickClip Portlet will start loading this URL into its view. If a user navigates in the portlet, for example, click on a link then if the URL of this link is in a domain that matches the pattern `*.kapowtech.com` then the new page will be shown in the portlet's view; otherwise it would be shown in a new browser window or it would not be shown at all (this depend on the setting of the `browseOutsideDomain` preference described shortly). If the `startUrl` does not start with `www` then only URLs with domain equal to that of the `startUrl` will be shown in the portlets view.

Depending on the portlet's type (the value of the preference `portletType`), the `startUrl` may be set by an administrator or by an end-user. If the type is Common (`portletType=COMMON`), then the `startUrl` is set by an administrator. If the type is Individual (`portletType=INDIVIDUAL`) and does not require authentication (`authMethod=NONE`), then the `startUrl` may be change by an end-user. In this case, an administrator will set the initial value of the `startUrl`, but the end-user can then change this from the portlet's edit page. If the portlet requires authenticated it will show the content of page specified by the `startUrl` after it has processed the login action.

browseOutsideDomain

This preference value is closely coupled to the `startUrl`. It determines what will happen when an end-user click on a link in the portlet to a page out side the domain specified by the `startUrl`. If `browseOutsideDomain` is set to **TRUE** then such an action will result in the target pages opening in a new browser window. If it is set to **FALSE** then the link will be deactivated and the target page may not be accessed.

individualUsername

This is the individual user name supplied by end-users. It should never be set by administrators, but the preference should always be present in the portlet element for the portlet if this requires authentication.

individualPassword

This is the individual password supplied by end-users. It should never be set by administrators, but the preference should always be present in the portlet element for the portlet if this requires authentication. The password is encrypted before it is saved in the portal's backing store.

If you are an administrator of the portal you should not to set any values for the `individualUsername` or `individualPassword`. It is unclear in the portal specification if these values are individual for the administrator only or should be treated at initial values for each end-user. You may risk exposing administrative credentials to a site, so be carefull. You should however make sure that the preferences are present for all portal that requires an individual login.

loginFormAction, loginFormMethod, usernameParameterName and passwordParameterName

The `loginFormAction` preference is the URL value from the action attribute of the login form of the remote site. The `loginFormMethod` specifies whether the login form uses POST or GET method to submit the form. The `usernameParameterName` and the `passwordParameterName` are the parameter names used by the login form to submit the username and password values. As an example take look at the login form in Figure 2: A Sample Login Form . In this case the preferences should be set to the values shown in

Table 2. If the action is not an absolute URL you should make it absolute.

Figure 2: A Sample Login Form

```
<form method="POST" action="http://www.kapowtech.com/formauth/login/j_security_check">
  <table>
    <tr><td width="100">Username:</td><td><input type="text" name="j_username"></td></tr>
    <tr><td>Password:</td><td><input type="password" name="j_password"></td></tr>
    <tr><td></td><td><input type="submit" value="Login"></td></tr>
  </table>
```

</form>

Table 2: Preferences Values for the Sample Login Form

loginFormAction	http://www.kapowtech.com/formauth/login/j_security_check
loginFormMethod	POST
usernameParameterName	j_username
passwordParameterName	j_password

administratorRole

This preference specifies which roles on a portal should be considered as administrators with respect to the QuickClip Portlet. The only effect this has is that user belonging to any of these user groups will see more detail error messages when error occurs in a QuickClip Portlet. The purpose of this is to make it easier for creators of QuickClip Portlets to verify that their portlets are working correctly and in case of errors quickly see what the cause is without having to browse through thousands of lines of log files.

Preference Summary

Table 3 summarizes the preferences used by the QuickClip Portlet.

Table 3: The QuickClip Preferences

Preference name	Meaning	Examples
startUrl	The URL first loaded into the clip. The start URL also specifies the clipped domain.	http://www.kapowtech.com
browseOutsideDomain	The value of this preference specifies what is going to happen with links that lead outside the clipped domain. If the value is set to FALSE the links are inactive and if it is set to TRUE, the links will open in a new browser window.	TRUE, FALSE
authMethod	This is the authentication method. Possible values are: NONE, if the site requires no authentication, FORM if the site uses form based login, BASIC if the site uses basic HTTP based authentication	NONE, FORM, BASIC
portletType	This specifies whether the portlet is for common or individual use.	COMMON, INDIVIDUAL
individualUsername	The username used for individual login.	joe
individualPassword	The username used for individual	xY4zQ5

	login. This can only be set by a portal user from the edit page of the portlet.	
commonUsername	The username used for single login, i.e. when the credentials are set by the administrator. Can never be set from the edit page.	joe
commonPassword	The password used for single login, i.e. when the credentials are set by the administrator. Can never be set from the edit page.	xY4ZQ5
loginFormAction	This is the action from the form that the remote site uses for login.	http://www.kapowtech.com/formauth/login/j_security_check
loginFormMethod	This specifies whether the login form uses method GET or POST. Possible values are POST and GET.	POST, GET
usernameParameterName	This is the name of the username field in the login form.	j_username
passwordParameterName	This is the name of the password field in the login form.	j_password
administratorRole	This specifies which roles on a portal should be considered as administrators with respect to the QuickClip Portlet.	Admin, PortalSystemAdministrator etc.

For a given portlet not all preferences may need to be specified. Which preferences that will be needed may depend on values of other preferences. The following preferences are always required: startUrl, browseOutsideDomain, authMethod, portletType and administratorRole. The remaining preferences are optional, but may be required if other preferences have given values. Table 4 shows these dependencies.

Table 4: Preferences Dependencies

Preferences settings	Additional required preferences
portletType= COMMON and authMethod= FORM	commonUsername, commonPassword, loginFormAction, loginFormMethod, usernameParameterName, passwordParameterName
portletType= INDIVIDUAL and authMethod= FORM	individualUsername, individualPassword, loginFormAction, loginFormMethod, usernameParameterName, passwordParameterName
portletType= COMMON and authMethod= BASIC	commonUsername, commonPassword, loginFormAction

QuickClip Portal Preferences

portletType= INDIVIDUAL and authMethod= BASIC	individualUsername, individualPassword, loginFormAction
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