

**JBoss Portal 2.7.2**

# **Quickstart User Guide**

**February 2009**

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JBoss Portal - Overview .....	v
<b>1. Tutorial Forward .....</b>	<b>1</b>
<b>2. Installation .....</b>	<b>3</b>
2.1. Downloading and Installing .....	3
2.2. Starting JBoss Portal .....	3
<b>3. Portal Terminology .....</b>	<b>7</b>
<b>4. Interaction with the Portal .....</b>	<b>11</b>
4.1. Window States .....	11
4.2. User Creation .....	13
4.3. Administrator Login .....	16
4.4. Content Management .....	18
4.5. Portal Management .....	31
<b>5. Deploying Portlets .....</b>	<b>47</b>
<b>6. Tutorial End .....</b>	<b>59</b>

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## JBoss Portal - Overview



Many IT organizations look to achieve a competitive advantage for the enterprise by improving business productivity and reducing costs. Today's top enterprises are realizing this goal by deploying enterprise portals within their IT infrastructure. Enterprise portals simplify access to information by providing a single source of interaction with corporate information. Although today's packaged portal frameworks help enterprises launch portals more quickly, only JBoss® Portal can deliver the benefits of a zero-cost open source license, combined with a flexible and scalable underlying platform.

JBoss Portal provides an open source and standards-based environment for hosting and serving a portal's Web interface, publishing and managing its content, and customizing its experience. It is entirely standards-based, and supports the [JSR-168 Portlet Specification \(Portlet 1.0\)](http://www.jcp.org/en/jsr/detail?id=168) [http://www.jcp.org/en/jsr/detail?id=168] and [JSR-286 Portlet Specification \(Portlet 2.0\)](http://www.jcp.org/en/jsr/detail?id=286) [http://www.jcp.org/en/jsr/detail?id=286], which allows you to easily plug-in standards-compliant portlets to meet your specific portal needs. JBoss Portal is available through the business-friendly [LGPL](http://jboss.com/opensource/lgpl/faq) [http://jboss.com/opensource/lgpl/faq] open source license, and the JBoss Enterprise Portal Platform is supported by [JBoss Enterprise Middleware Professional Support and Consulting](http://www.jboss.com/services/index) [http://www.jboss.com/services/index]. JBoss support services are available to assist you in designing, developing, deploying, and ultimately managing your portal environment. JBoss Portal is currently developed by JBoss Enterprise Middleware developers, and community contributors.

The JBoss Portal framework and architecture include the portal container, and support a wide range of features, including standard portlets, single sign-on, clustering, and internationalization.

Portal themes and layouts are configurable. Fine-grained security administration -- down to portlet permissions -- rounds out the security model.

### JBoss Portal Resources:

1. [JBoss Portal Home Page](http://labs.jboss.com/jbossportal) [http://labs.jboss.com/jbossportal]
2. Forums: [User](http://www.jboss.org/index.html?module=bb&op=viewforum&f=215) [http://www.jboss.org/index.html?module=bb&op=viewforum&f=215] | [Design](http://www.jboss.org/index.html?module=bb&op=viewforum&f=205) [http://www.jboss.org/index.html?module=bb&op=viewforum&f=205] | [WSRP](http://www.jboss.org/index.html?module=bb&op=viewforum&f=232) [http://www.jboss.org/index.html?module=bb&op=viewforum&f=232]
3. [Wiki](http://www.jboss.com/wiki/Wiki.jsp?page=JBossPortal) [http://www.jboss.com/wiki/Wiki.jsp?page=JBossPortal]
4. [PortletSwap.com Portlet Exchange](http://www.portletswap.com) [http://www.portletswap.com]
5. [Our Roadmap](http://jira.jboss.com/jira/browse/JBPORTAL?report=com.atlassian.jira.plugin.system.project:roadmap-panel) [http://jira.jboss.com/jira/browse/JBPORTAL?report=com.atlassian.jira.plugin.system.project:roadmap-panel]

The JBoss Portal team encourages you to use this guide to install and configure JBoss Portal. If you encounter any configuration issues or simply want to take part in our community, we would love to hear from you in our forums.

# Tutorial Forward

**Kevin Barfield**

**Chris DeLashmutt**

**Xi Huang**

Welcome to the JBoss Portal Quickstart tutorial. In this tutorial, you will:

- Download and unzip the JBoss Portal bundle
- Execute the JBoss Portal
- Interact with the default portal
- Create and edit content in the JBoss Portal
- Manage the JBoss Portal
- Add a new portlet to the JBoss Portal

Before we get started, a couple of notes about this tutorial:

- For those that are not familiar with portals or portlets, please start with this article on portals: <http://java.sys-con.com/read/131819.htm>
- This guide is not intended to show all of the features of JBoss Portal. The intention is to show how to use the basic functionality of JBoss Portal. There is also a user guide and reference guide that will assist you with further use of JBoss Portal.
- This guide was created with JBoss Portal 2.6.2. This guide is expected to be forward compatible with future versions of Portal (although the screenshots may vary slightly).
- JBoss Portal is platform independent, but this guide was developed using a Linux-based platform. This guide should work equally well for Unix/Linux/Windows installations because JBoss Portal is 100% Pure Java. Obviously, you may need use the run.bat instead of run.sh and use forward slashes instead of backslashes, etc.





# Installation

Kevin Barfield

Chris DeLashmutt

Xi Huang

## 2.1. Downloading and Installing

The JBoss Portal bundle contains everything needed to execute JBoss Portal with the exception of Java itself. The JBoss Application Server in the JBoss Portal bundle requires either JDK 1.5 or JDK 1.4. If you do not have one of these on the machine that JBoss Portal will be running on, please download it here: [http://java.sun.com/javase/downloads/index\\_jdk5.jsp](http://java.sun.com/javase/downloads/index_jdk5.jsp). Once you have Java installed, you are ready to download the JBoss Portal bundle. The following link has the list of downloads for JBoss Portal: <http://labs.jboss.com/portal/jbossportal/download> [<http://labs.jboss.com/portal/jbossportal/download>]. Download the "JBoss Portal + JBoss AS" bundle by clicking the "Download" link on the right of the page. From here, you will need to unzip it to your machine (Note: If you do not have a ZIP utility, please go to this link to get it: <http://sourceforge.net/projects/sevenzzip> [<http://sourceforge.net/projects/sevenzzip/>]). Once you have unzipped it, you should have a directory structure with the following folders under, jboss-portal-2.6.2-GA:

- **bin** - Contains the startup/shutdown commands for the JBoss Portal
- **client** - Contains client libraries
- **docs** - Contains documentation for the JBoss Portal
- **lib** - Contains libraries
- **server** - Contains JBoss Application Server configuration and the jboss-portal.sar file in the "deploy" directory

## 2.2. Starting JBoss Portal

Go to the bin directory and double click on the run.sh (or run.bat). A command window should come up displaying the startup messages for JBoss Portal (Figure 1).

```

cdelashmutt@cdelashmutt:~/JBoss/jboss-portal-head/bin
View Terminal Tabs Help
i,371 WARN [LoadContexts] fail-safe cleanup (collections) : org.hi
.loading.CollectionLoadContext@1ba70e5<rs=org.hsqldb.jdbc.jdbcResu
i,384 INFO [TomcatDeployer] deploy, ctxPath=/portal-weather-sample
tmp/deploy/tmp37182portal-weather-samples-exp.war/
i,505 WARN [config] Unable to process deployment descriptor for co
i,710 WARN [LoadContexts] fail-safe cleanup (collections) : org.hi
.loading.CollectionLoadContext@573206<rs=org.hsqldb.jdbc.jdbcResul
i,736 INFO [TomcatDeployer] deploy, ctxPath=/portal-widget, warUrl
y/tmp37183portal-widget-exp.war/
i,230 INFO [Http11Protocol] Starting Coyote HTTP/1.1 on http-127.0
i,277 INFO [AjpProtocol] Starting Coyote AJP/1.3 on ajp-127.0.0.1-
i,306 INFO [Server] JBoss (MX MicroKernel) [4.2.1.GA (build: SVNTa
GA date=200707131605)] Started in 1m:4s:544ms
i,495 INFO [RegistrationInfo] The producer didn't require any spec
ion properties
i,495 INFO [RegistrationInfo] Using default registration data for
i,503 INFO [ProducerInfo] Refreshed registration information for c
d 'self'

```

Figure 1: Portal console

**Note**

If the database tables do not exist, you may see a lot of messages the first time the portal runs and it creates the tables. This is not an error.

Now, bring up your web browser and go to the following URL: <http://localhost:8080/portal>. You should see the default page for JBoss Portal (Figure 2).



Figure 2. Default page for the JBoss Portal.



# Portal Terminology

Kevin Barfield

Chris DeLashmutt

Xi Huang

JBoss Portal is made up of portals, portal containers, portal pages, and portlets. What are these things? Here are some definitions:

- **Portal:** Hosts the presentation layer for personalization, single sign on and content aggregation.
- **Portlet Container:** A Portal can host multiple portlet containers and each portlet container has its own runtime environment.
- **Portal Page:** Aggregation of portlets, organized and displayed on a single page.
- **Portlet:** A portlet is a Java technology based web component, managed by a portlet container, that processes requests and generates dynamic content.
- **Portlet Instance:** A portlet instance can be placed on multiple pages and will show the same state.

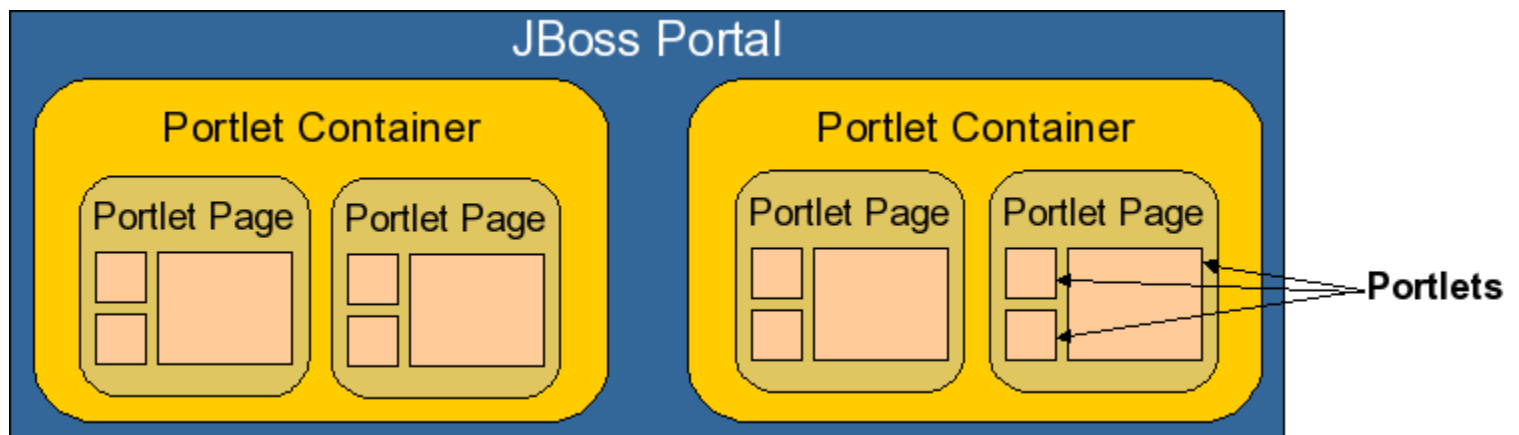


Figure 3. Portal Definition Diagram.

Now let's look at that default portal page again with these terms in mind (Figure 4).

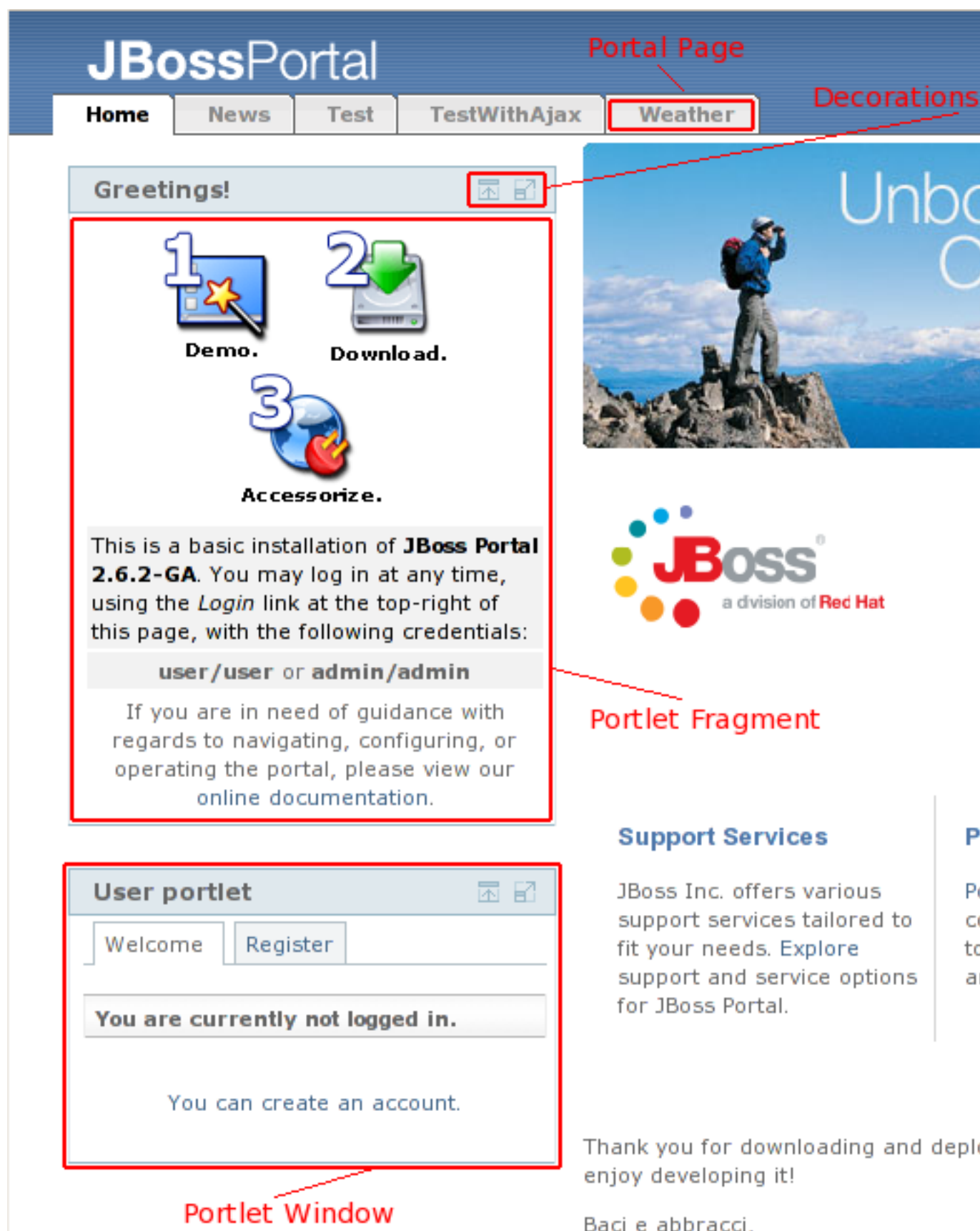


Figure 4. The default portal page with components highlighted.

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Now we see that the default portal we are looking at has five portal pages, and the default portal page has three portlets on it (greetings, user, and content view). In addition, we see that each portlet window is made up of decorations/controls and a portlet fragment (the content view does not have any decoration/controls). Each portlet can represent some fragment of information that you want to present to users. By having multiple portlets on a portal page, we can aggregate information from the portlets into a single browser window.





# Interaction with the Portal

Kevin Barfield

Chris DeLashmutt

Xi Huang

## 4.1. Window States

Each portlet in the portal page can be interacted with individually. Let's interact with a couple of portlets, and see the results. Click on the minimize icon on the "Greeting" portlet. The portlet is then minimized (Figure 5):

# JBossPortal

Home

News

Test

TestWithAjax

Weather

Greetings!


User portlet

Welcome


Register

You are currently not logged in.

You can create an account.



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O



## Support Services

JBoss Inc. offers various support services tailored to fit your needs. Explore support and service options for JBoss Portal.

Thank you for downloading and deploying JBoss Portal. We hope you enjoy developing it!

Baci e abbracci,

Figure 5. Default page with portlet minimized.

Click on the maximize button for that same portlet, and it now takes the entire page (Figure 6).

Click on the "resize" icon to return the portlet to its starting size.

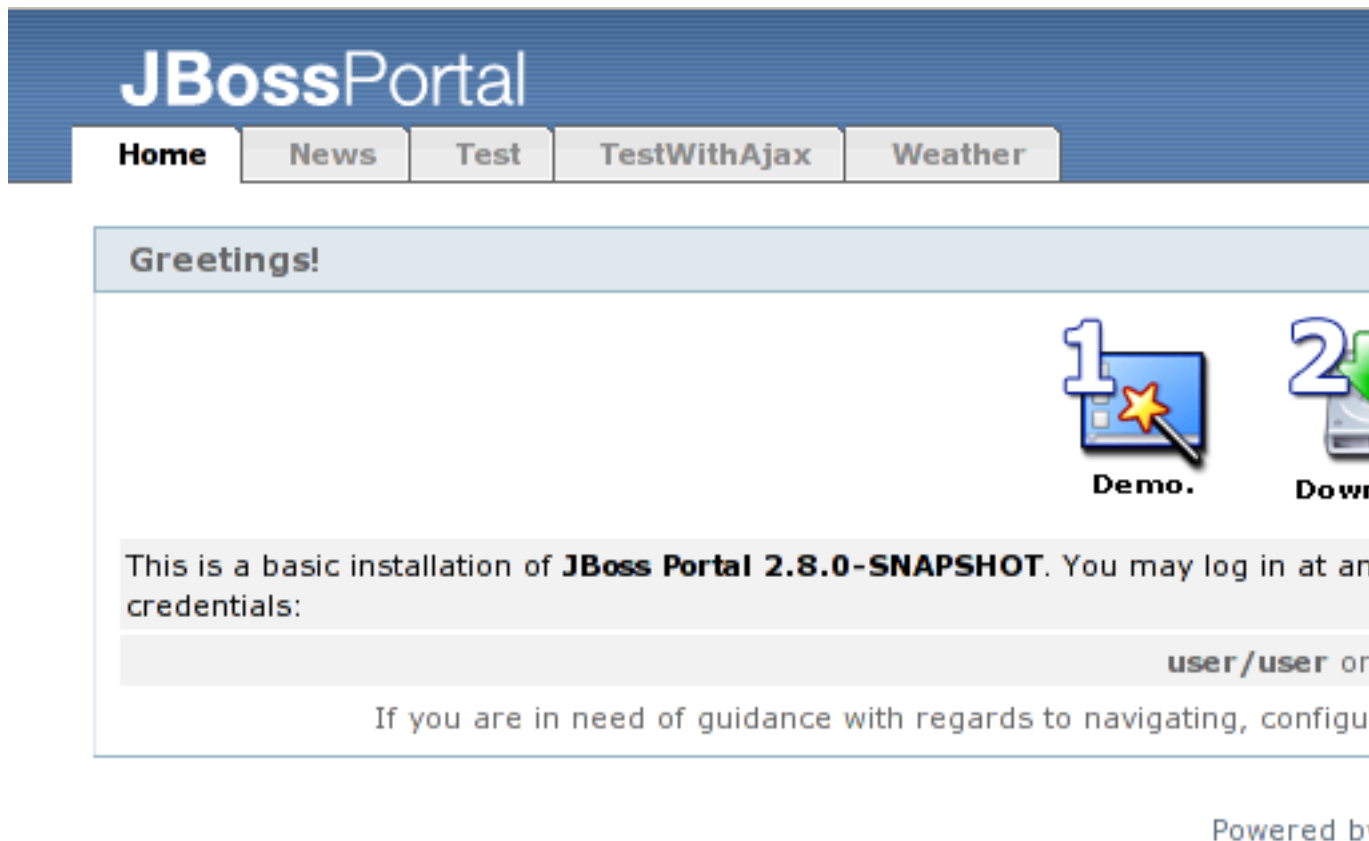



Figure 6. Portal with portlet maximized.

## 4.2. User Creation

Let's create a user for the portal. Click on the "Register" tab in the user portlet. The basic create user view now shows in the user portlet. Enter the information as shown in Figure 7 (password is starter). Once you have clicked "Submit" button, the user creation confirmation screen will show up (Figure 8). Validate the user information and then click on the "Submit" button to finish the creation of the new user.



JBoss Portal provides an open source platform serving a portal Web interface, publishing and content, and customizing its experience. While Portal frameworks help enterprises launch Port only JBoss Portal delivers the benefits of a zero license combined with a flexible and scalable u

### Support Services

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### PortletSwap

[Portletswap.com](#) is an open community sponsored by JBoss, Inc. to facilitate the exchange of portlets and layouts for use in JBoss Portal.

### Project

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our user  
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Thank you for downloading and deploying JBoss Portal. We hope your enjoy working wi  
developing it!

Baci e abbracci,  
The JBoss Portal Team.

Powered by JBoss Portal

Figure 7. The Create user view in the user portlet.



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**JBoss Portal**  
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The JBoss Portal Team.

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Figure 8. The user creation confirmation view.

This example models a user enrolling themselves in the portal security repository, and at this point the user could login and would have the default security role for the portal. Administrators can also control user administration from the Admin portion of the portal for more advanced user enrollment options. This will be covered in a later section.

### 4.3. Administrator Login

Now, click "Login". The login page will show (Figure 9). Log in with username and password of "admin"

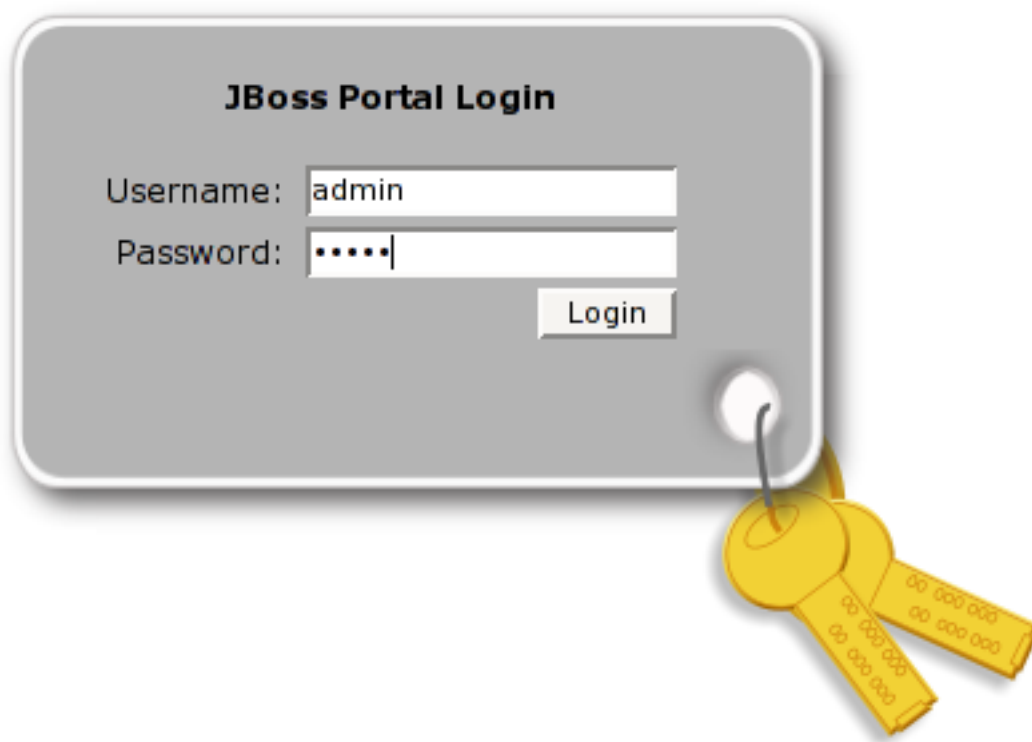


Figure 9. Portal login page.

Click "Login", and the portal will now show us a link to the Admin portal (top-right) (Figure 10).

# JBossPortal

[Home](#)
[News](#)
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## Greetings!

1


Demo.

2


Download.

3


Accessorize.

This is a basic installation of **JBoss Portal 2.6.2-GA**. You may log in at any time, using the *Login* link at the top-right of this page, with the following credentials:

**user/user or admin/admin**

If you are in need of guidance with regards to navigating, configuring, or operating the portal, please view our [online documentation](#).

## User portlet

[View profile](#)
[Edit profile](#)

### View profile

Username: admin

E-Mail: admin@portal.com




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Thank you for downloading and developing it!

Baci e abbracci

Figure 10. default portal page for administrator.

## 4.4. Content Management

Now that we are logged in, there is a portal page available for the content management and portal administration. Click on the "Admin" link, and then on the "CMS" tab. The CMS Admin portal page displays (Figure 11).

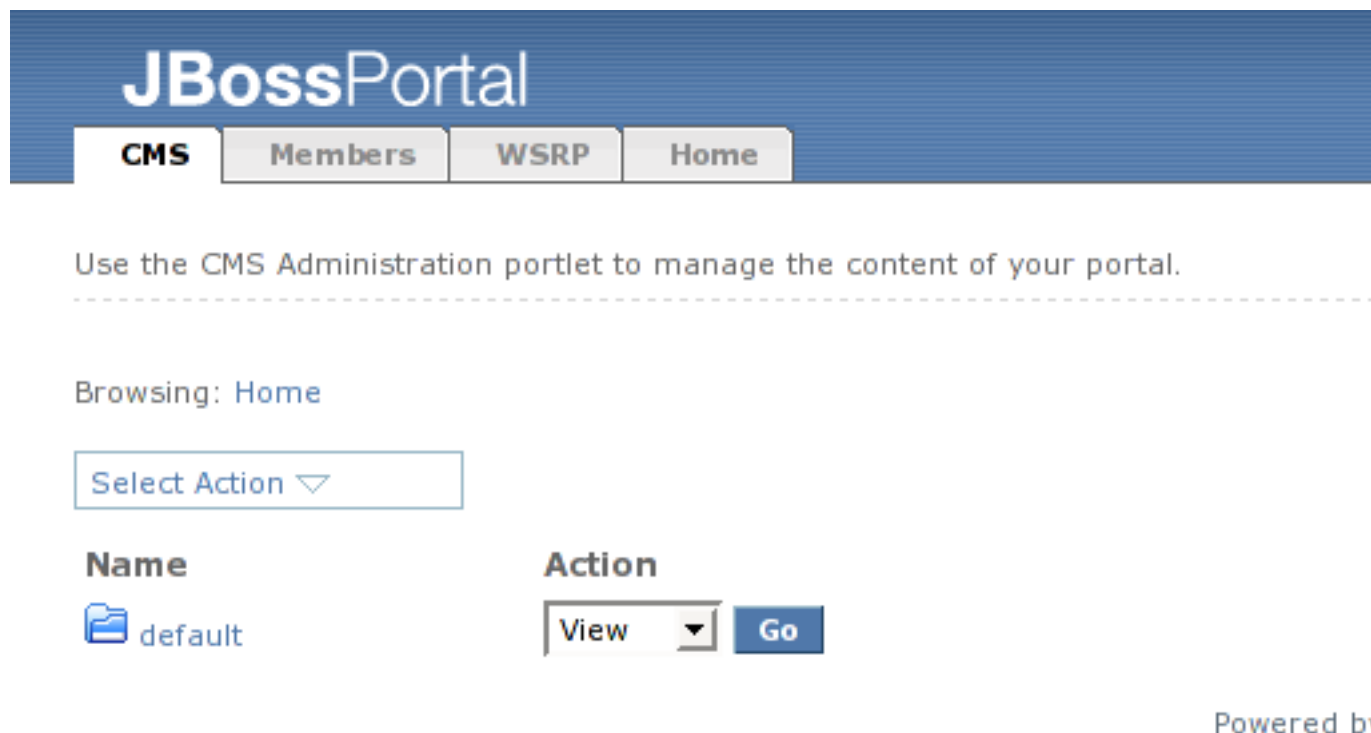


Figure 11. CMS Admin portal page.

The content management portlet allows users to create/delete files and folders, edit text/HTML files, and batch upload files. These files are then viewable through the content view portlet. HTML files can refer to other HTML files through the directory structure in the CMS. Different groups or departments in an organization can have their own area (directory structure) for the files/HTML pages they want to share on the Portal. Let's batch upload a set of HTML pages with images and style sheets. Mouse-over the "Select Action" dropdown menu, and click on the upload archive link. The upload archive view shows (Figure 12).



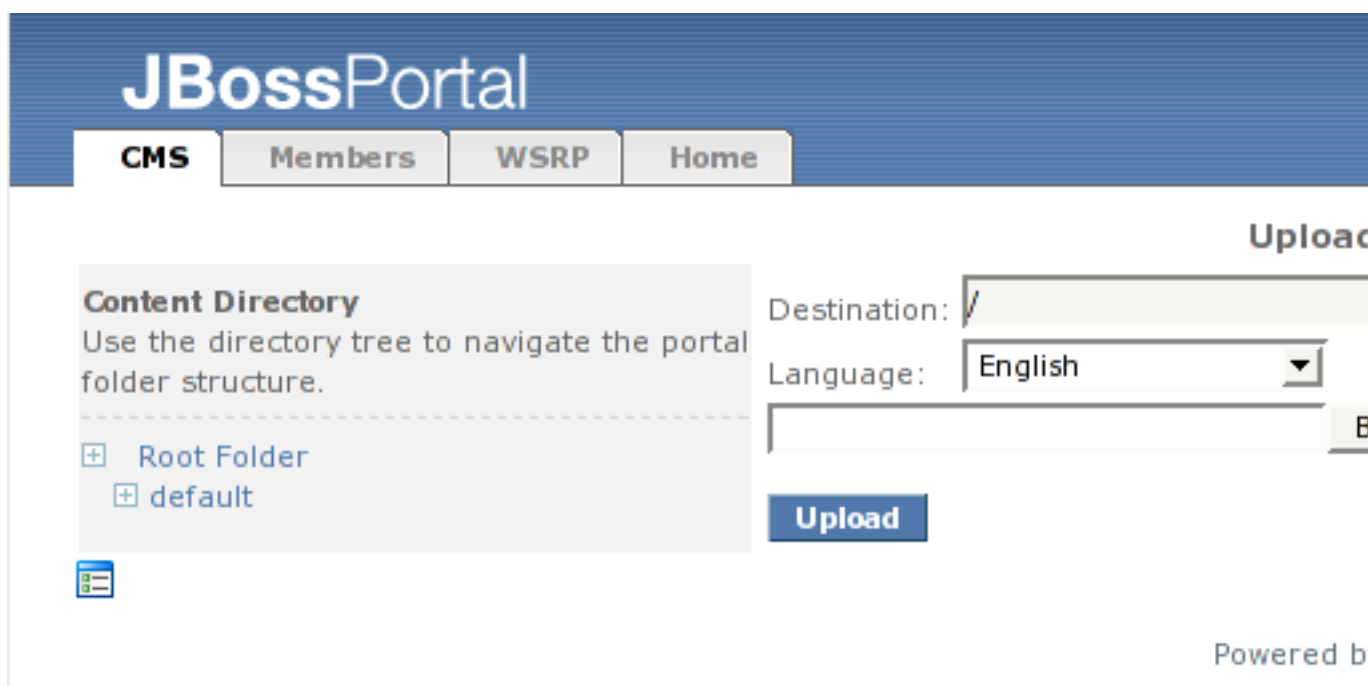


Figure 12. Upload Archive view.



### Note

Please use the quickstart.zip for the batch upload. You may also download it from [here](http://docs.jboss.org/jbportal/v2.6/quickstartuser/quickstart.zip) [http://docs.jboss.org/jbportal/v2.6/quickstartuser/quickstart.zip] .

You can choose the destination folder for the upload by selecting a folder from the tree control on the left side of the portlet. Then you can select the language of the files being uploaded from the drop down list. Finally, click "Browse" to find the file you want to upload (Figure 13).

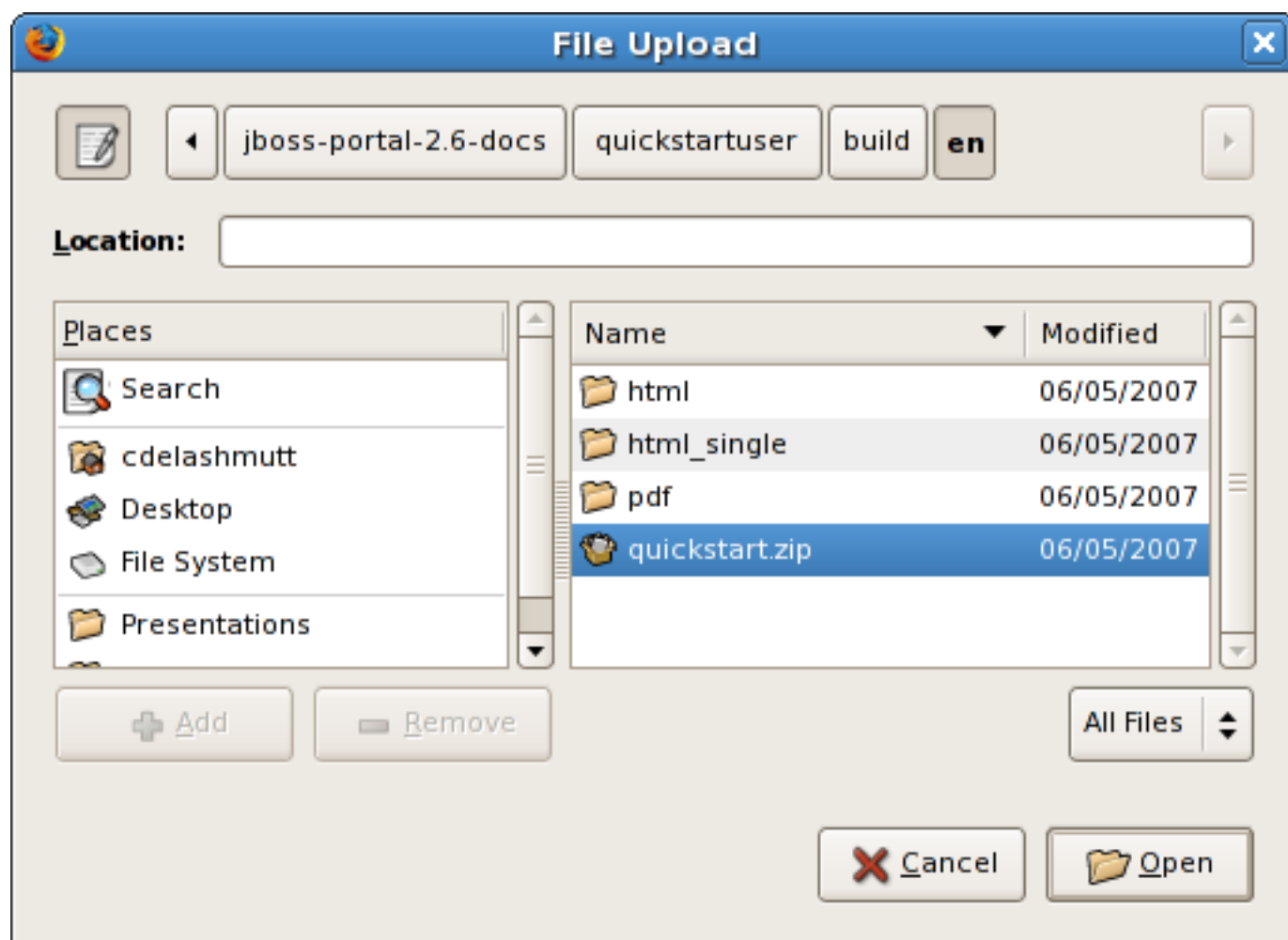


Figure 13. Choose file to batch upload.

Click on the quickstart.zip that you downloaded earlier (see note above) and select "Open". Finally, click the "Upload" button. The quickstart.zip file will be uploaded, extracted into the content repository, and the files and directories will now appear in the content management structure (see the new "quickstart" directory in Figure 14). This process may take a minute.

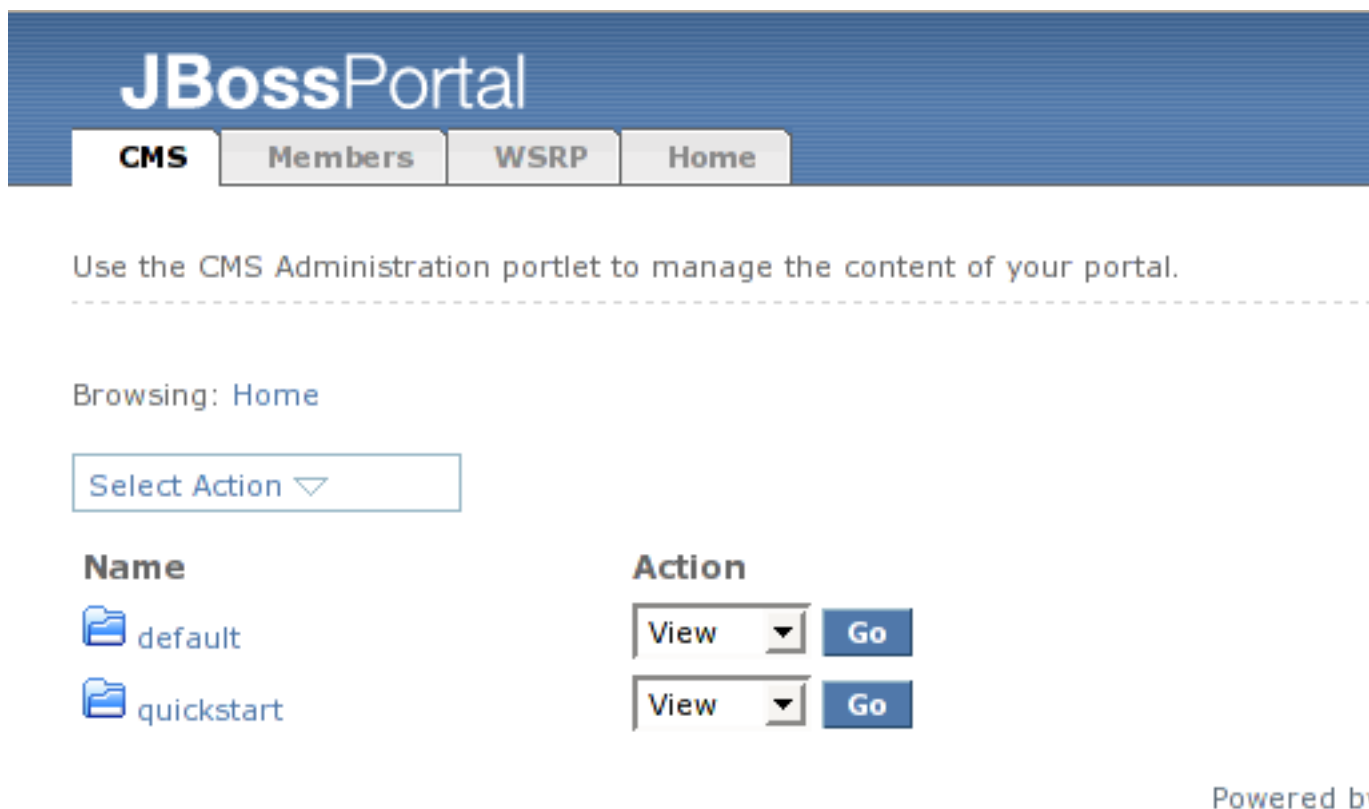


Figure 14. New quickstart directory shows in content management repository.

Click on the quickstart link to see the HTML files and sub-directories that were uploaded (Figure 15). Click on the "Home" link from the breadcrumbs at the top of the portlet to return to the top directory of the content manager repository (back to Figure 14).

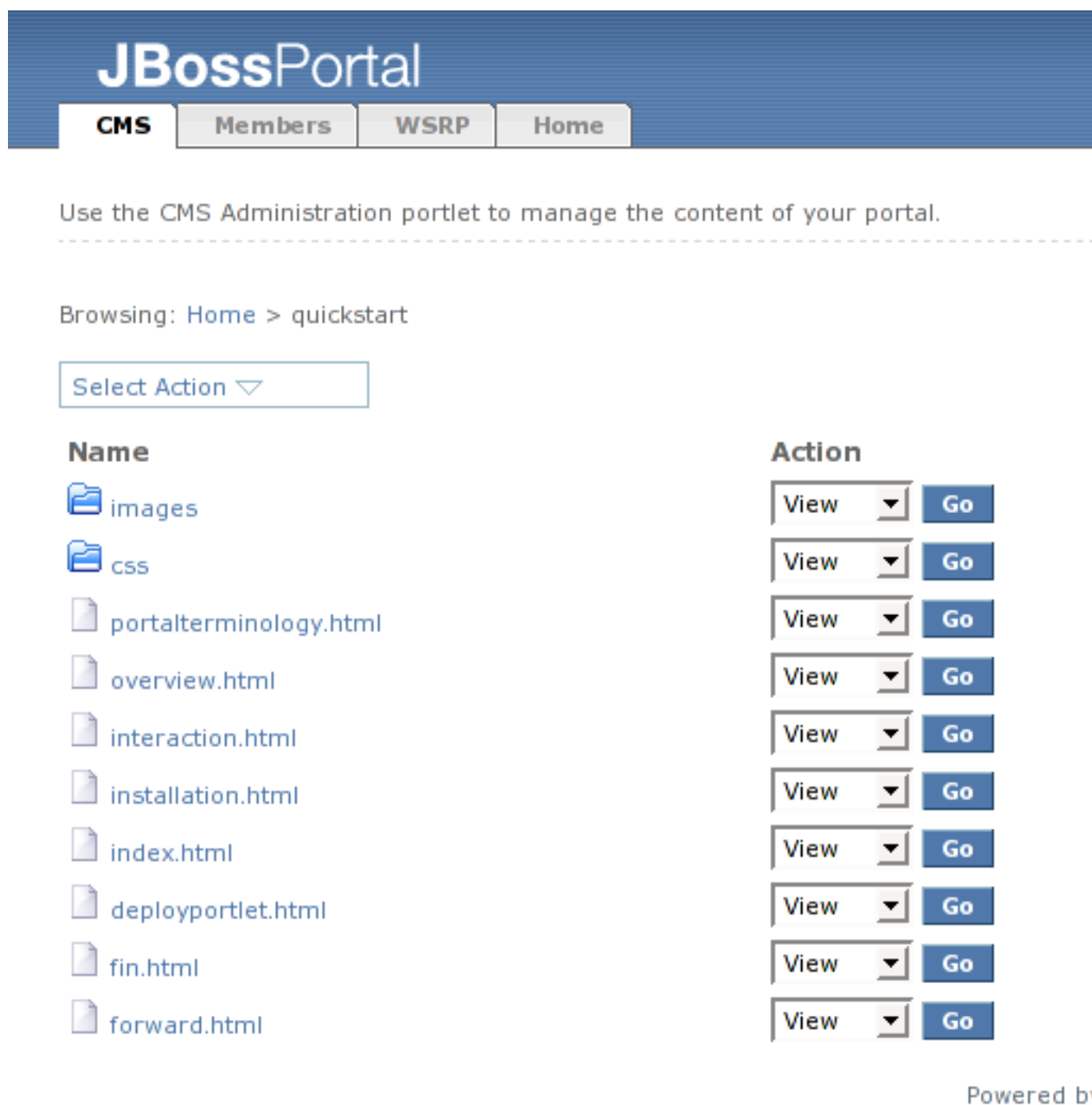


Figure 15. HTML files and sub-directories that were uploaded into quickstart directory shows in content management repository.

Let's edit the default page to contain a link to our new pages. Clicking on the default link, we can see two directories, as well as three HTML files (Figure 16).

The image shows the JBossPortal CMS Administration interface. At the top, there is a blue header with the JBossPortal logo and a navigation bar with tabs for CMS, Members, WSRP, and Home. Below the header, a message states: "Use the CMS Administration portlet to manage the content of your portal." A dashed line separates this from the main content area. The main content area shows the current browsing path: "Browsing: Home > default". Below this is a "Select Action" dropdown menu. The main part of the interface is a table with two columns: "Name" and "Action". The "Name" column lists directory entries: "images" (with a folder icon), "private" (with a folder icon), "index.html" (with a file icon), "project.html" (with a file icon), and "support.html" (with a file icon). The "Action" column for each entry contains a "View" dropdown menu and a "Go" button. The "index.html" row is highlighted with a light gray background. At the bottom right of the interface, the text "Powered b" is visible.











Name	Action
 images	View  <a href="#">Go</a>
 private	View  <a href="#">Go</a>
 index.html	View  <a href="#">Go</a>
 project.html	View  <a href="#">Go</a>
 support.html	View  <a href="#">Go</a>

Figure 16. Default directory listing.

Click on the index.html link. The file browser will show the versions of this file (Figure 17).

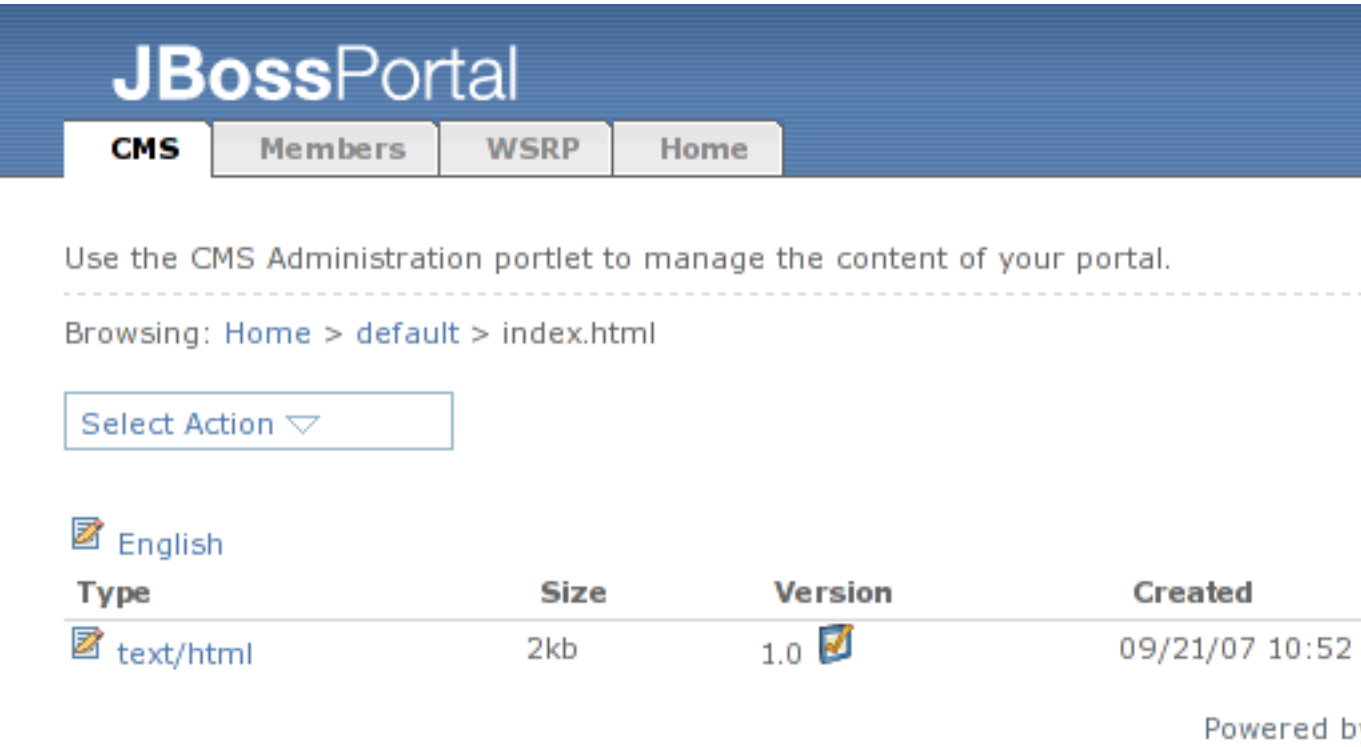


Figure 17. Version view for index.html.

To edit this HTML file, click on the "text/html" link. The WYSIWYG editor view will appear (Figures 18). Click on the maximize icon in the upper right corner of the WYSIWYG editor if needed to make the editor portlet take up the entire page. Note: The WYSIWYG editor is dependent on browser. Some browsers show a box to enter HTML.

## Edit File

dex.html


portal should be absolute. For example: A link to an image located in default/images/back.gif should be path of the resource. You can verify the link is correct by clicking on the preview button in the editor.



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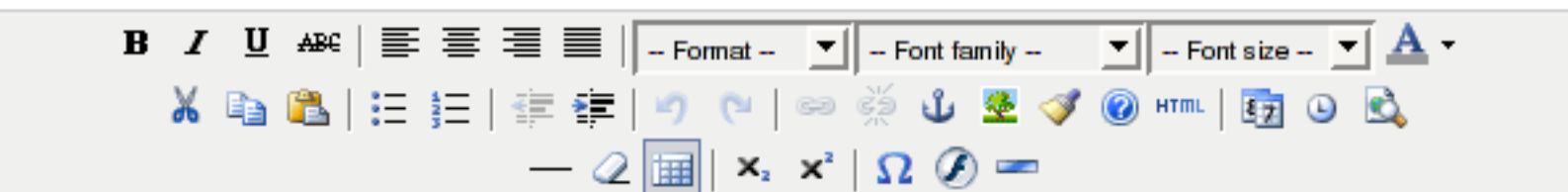


Figure 18. Content editor view.

HTML pages can be edited through this view. Let's change this page to point to our uploaded pages. Change the section title next to the PortletSwap table cell from "Project Information" to

"Quickstart Guide" and change the text following the heading to be "Click here to see the Quickstart guide for JBoss Portal.". The updated text is in Figure 19.

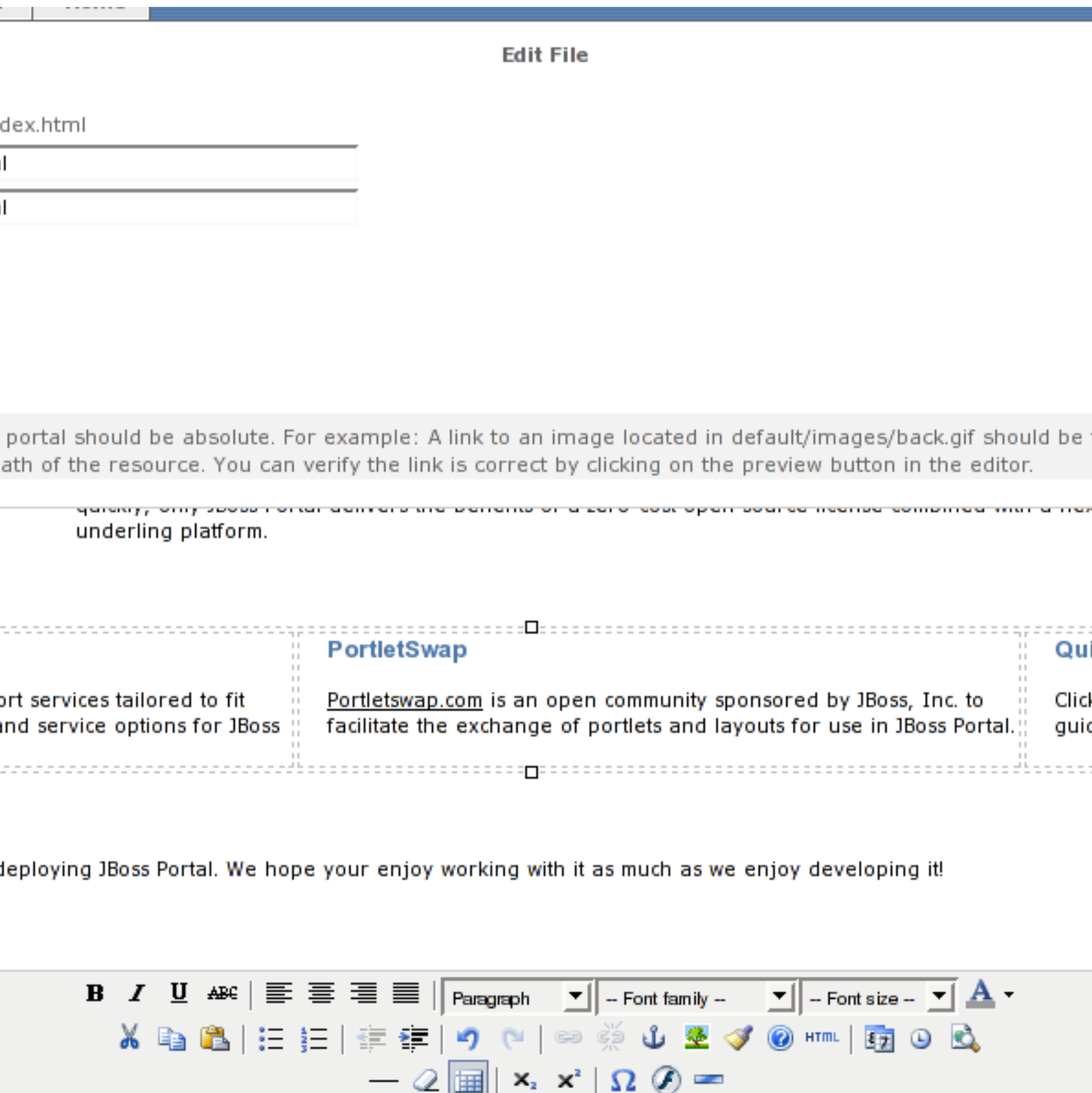
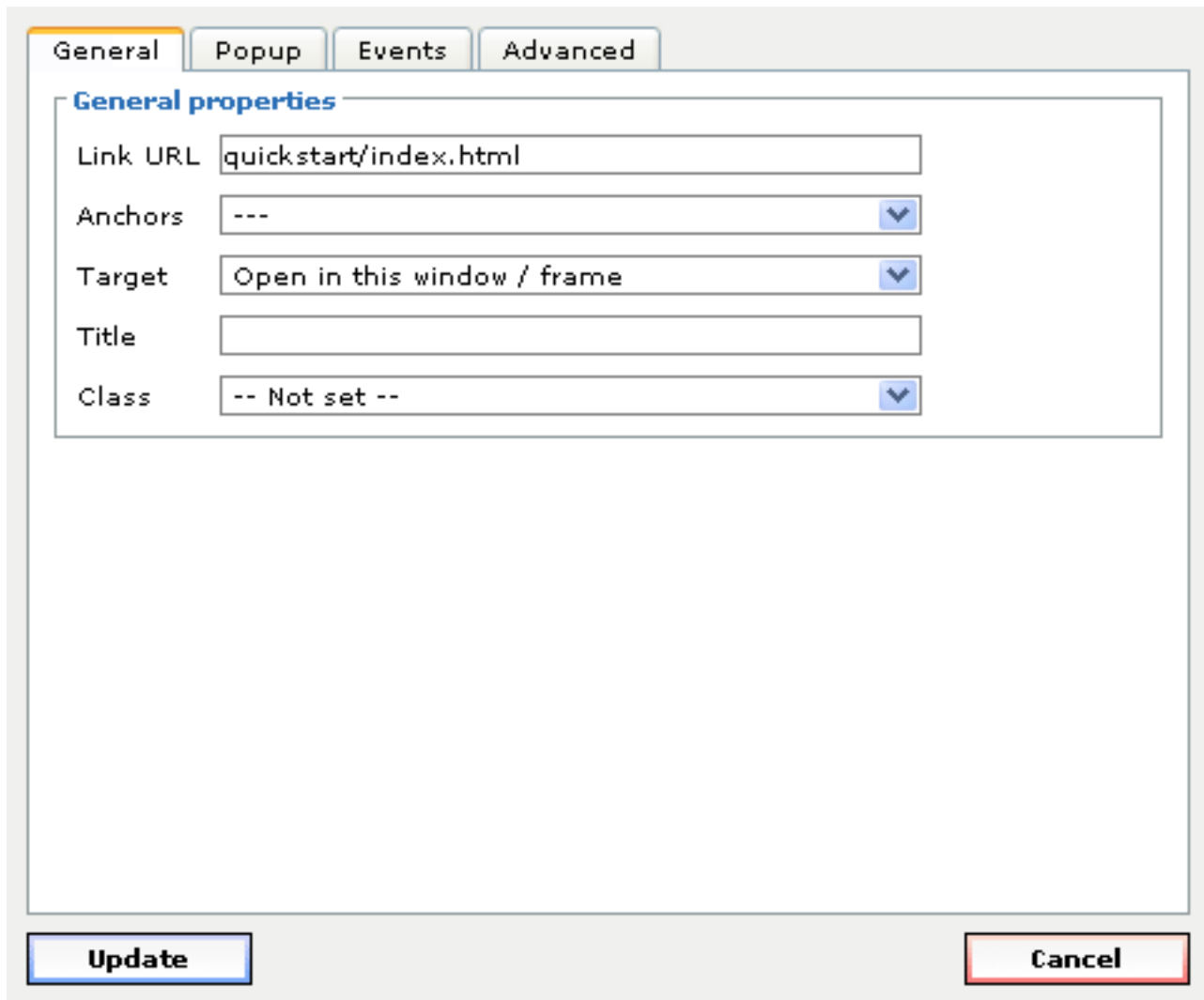


Figure 19. Updated text in HTML page.



Now let's create the link that will point to the index.html page in the quickstart directory. Select the "Click here" text under Portal Documentation, then on the edit link button (it looks like a chain). The insert/edit link window appears. Change the Link URL to "quickstart/index.html" (Figure 20).



The screenshot shows a dialog box titled "Insert/edit link" with four tabs: "General", "Popup", "Events", and "Advanced". The "General" tab is selected. Inside the "General" tab, there is a section titled "General properties" containing the following fields:

- Link URL:** A text input field containing the value "quickstart/index.html".
- Anchors:** A dropdown menu showing "---" with a blue downward arrow.
- Target:** A dropdown menu showing "Open in this window / frame" with a blue downward arrow.
- Title:** An empty text input field.
- Class:** A dropdown menu showing "-- Not set --" with a blue downward arrow.

At the bottom of the dialog box, there are two buttons: "Update" (with a blue border) and "Cancel" (with a red border).

Figure 20. Insert/edit link window with updated link URL

Click "Insert" button to create the link. Then click "Create" button at the bottom of the portlet window to create the new version of the HTML file. The CMS Administration view shows again with the new 1.1 version shown (Figure 21). The check icon next to the version number shows this is the live version.

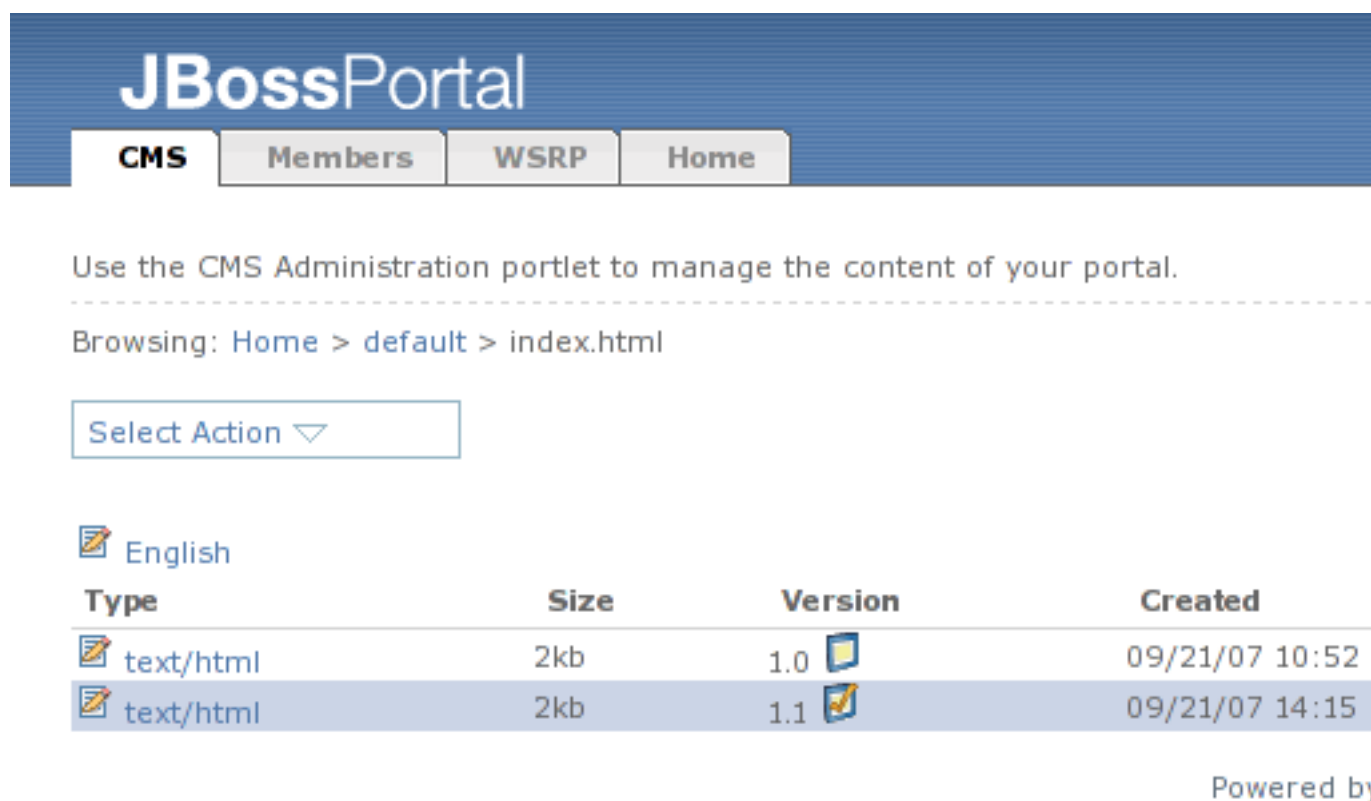



Figure 21. File browser with new version of index.html.

Click on the "Portal" link in the upper right corner of the browser page to see the changes we have made. The content view portlet shows the updated version of the index.html page we edited above (Figure 22).


# JBossPortal

[Home](#)
[News](#)
[Test](#)
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## Greetings!

1


**Demo.**

2


**Download.**



3


**Accessorize.**

This is a basic installation of **JBoss Portal 2.6.2-GA**. You may log in at any time, using the *Login* link at the top-right of this page, with the following credentials:

**user/user or admin/admin**

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## Support Services

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Thank you for downloading and developing it!

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The JBoss Portal Team

## User portlet

[View profile](#)
[Edit profile](#)

### View profile

Username: admin

E-Mail: [admin@portal.com](mailto:admin@portal.com)

Figure 22. Content view portlet with the updated default page.  
Click on the "Click here" link that was updated to go to the new uploaded content (Figure 23).

JBossPortal

Home

News

Test

TestWithAjax

Weather

Greetings!

1

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2

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User portlet

View profile

Edit profile

View profile

Username: admin

E-Mail: admin@portal.com

JBoss Portal 2.4

Quickstart User Guide

Kevin Barfield

<kevin.barfield@jboss.org>

Table of Contents

JBoss Portal - Overview

1. Tutorial Forward

2. Installation

2.1. Downloading and Instal

2.2. Starting JBoss Portal

3. Portal Terminology

4. Interaction with the Portal

4.1. Window States

4.2. User Creation

4.3. Administrator Login

4.4. Content Management

4.5. Portal Management

5. Deploying Portlets

6. Tutorial End

Figure 23. Content view portlet with docs page shown.

The links on the quickstart HTML page that you uploaded will go to the other pages that were uploaded to the content repository with it. Try them out to see for yourself.

## 4.5. Portal Management

Click on the Admin link in the upper right of the browser page. From this Admin Portal, you should have access to the CMS, Members, WSRP and Portal management interfaces. (Figure 24).



Figure 24. Admin portal page.

Click the "Members" tab to access the member management page. Click on the "Search users" link to see all of the users currently enrolled in the portal security repository (Figure 25).

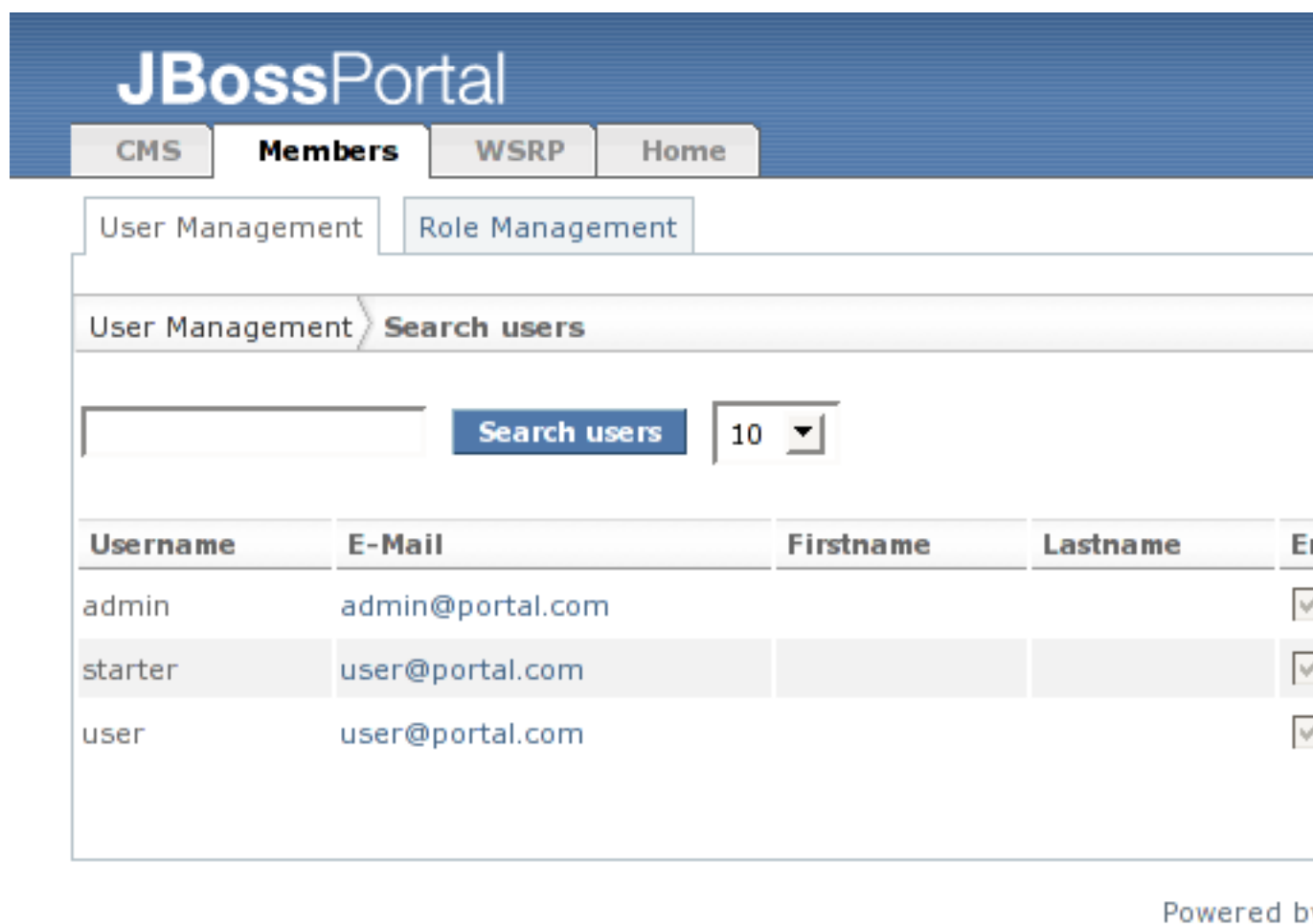


Figure 25. User portlet with user list view.

The starter user we created is shown in the list. Click on the "Roles" link next to the starter user to see the available roles (Figure 26).

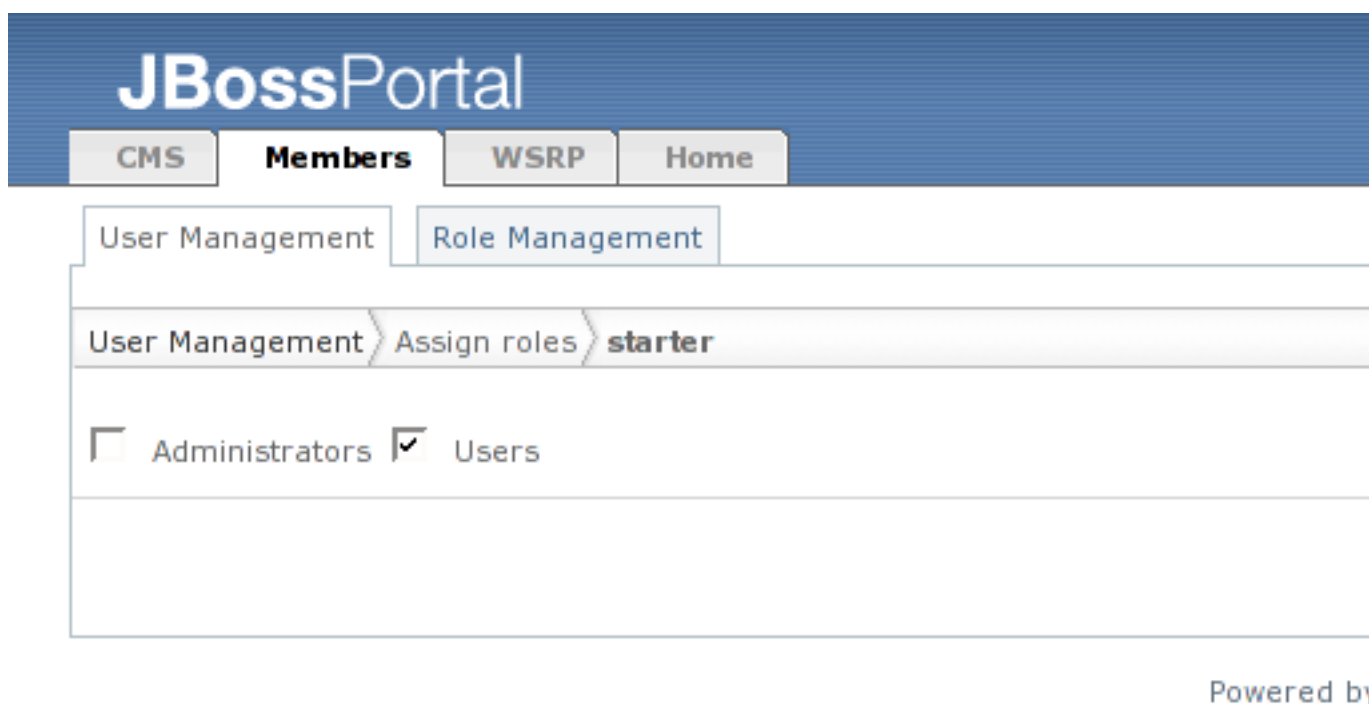


Figure 26. User portlet with available roles view.

Add the "Administrators" role to this user by checking the check box next to the "Administrators" label. Click the "Submit" button to apply the new role to the user. This brings us back to the main User Management view (Figure 27).

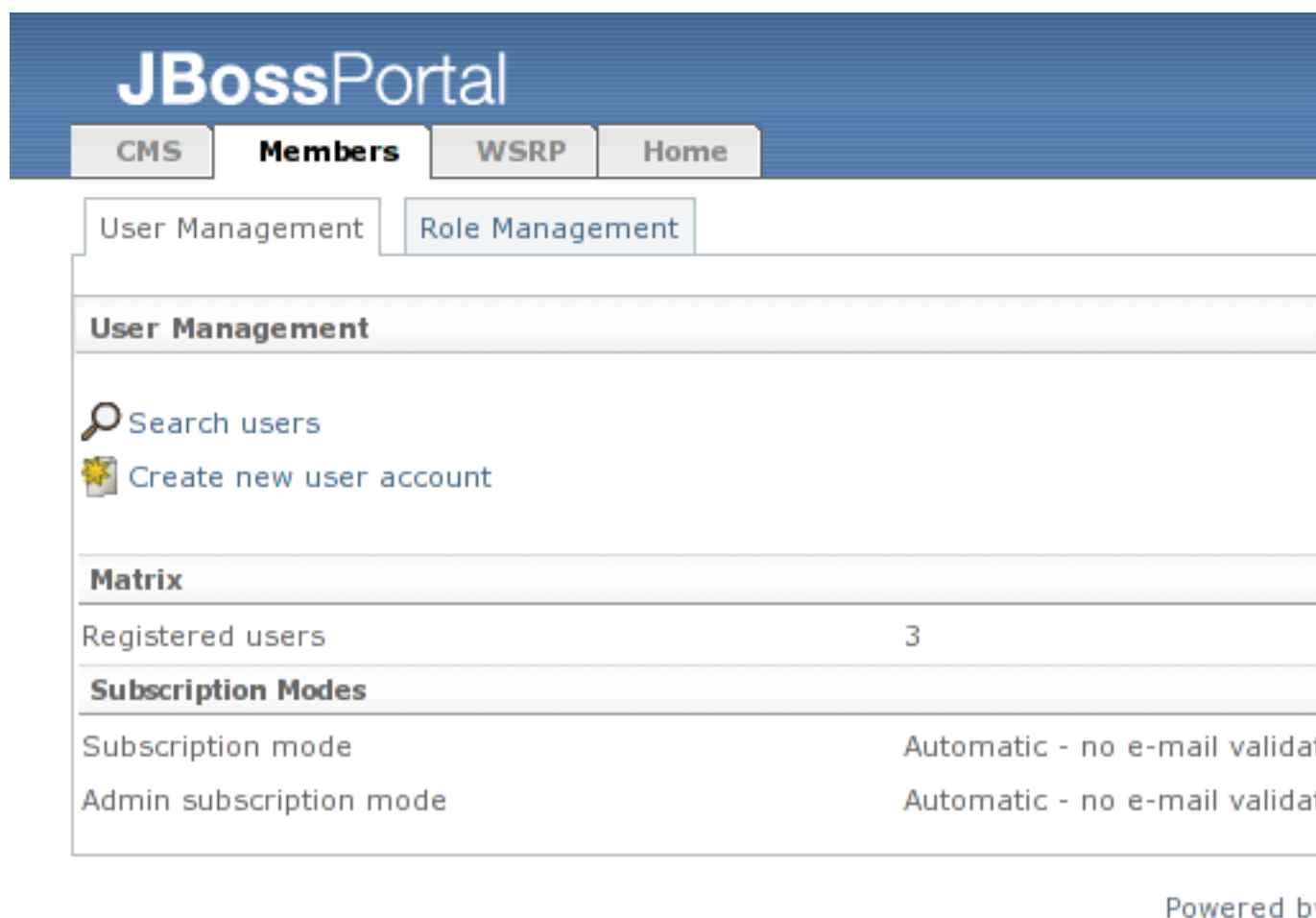
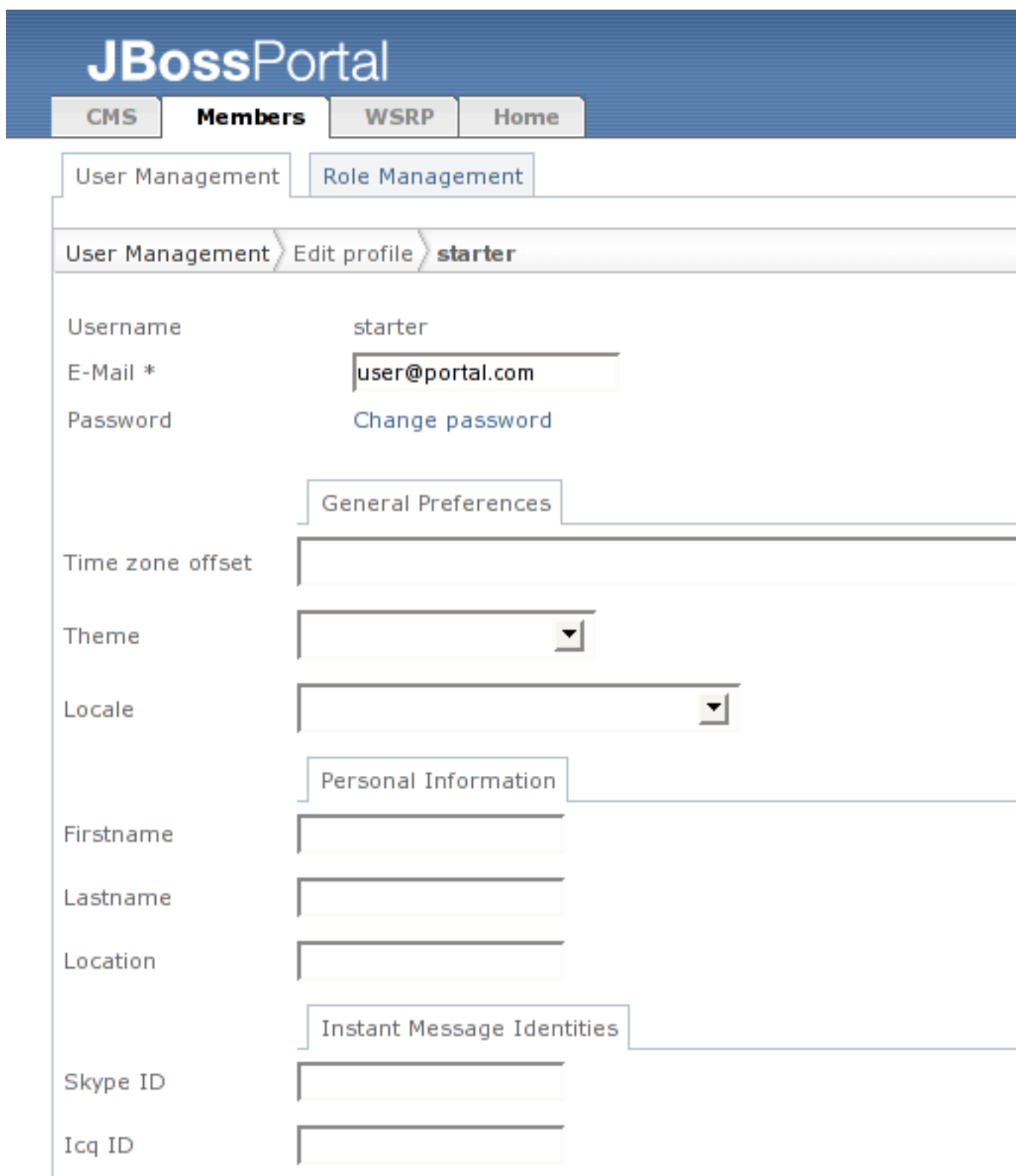


Figure 27. User portlet menu view.

Now let's look at the user profile for the starter user. Click on "Search Users" again to get back to the user result list, and then click on the "Edit user" link next to the starter user. The user profile view appears (Figure 28).





The image shows the JBossPortal user profile management interface. At the top, there is a blue header with the 'JBossPortal' logo. Below the logo are four tabs: 'CMS', 'Members' (which is active), 'WSRP', and 'Home'. Under the 'Members' tab, there are two sub-tabs: 'User Management' and 'Role Management'. The 'User Management' sub-tab is active, and it contains a breadcrumb trail: 'User Management' > 'Edit profile' > 'starter'. The main content area is divided into several sections. The first section contains the user's details: 'Username' (starter), 'E-Mail \*' (user@portal.com), and 'Password' (Change password). Below this is the 'General Preferences' section, which includes 'Time zone offset', 'Theme' (a dropdown menu), and 'Locale' (a dropdown menu). The next section is 'Personal Information', which includes 'Firstname', 'Lastname', and 'Location' (all text input fields). The final section is 'Instant Message Identities', which includes 'Skype ID' and 'Icq ID' (both text input fields).

# JBossPortal

**CMS** **Members** WSRP Home

User Management Role Management

User Management > Edit profile > **starter**

Username starter

E-Mail \* user@portal.com

Password Change password

General Preferences

Time zone offset

Theme

Locale

Personal Information

Firstname

Lastname

Location

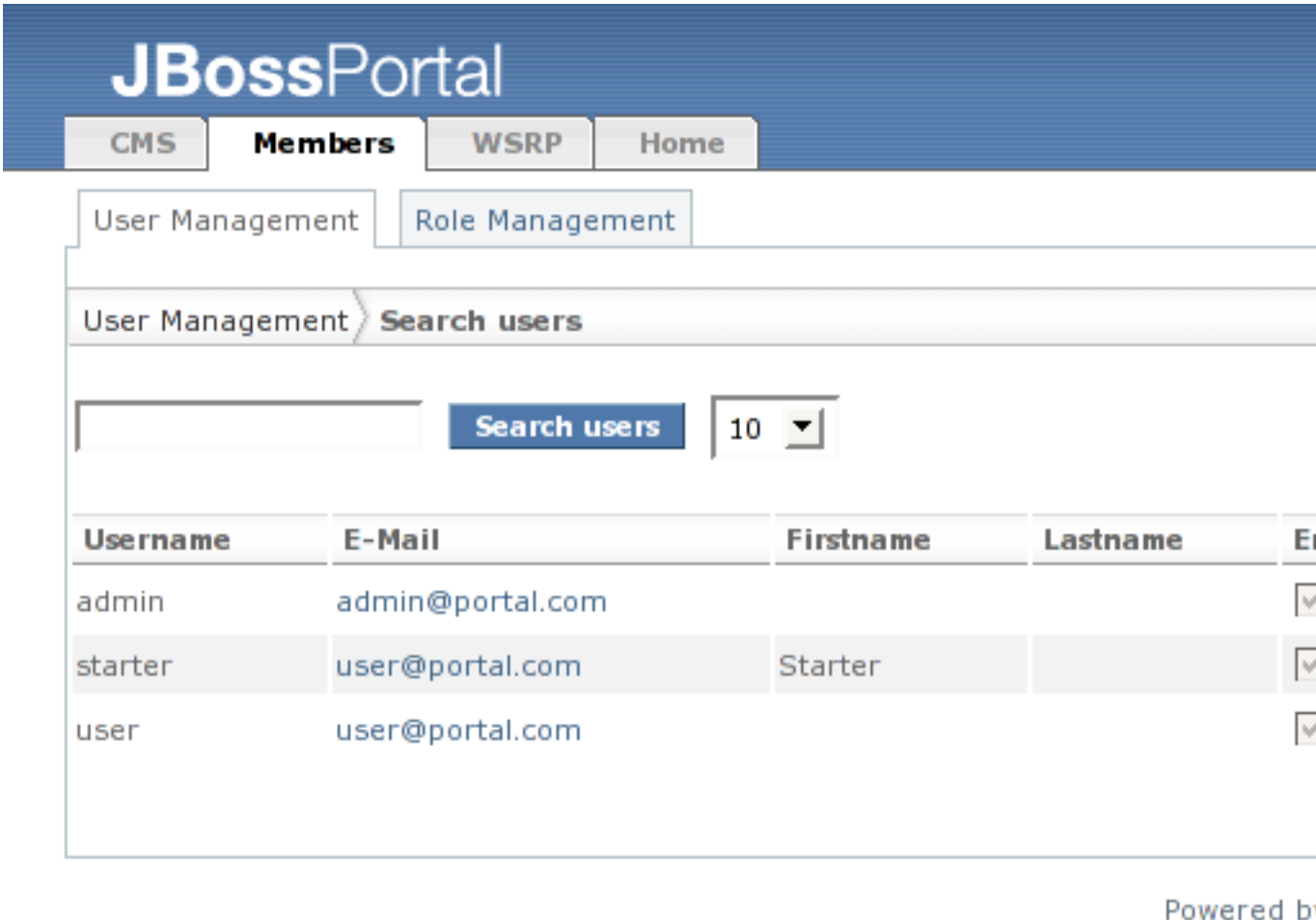
Instant Message Identities

Skype ID

Icq ID

Figure 28. User profile view.

This shows all of the fields available in the user profile. Under the "Personal Information" section, enter the first name of "Starter" and click the "Submit" button at the bottom of the page. The user list is redisplayed with the updated first name for the "starter" user (Figure 29).



The screenshot shows the JBossPortal interface. At the top, there's a blue header with the 'JBossPortal' logo. Below the header, there are navigation tabs: 'CMS', 'Members' (which is active), 'WSRP', and 'Home'. Under the 'Members' tab, there are two sub-tabs: 'User Management' and 'Role Management'. The 'User Management' sub-tab is active, and it contains a 'Search users' section. This section has a text input field, a 'Search users' button, and a dropdown menu set to '10'. Below the search section is a table with the following data:

Username	E-Mail	Firstname	Lastname	
admin	admin@portal.com			▼
starter	user@portal.com	Starter		▼
user	user@portal.com			▼

At the bottom right of the page, there is a text 'Powered by'.

Figure 29. User search results with updated user first name.

Now, let's explore the management portlet, by clicking on the "Home" tab. This portlet shows a view of the portals, portal pages and portlet instances (Figure 30).

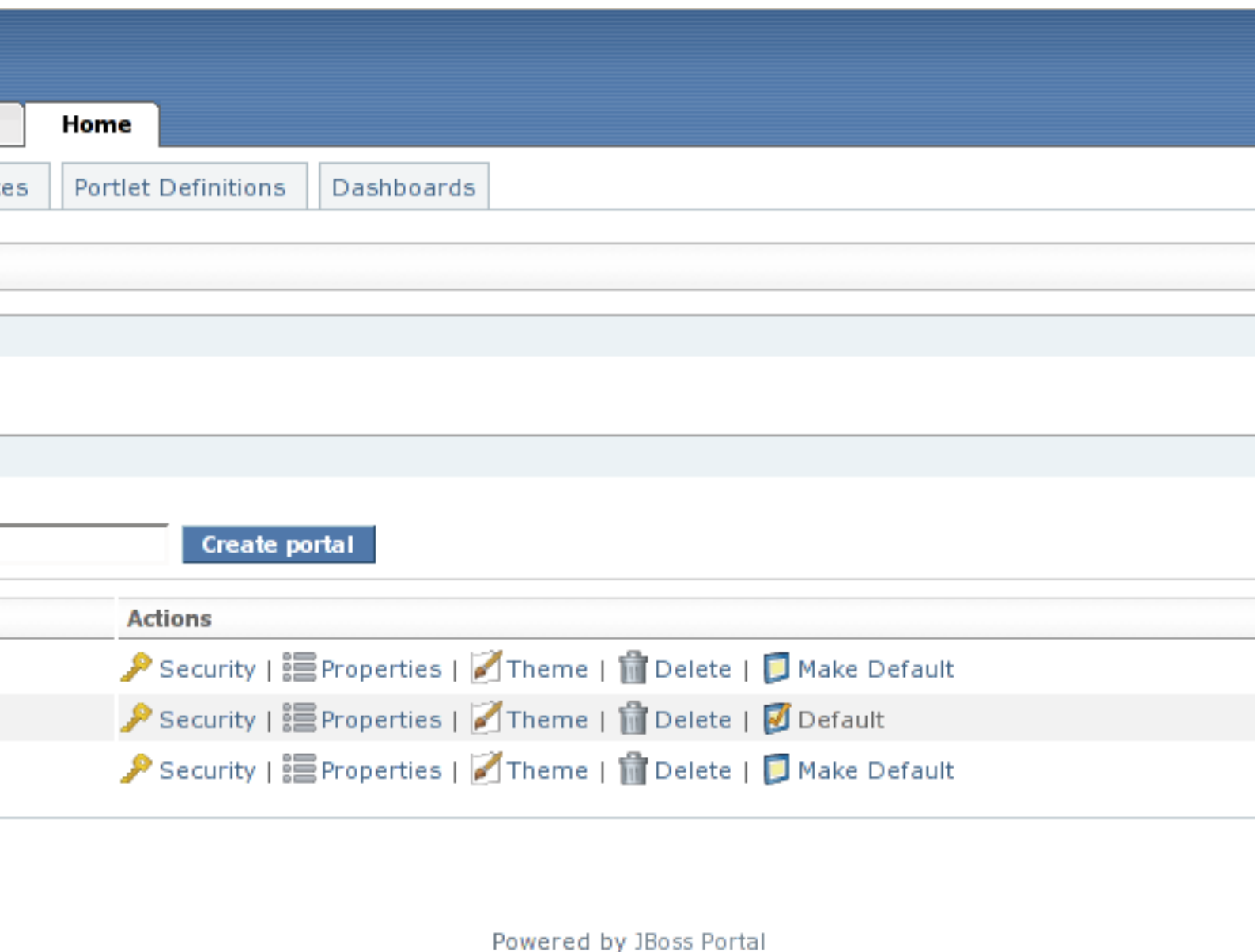


Figure 30. Management portlet page view.

Let's create a new portal page. Click on the "default" portal link in the "Portals" list at the bottom of the page. In the resulting view, enter "Starter" in the text field next to the "Create a page named:" label. Your portal page view should match the following figure (Figure 31).

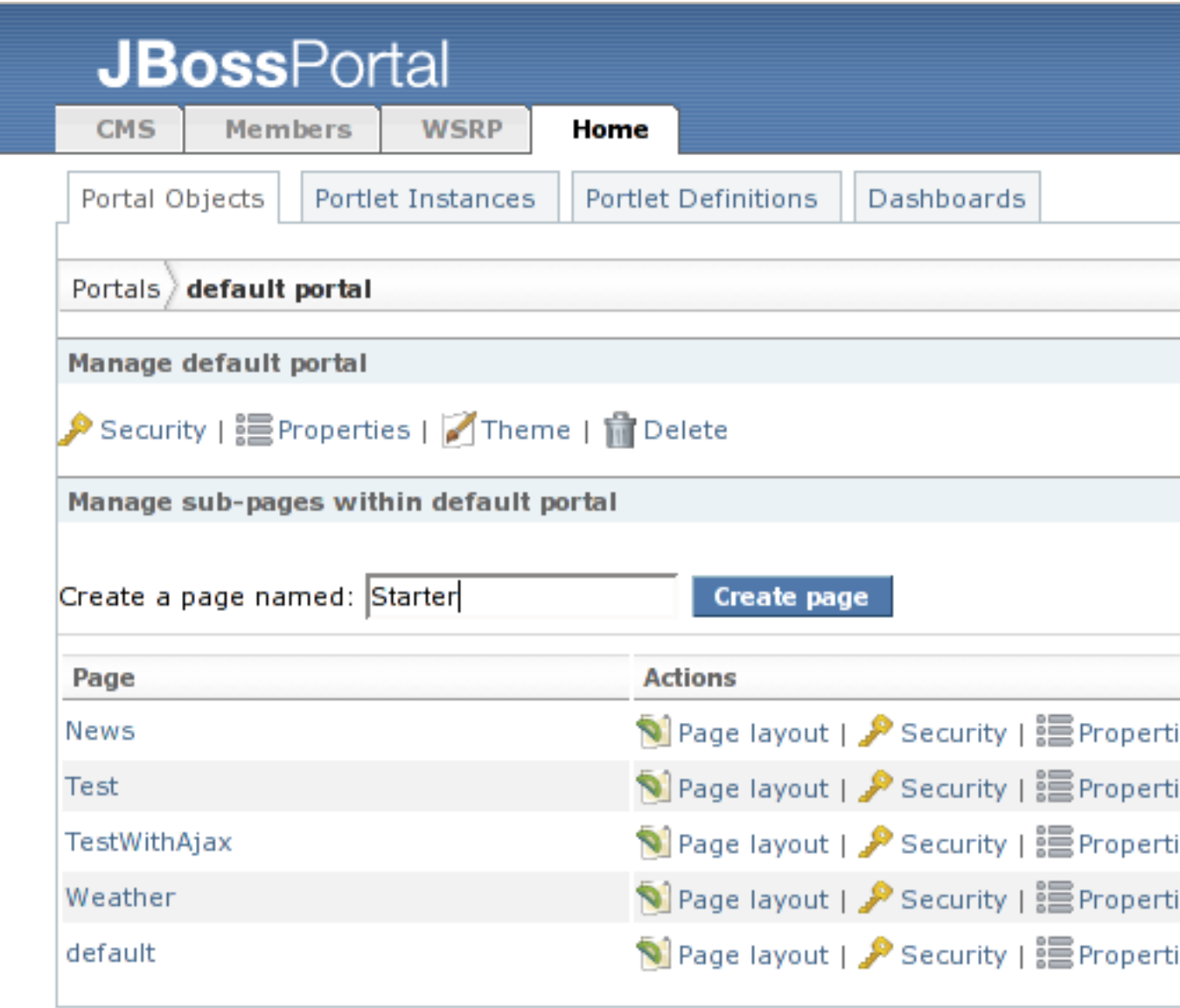
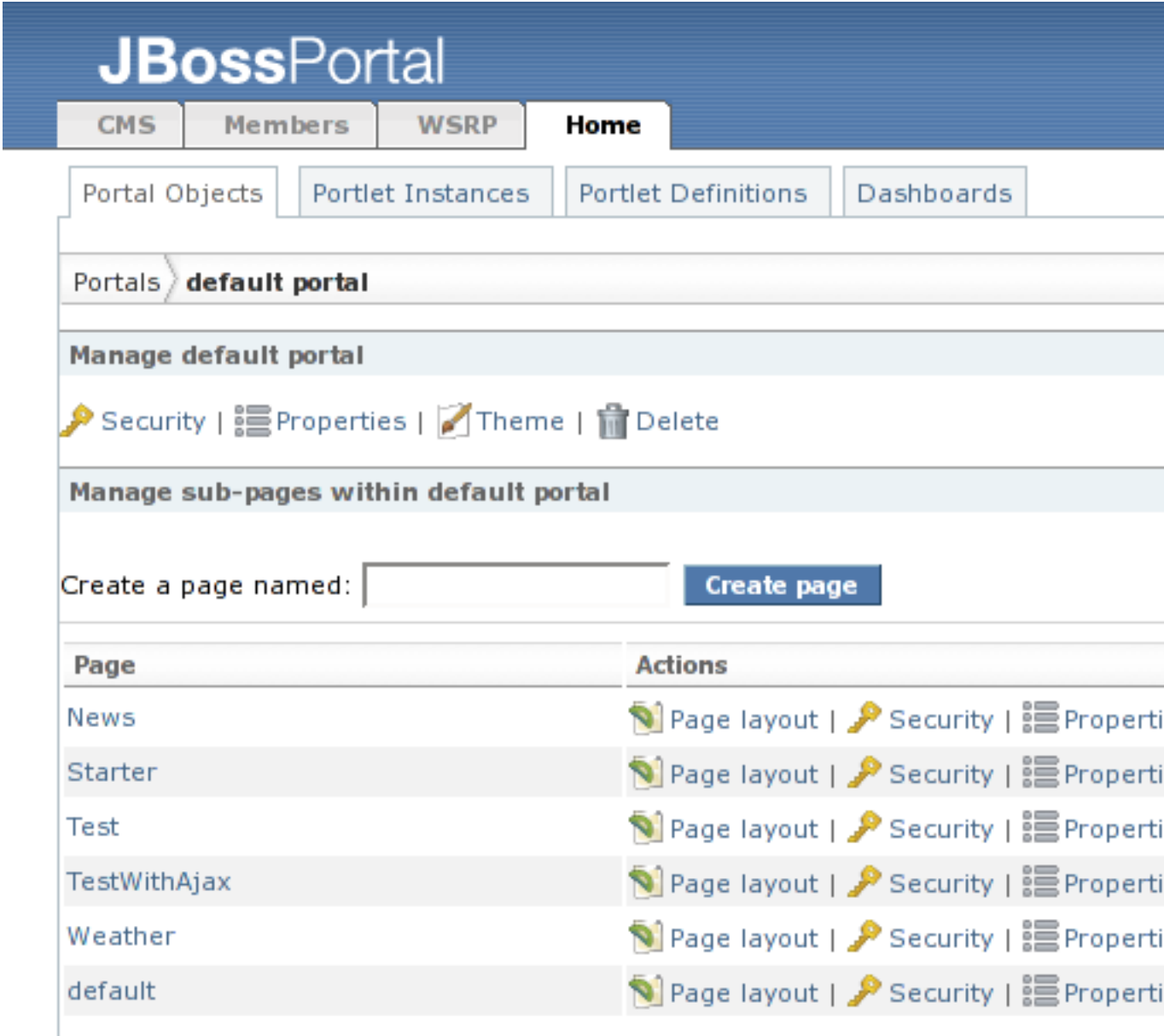


Figure 31. Management portlet add page view.  
Click the "Create Page" button to create the new page. We now see the "Starter" page in the list of portal pages (Figure 32).



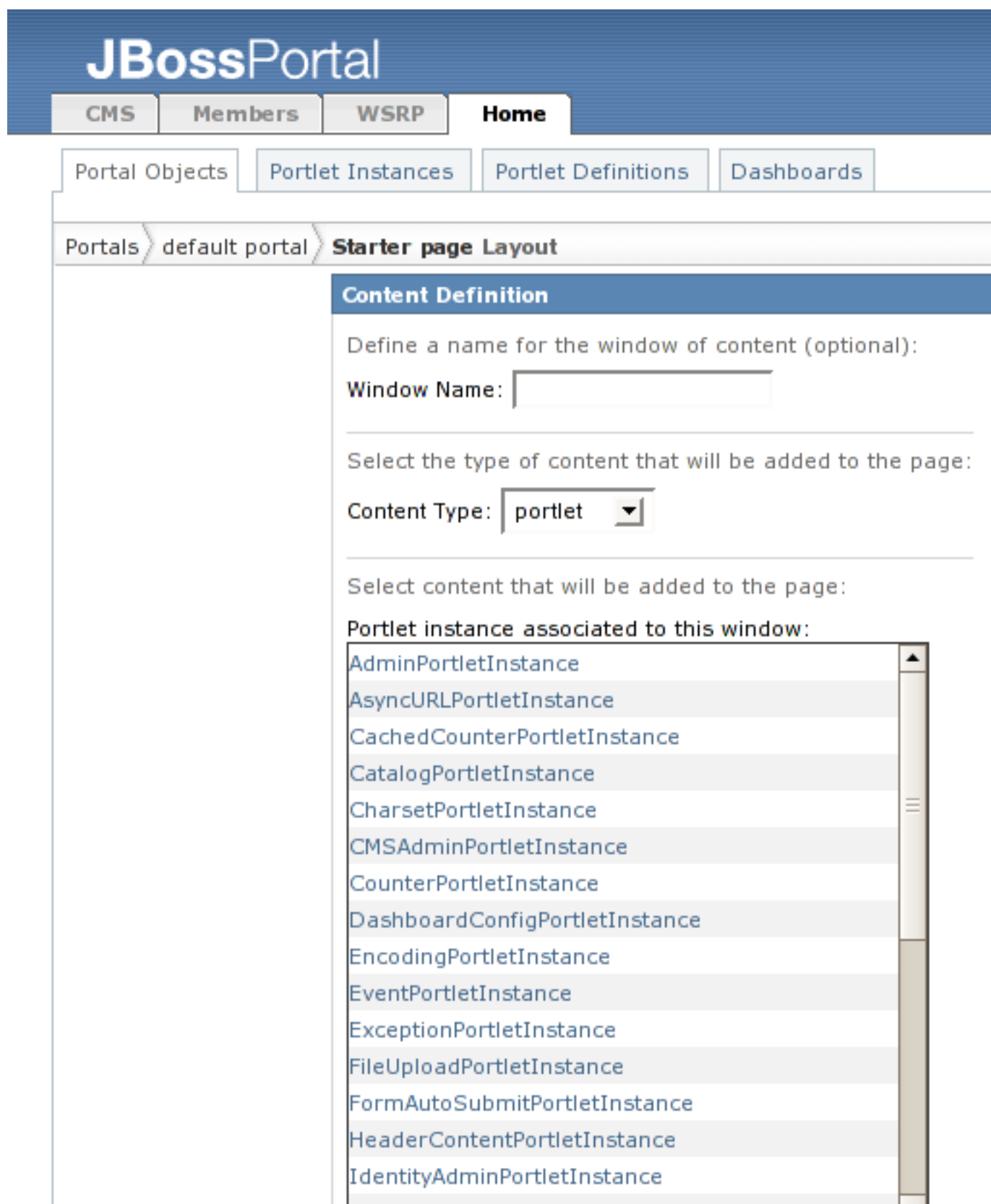
The screenshot shows the JBossPortal Management Console. At the top, there's a blue header with the 'JBossPortal' logo. Below it are tabs for 'CMS', 'Members', 'WSRP', and 'Home'. A secondary navigation bar contains 'Portal Objects', 'Portlet Instances', 'Portlet Definitions', and 'Dashboards'. The main content area is titled 'Portals > default portal'. It has a section 'Manage default portal' with links for 'Security', 'Properties', 'Theme', and 'Delete'. Below that is 'Manage sub-pages within default portal', which includes a form to 'Create a page named:' followed by a text input field and a 'Create page' button. A table lists existing pages with their respective actions.

Page	Actions
News	Page layout    Security    Properties
Starter	Page layout    Security    Properties
Test	Page layout    Security    Properties
TestWithAjax	Page layout    Security    Properties
Weather	Page layout    Security    Properties
default	Page layout    Security    Properties

Powered by

Figure 32. Starter portal page has been added.

Now let's add some portlet instances to the portal page. Click on "Page layout" link of the "Starter" entry in the Management Portlet, and the details for that portal page are shown (Figure 33).



The image shows the JBossPortal management interface. At the top, there's a blue header with the 'JBossPortal' logo. Below the logo are four tabs: 'CMS', 'Members', 'WSRP', and 'Home'. Under the 'Home' tab, there are four sub-tabs: 'Portal Objects', 'Portlet Instances', 'Portlet Definitions', and 'Dashboards'. The 'Portlet Instances' tab is selected, showing a breadcrumb trail: 'Portals > default portal > Starter page Layout'. The main content area is titled 'Content Definition' and contains the following fields:

- 'Define a name for the window of content (optional):' with a text input field labeled 'Window Name:'.
- 'Select the type of content that will be added to the page:' with a dropdown menu labeled 'Content Type:' showing 'portlet'.
- 'Select content that will be added to the page:' with a section titled 'Portlet instance associated to this window:' and a list of portlet instances.

The list of portlet instances includes:

- AdminPortletInstance
- AsyncURLPortletInstance
- CachedCounterPortletInstance
- CatalogPortletInstance
- CharsetPortletInstance
- CMSAdminPortletInstance
- CounterPortletInstance
- DashboardConfigPortletInstance
- EncodingPortletInstance
- EventPortletInstance
- ExceptionPortletInstance
- FileUploadPortletInstance
- FormAutoSubmitPortletInstance
- HeaderContentPortletInstance
- IdentityAdminPortletInstance

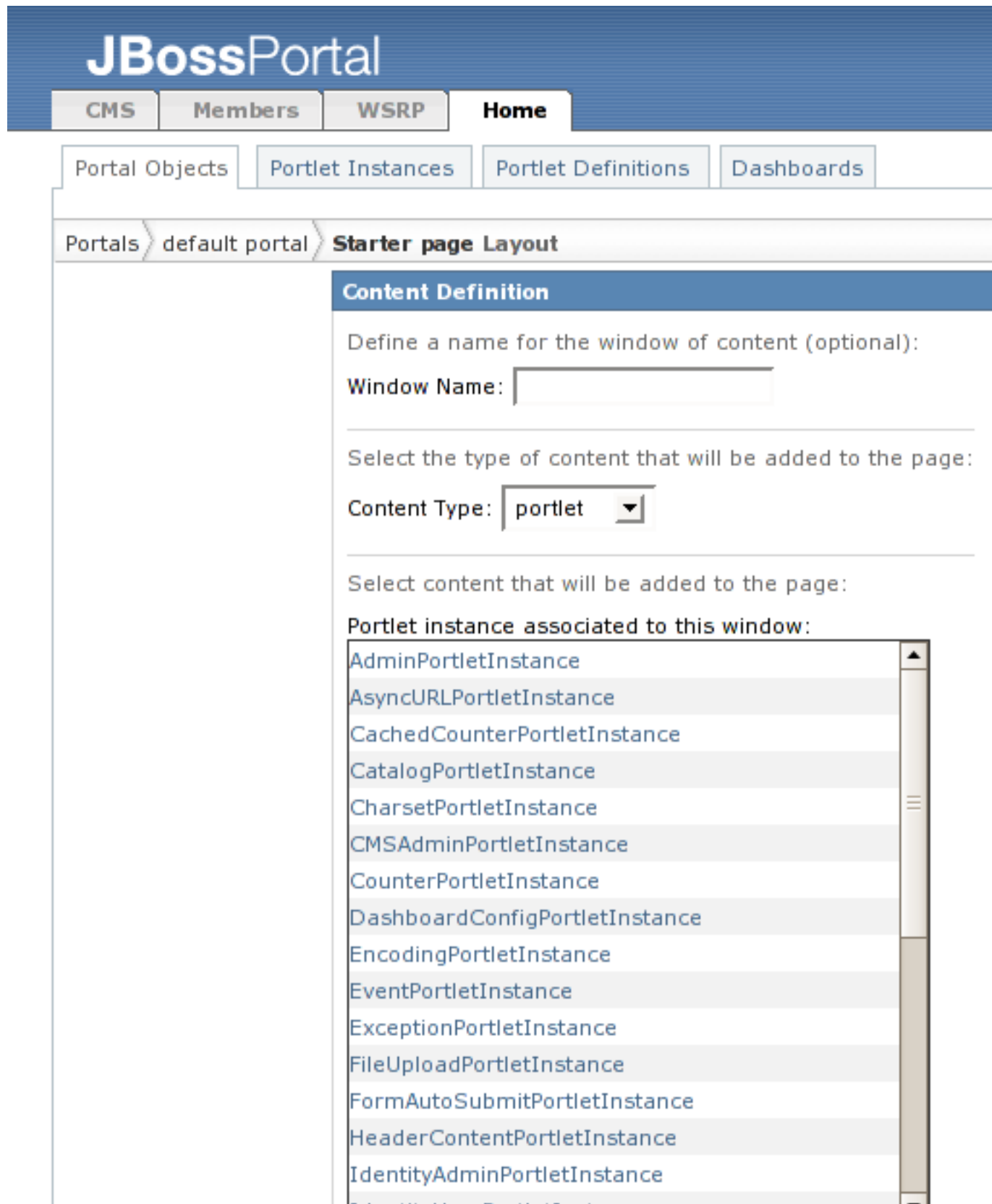
Figure 33. Management portlet for Starter portal page.

First, let's add a weather portlet. It's a good idea to give the new portlet window a name instead of relying on the portal to generate one for you, so enter "weather" in the "Window Name" field. The weather portlet is a JSR-168 portlet, so we can leave the "Content Type" drop-down set to "portlet". In the list labeled "Portlet instance associated to this window:", select the "WeatherPortletInstance" portlet instance. You can verify that you have the proper portlet instance selected by viewing the details that show up below the Portlet Instance list at the bottom of the portlet (Figure 34).





Scroll up to the list box that is labeled "center Region". Click the "Add" button to the left of that list box. The "weather" portlet instance is now shown under the "center Region" (Figure 35).



The screenshot shows the JBossPortal Administration Console. The top navigation bar includes links for CMS, Members, WSRP, and Home. Below this, a secondary navigation bar contains Portal Objects, Portlet Instances, Portlet Definitions, and Dashboards. The main content area is titled "Portals > default portal > Starter page Layout". On the right side, there is a "Content Definition" panel. This panel contains three sections: "Define a name for the window of content (optional):" with a "Window Name:" text input; "Select the type of content that will be added to the page:" with a "Content Type:" dropdown menu set to "portlet"; and "Select content that will be added to the page:" with a section titled "Portlet instance associated to this window:". Below this title is a scrollable list box containing various portlet instance names, including AdminPortletInstance, AsyncURLPortletInstance, CachedCounterPortletInstance, CatalogPortletInstance, CharsetPortletInstance, CMSAdminPortletInstance, CounterPortletInstance, DashboardConfigPortletInstance, EncodingPortletInstance, EventPortletInstance, ExceptionPortletInstance, FileUploadPortletInstance, FormAutoSubmitPortletInstance, HeaderContentPortletInstance, IdentityAdminPortletInstance, and IdentityUserPortletInstance. A vertical scrollbar is visible on the right side of the list box.

## JBossPortal

CMS Members WSRP Home

Portal Objects Portlet Instances Portlet Definitions Dashboards

Portals > default portal > Starter page Layout

### Content Definition

Define a name for the window of content (optional):

Window Name:

Select the type of content that will be added to the page:

Content Type:

Select content that will be added to the page:

Portlet instance associated to this window:

- AdminPortletInstance
- AsyncURLPortletInstance
- CachedCounterPortletInstance
- CatalogPortletInstance
- CharsetPortletInstance
- CMSAdminPortletInstance
- CounterPortletInstance
- DashboardConfigPortletInstance
- EncodingPortletInstance
- EventPortletInstance
- ExceptionPortletInstance
- FileUploadPortletInstance
- FormAutoSubmitPortletInstance
- HeaderContentPortletInstance
- IdentityAdminPortletInstance
- IdentityUserPortletInstance

Figure 35. Weather portlet instance is added.

Let's change the theme for the weather portlet window we just added so that the weather portlet window doesn't display any decorations. Just below the "Portal Objects" tab near the top of the page is a breadcrumbs list that shows us we are in the "Portals" management section, in the "default" portal, and in the "Starter" page layout. Each of the elements in the breadcrumbs list is a link that will allow you to navigate back to other portal components. Click on the "Starter page" link in the breadcrumbs. In the resulting view under the "Manage windows within Starter page" section, click on the "theme" action link next to the "weather" window. Let's set the Window Renderer, Decoration Renderer, and Portlet Renderer to "emptyRenderer" (Figure 36).

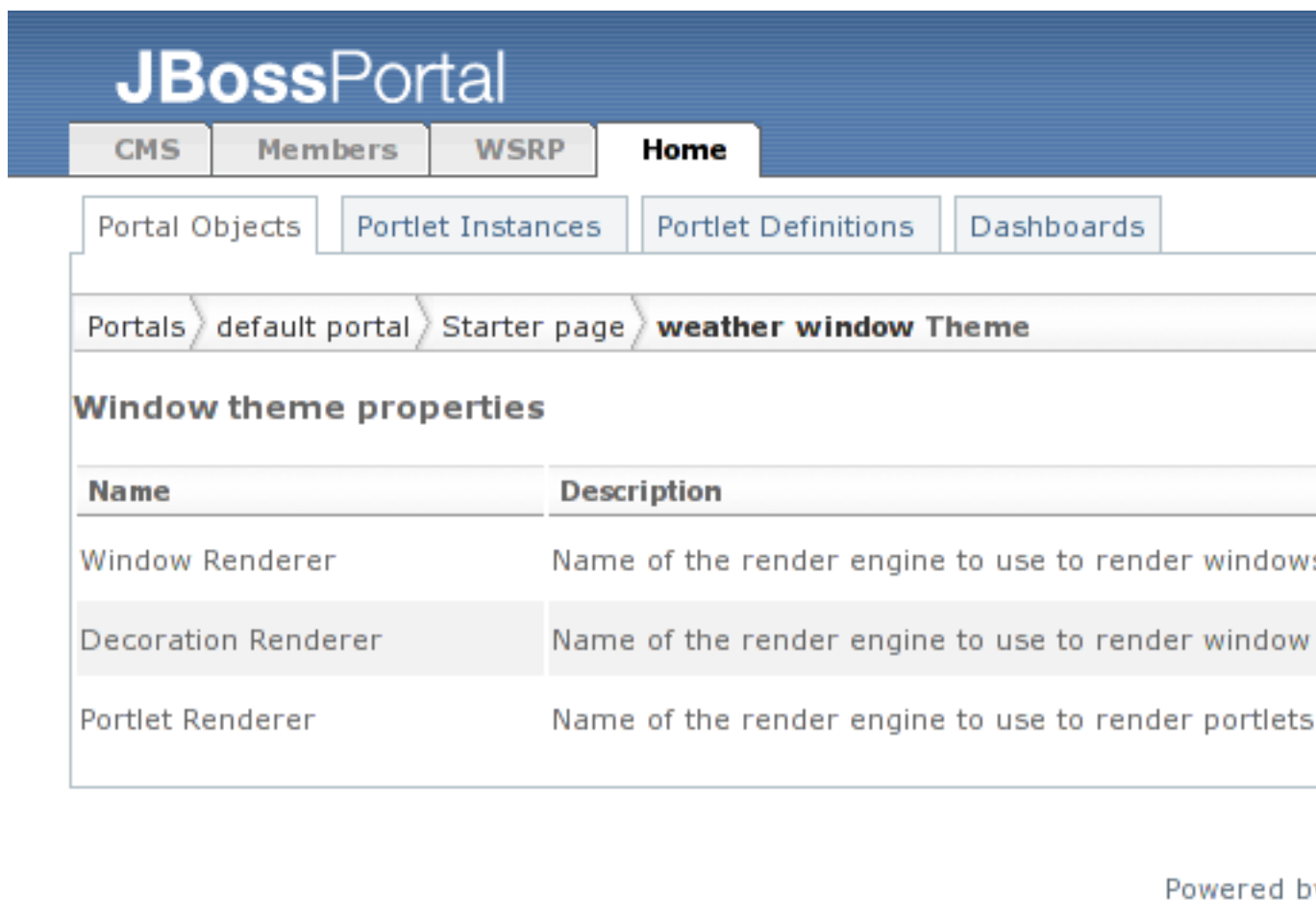
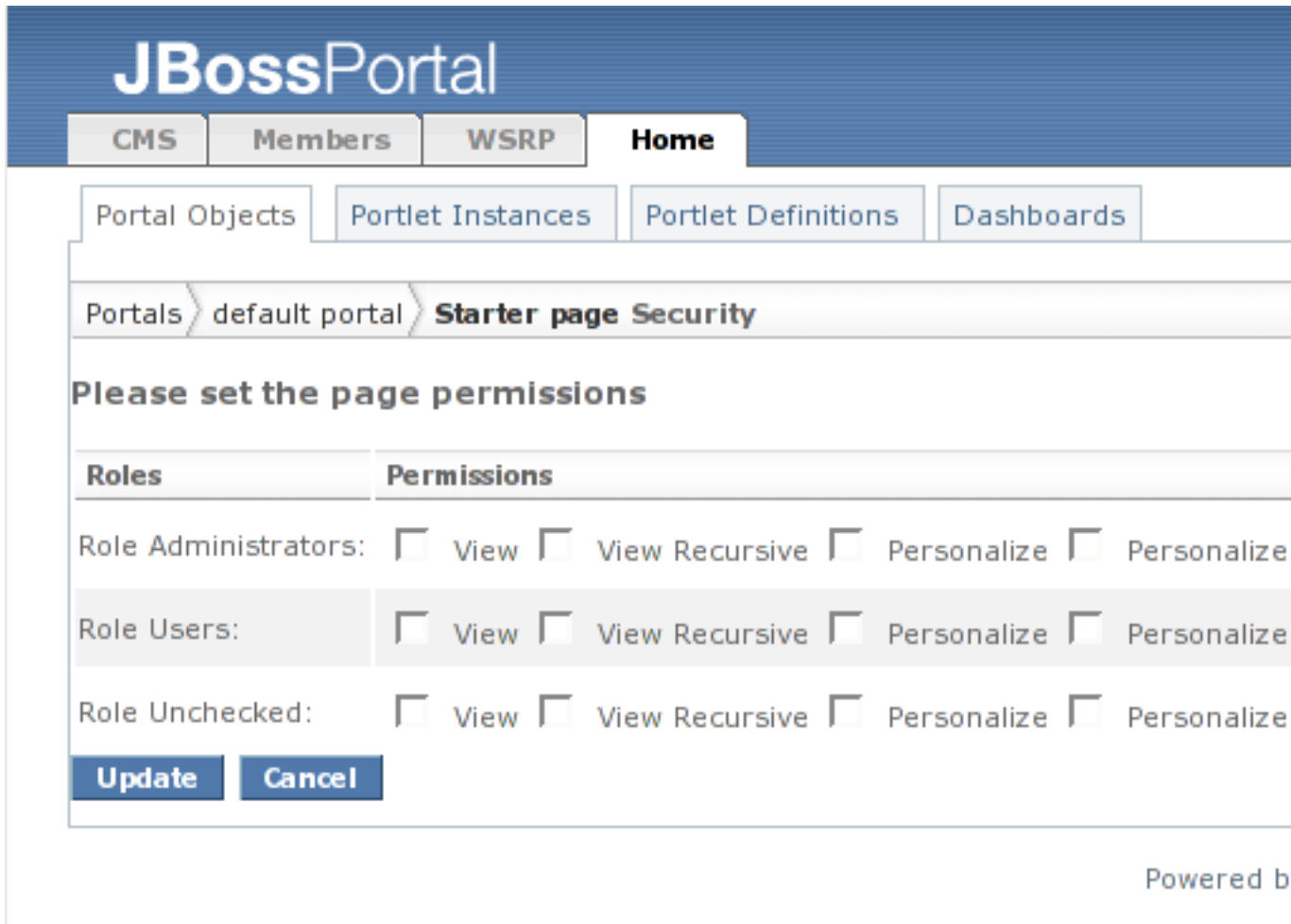


Figure 36. Theme details for the weather portlet instance.

Click the "Update" button to apply the theme changes. Finally, let's take a look at security in the Management Portlet. Click on the "Starter page" link in the breadcrumbs below the "Portal Objects" tab. Next click the "Security" link just under the "Manage Starter page" section title, and the list of available roles and actions is shown for the "Starter" portal page.(Figure 37).



The image shows the JBossPortal management interface. At the top, there's a blue header with the 'JBossPortal' logo. Below the logo is a navigation bar with tabs: 'CMS', 'Members', 'WSRP', and 'Home'. Under 'Home', there are sub-tabs: 'Portal Objects', 'Portlet Instances', 'Portlet Definitions', and 'Dashboards'. The 'Portal Objects' tab is active, showing a breadcrumb trail: 'Portals > default portal > Starter page Security'. Below this, a message says 'Please set the page permissions'. A table lists roles and their permissions for 'View', 'View Recursive', 'Personalize', and 'Personalize Recursive'. The roles are 'Role Administrators', 'Role Users', and 'Role Unchecked'. At the bottom of the table are 'Update' and 'Cancel' buttons. The text 'Powered b' is partially visible at the bottom right.

Roles	Permissions
Role Administrators:	<input type="checkbox"/> View <input type="checkbox"/> View Recursive <input type="checkbox"/> Personalize <input type="checkbox"/> Personalize Recursive
Role Users:	<input type="checkbox"/> View <input type="checkbox"/> View Recursive <input type="checkbox"/> Personalize <input type="checkbox"/> Personalize Recursive
Role Unchecked:	<input type="checkbox"/> View <input type="checkbox"/> View Recursive <input type="checkbox"/> Personalize <input type="checkbox"/> Personalize Recursive

**Update** **Cancel**

Powered b

Figure 37. Security for the "Starter" portal page.

Let's take a look at the Starter portal page we created. Click on the "Portal" link, and then the "Starter" tab at the top to go to the "Starter" portal page (Figure 38).

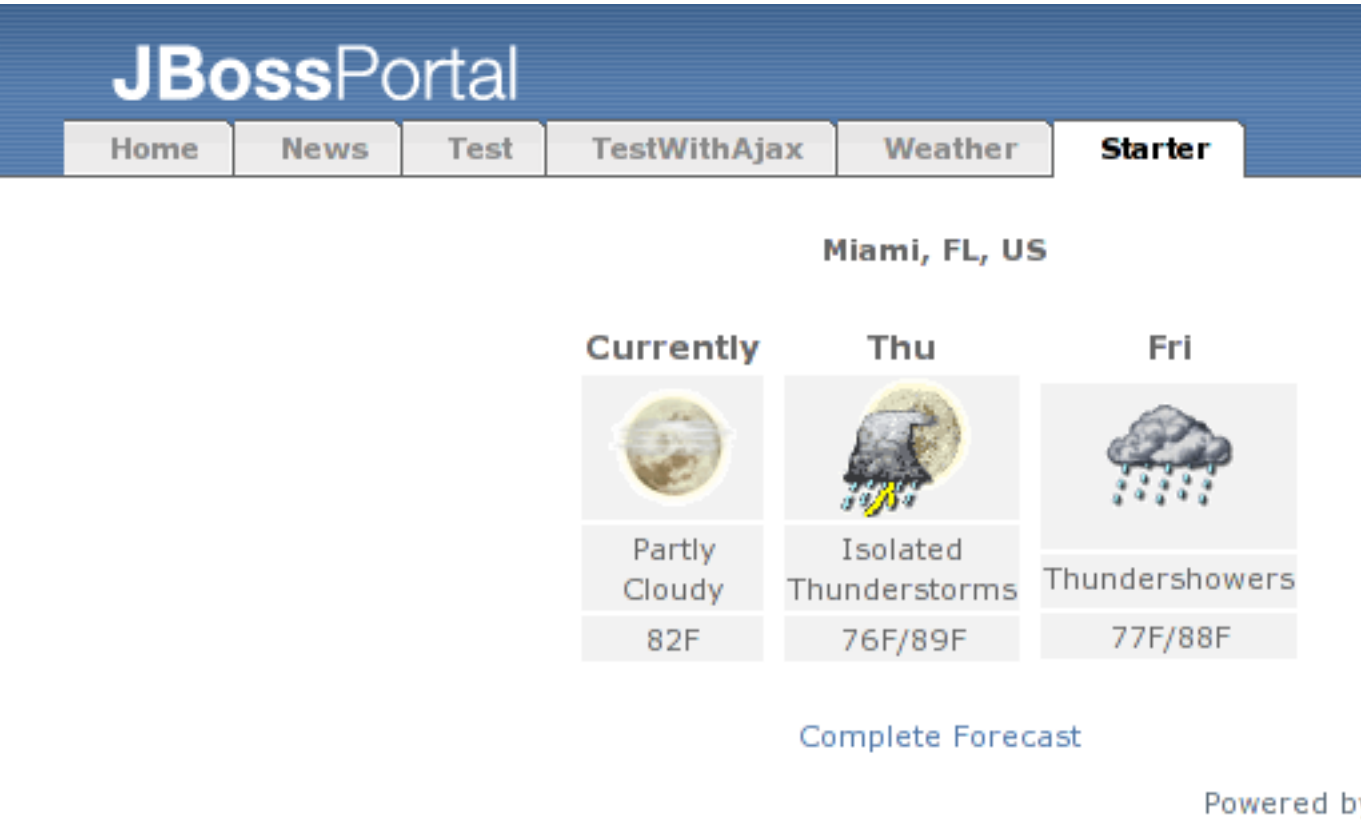


Figure 38. The Starter portal page.

# Deploying Portlets

Kevin Barfield

Chris DeLashmutt

Xi Huang

Let's add a portlet from Portletswap to the JBoss Portal we have running. Open a browser to the following URL: <http://www.portletswap.com> [http://www.portletswap.com] (Figure 39).

[Subscribe](#)

| [Register](#)

| [Log Out](#)

driven.

[Home](#)

[Resources](#)

JBoss PortletSwap is a community gathering place for JBoss Portal developers to publish and share portlets, themes and layouts. Portletswap is a one-stop-shop for JSR-168 compliant portlets and JBoss Portal themes and layouts for use in [JBoss Portal](#). Our goal is to make it easy for JBoss Portal community members to actively extend JBoss Portal. Both free and commercial portlets, themes and layouts are available here.



## Browse Portlets

Browse the PortletSwap Portlet Catalog.



## Get Answers

Resources and frequently asked questions about JBoss PortletSwap, contributing portlets, and general documentation.



## Contribute Portlets

Explanation and walkthrough on how to have your portlets listed in the Portlet Catalog.



## Portlet Hosting

Information on hosting a portlet project on the JBoss.org infrastructure.

### Subcategories:

- [Portlet Catalog](#)

Figure 39. Portletswap website

Click on the "Browse Portlets" link to see the categories of portlets available (Figure 40).

The screenshot shows the JBoss Portlet Swap website. At the top is the JBoss .org logo with the tagline "community driven.". Below this is a red "Portlet Swap" header. On the left is a sidebar with a "Portlet Swap" section containing links to the User forum, JIRA issue tracker, JBoss Portal Home, Get answers!, Contribute, and Downloads. The main content area is titled "PortletSwap Portlet Catalog - Main". It contains a paragraph explaining that this is the main category for JBoss Portlet Swap themes/layouts, which are all JSR- included for ease-of-pluggability. Below this is a section for further information about JBoss Port. A table follows, listing portlet categories with their names and descriptions. The categories are Tutorial Portlets, Framework Portlets, Collaboration Portlets, and Miscellaneous Portlets. Below the table is a "Subcategories:" section with links to the Portlet Catalog and Theme and Layouts. At the bottom, there is a link to "Support Services" for additional assistance and a link to "View all Downloads".

**Portlet Swap**

- [User forum](#)
- [JIRA issue tracker](#)
- [JBoss Portal Home](#)
- [Get answers!](#)
- [Contribute](#)
- [Downloads](#)

## PortletSwap Portlet Catalog - Main

This is the main category for the JBoss Portlet Swap themes/layouts. Although the portlets are all JSR- included for ease-of-pluggability to this portal fra however.

You can find further information about JBoss Port

Name	Description
<a href="#">Tutorial Portlets</a>	These portlets are linked from when starting out in portlet dev
<a href="#">Framework Portlets</a>	Portlets implementing common in this category are meant as e
<a href="#">Collaboration Portlets</a>	Portlets providing collaboration
<a href="#">Miscellaneous Portlets</a>	Portlet bundles that do not fit u

### Subcategories:

- ◆ [Portlet Catalog](#)
- ◆ [Theme and Layouts](#)

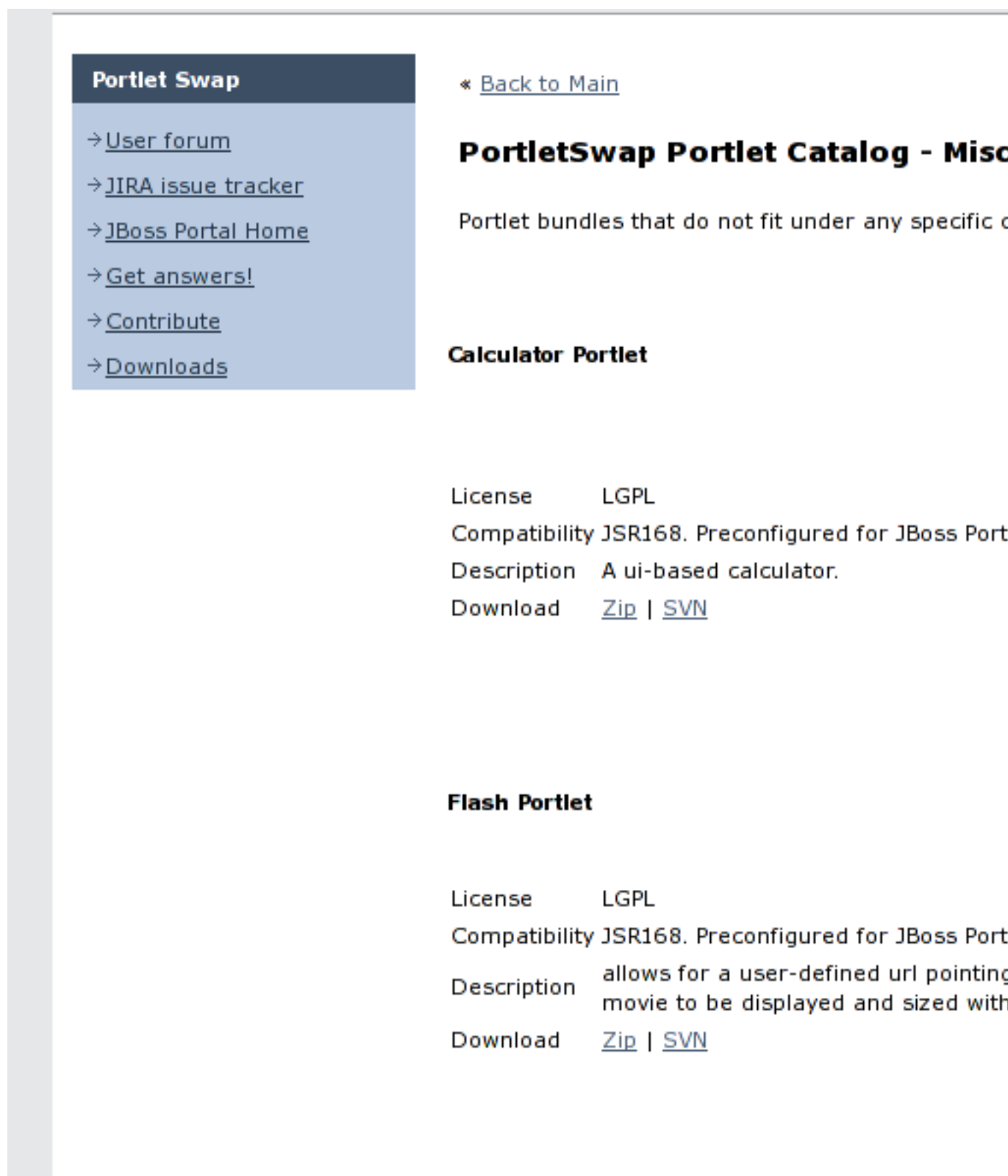
Want additional assistance?  
Contact [Support Services](#).

---

→ [View all Downloads](#)

Figure 40. Portlet categories on portletswap.

Click on the Miscellaneous Portlets browse link to see a list of portlets (Figure 41).



**Portlet Swap**

- [User forum](#)
- [JIRA issue tracker](#)
- [JBoss Portal Home](#)
- [Get answers!](#)
- [Contribute](#)
- [Downloads](#)

« [Back to Main](#)

### PortletSwap Portlet Catalog - Miscellaneous

Portlet bundles that do not fit under any specific category

#### Calculator Portlet

License: LGPL  
Compatibility: JSR168. Preconfigured for JBoss Portal  
Description: A ui-based calculator.  
Download: [Zip](#) | [SVN](#)

#### Flash Portlet

License: LGPL  
Compatibility: JSR168. Preconfigured for JBoss Portal  
Description: allows for a user-defined url pointing to a movie to be displayed and sized with  
Download: [Zip](#) | [SVN](#)

Figure 41. List of portlets on portletswap.



---

Click on the "Zip" link below the description for the Flash Portlet. The download dialog will appear (Figure 42).

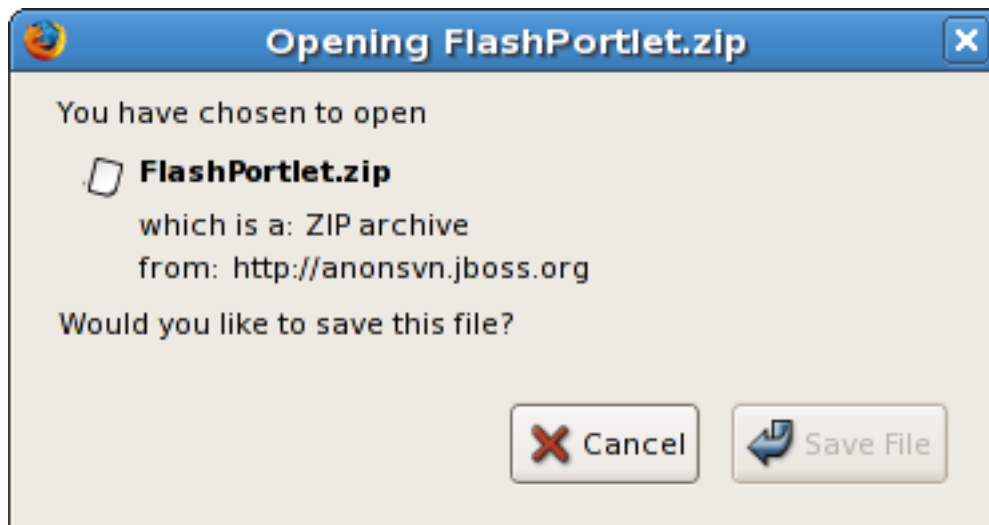


Figure 42. Download dialog.

This ZIP file contains both the binary and the source for the portlet. Open the zip and extract the flash.war file. Place this file in the \$JBOSS\_HOME/server/default/deploy directory. The console for the JBoss Portal will show the portlet being deployed (Figure 43).

```

cdelashmutt@cdelashmutt:~/JBoss/jboss-portal-head/bin
View Terminal Tabs Help
,082 WARN [LoadContexts] fail-safe cleanup (collections) : org.hi
.loading.CollectionLoadContext@1712c8b<rs=org.hsqldb.jdbc.jdbcResu
,082 WARN [LoadContexts] fail-safe cleanup (collections) : org.hi
.loading.CollectionLoadContext@1237e51<rs=org.hsqldb.jdbc.jdbcResu
,177 WARN [LoadContexts] fail-safe cleanup (collections) : org.hi
.loading.CollectionLoadContext@17cc370<rs=org.hsqldb.jdbc.jdbcResu
,177 WARN [LoadContexts] fail-safe cleanup (collections) : org.hi
.loading.CollectionLoadContext@32531<rs=org.hsqldb.jdbc.jdbcResult
,177 WARN [LoadContexts] fail-safe cleanup (collections) : org.hi
.loading.CollectionLoadContext@7edaf3<rs=org.hsqldb.jdbc.jdbcResul
,177 WARN [LoadContexts] fail-safe cleanup (collections) : org.hi
.loading.CollectionLoadContext@58ba09<rs=org.hsqldb.jdbc.jdbcResul
,243 INFO [ProducerInfo] Refreshed registration information for c
d 'self'
,341 INFO [ProducerInfo] Refreshed registration information for c
d 'self'
,747 INFO [TomcatDeployer] deploy, ctxPath=/flash, warUrl=.../tmp
66flash-exp.war/

```

Figure 43. Flash Portlet deployed.

To see the deployed portlet, we need to add it to our Starter portal page. First, we need to create an instance of the portlet. Go to the Management Portlet and click "Portlet Definitions" tab (Figure 44).

JBossPortal

CMS

Members

WSRP

Home

Portal Objects

Portlet Instances

Portlet Definitions

Dashboards

View portlets provided by the portlet provider named:

local

View portlets

Name	Description
Administration Portlet	Administration Portlet
Async URL Portlet	Async URL Portlet
Basic Portlet	
Cached Counter Portlet	Counter Portlet with cache support
Charset Portlet	Portlet showing different ways to prop unicode text
Content Management System Administration Portlet	Administration Portlet for CMS
Counter Portlet	Portlet displaying the number of it's a
Current Users Portlet	Current users portlet
Dashboard Configurator Portlet	Dashboard Configurator Portlet
Encoding Portlet	Portlet for testing encoding
Event Portlet	Event Portlet
Exception Portlet	Portlet for testing behaviour on excep
File Upload Portlet	File Upload Portlet
<u>Flash Portlet</u>	
Form auto submit Portlet	Portlet which performs a programmat
Header Content Portlet	Portlet to test modification of head co
Identity admin portlet	Identity admin portlet

Figure 44. Admin portal page.

A list of all portlets will be displayed. Click on the "Create Instance" action link for the "Flash Portlet". This will bring up a view similar to Figure 45 that will allow you to name the new portlet instance.

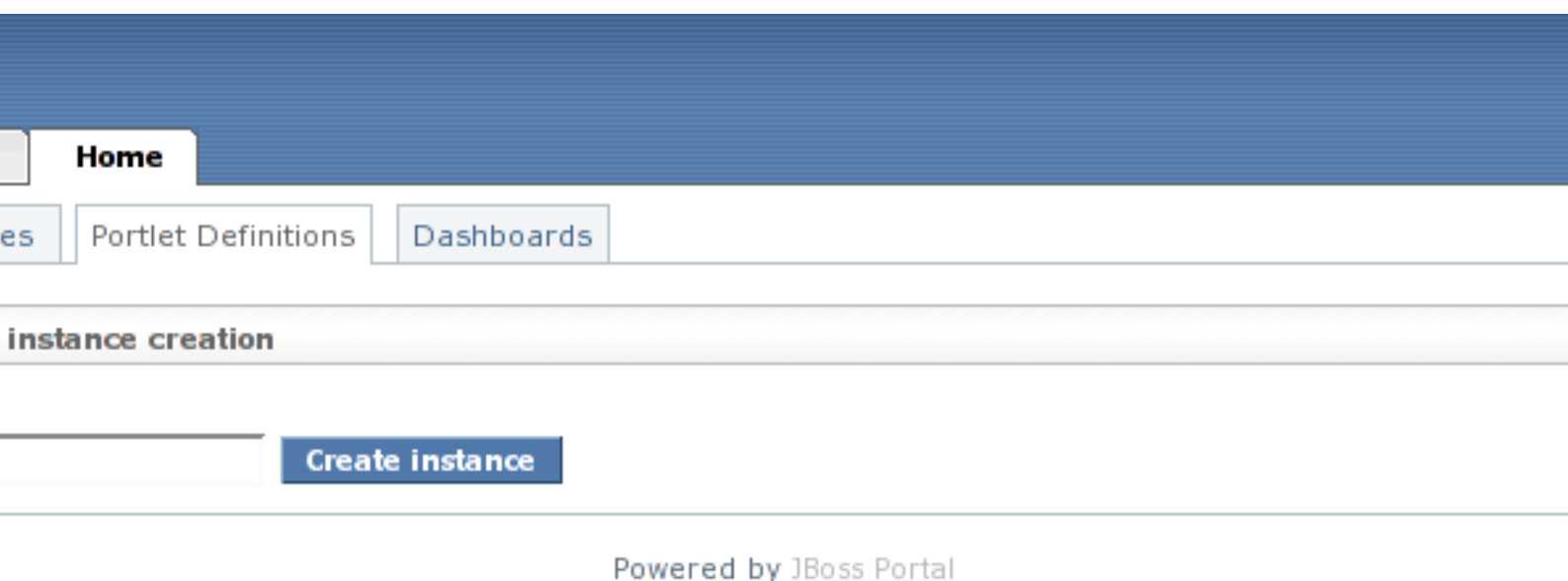
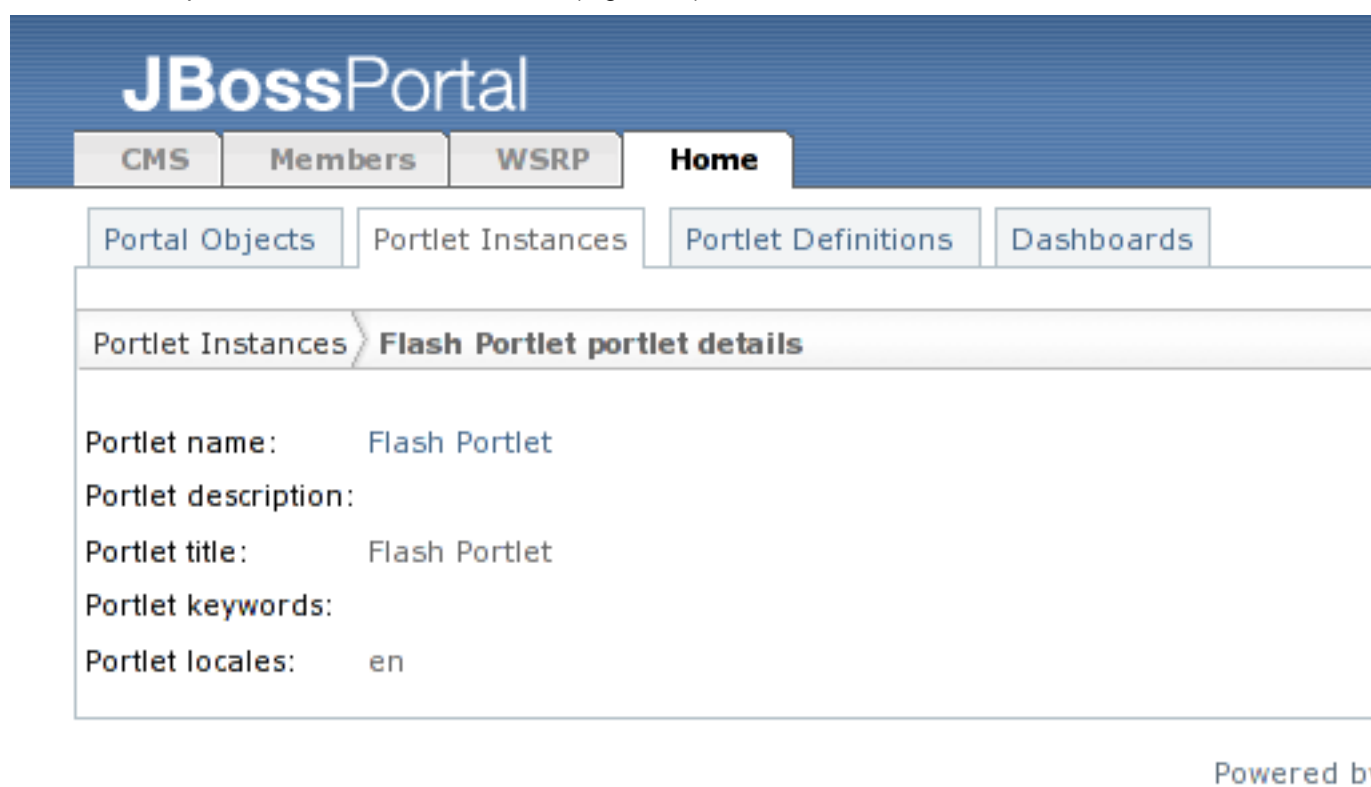


Figure 45. Portlets administration.

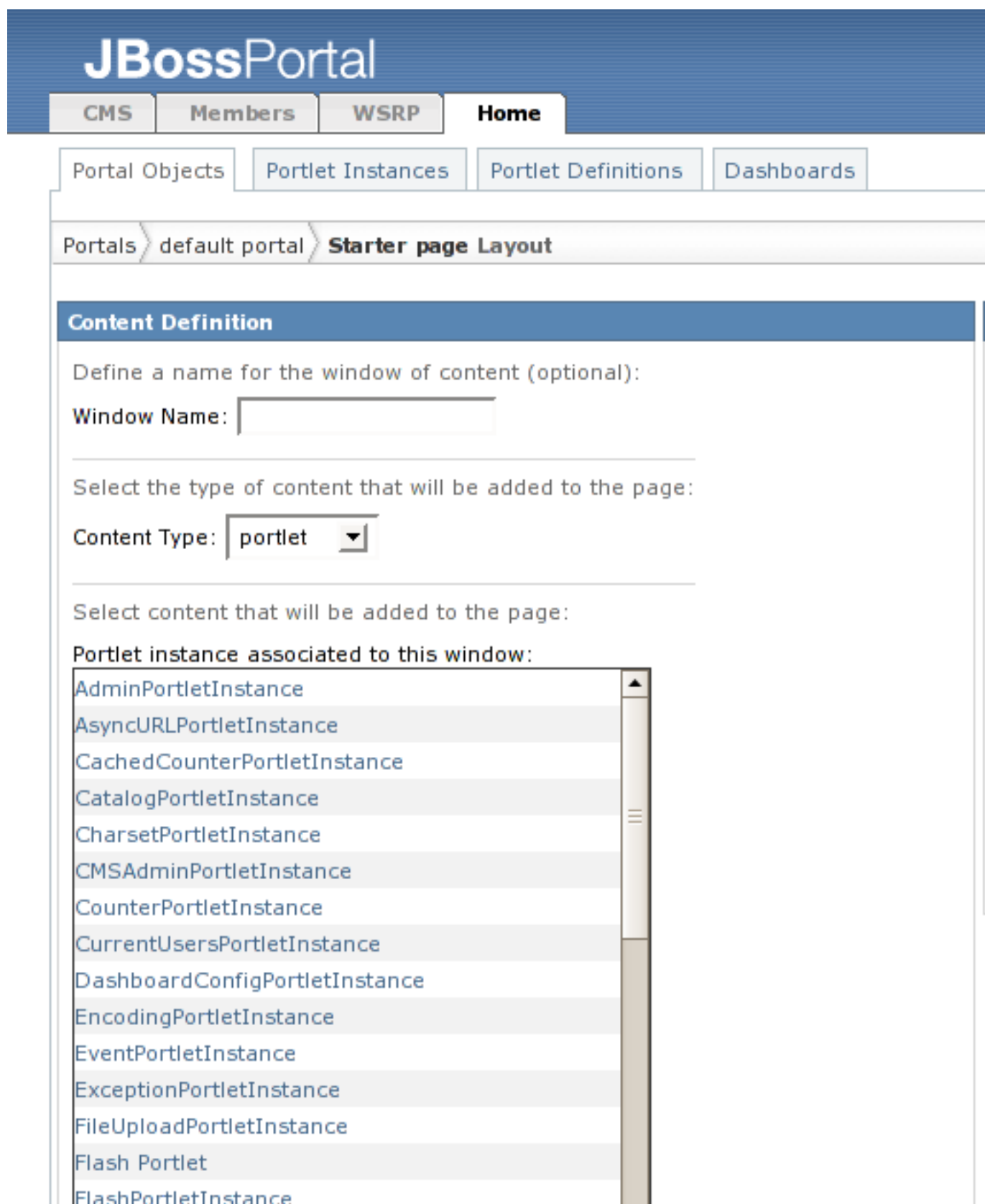
Type in "Flash Portlet" as the instance name in the textbox at the bottom of the page, and click on the "Create Instance" button. The resulting view will show the summary information about the "Flash Portlet" portlet instance that we created. (Figure 46).



---

Figure 46. Portlet instances summary.

Now you can add this portlet instance to the Starter portal page. Click on the "Portal Objects" tab and navigate to the "Page layout" page of "Starter" portal page as we did in the last section. Select "Flash Portlet" from the portlet list, click the "Select" button, and add it to center of the "Starter" portal page with a name of "flash" (Figure 47).



The image shows the JBossPortal web interface. At the top, there's a blue header with the 'JBossPortal' logo. Below the logo is a navigation bar with tabs: 'CMS', 'Members', 'WSRP', and 'Home'. Underneath this is another set of tabs: 'Portal Objects', 'Portlet Instances', 'Portlet Definitions', and 'Dashboards'. The main content area has a breadcrumb trail: 'Portals' > 'default portal' > 'Starter page Layout'. The 'Content Definition' section is active, showing a form to define a content window. It includes a 'Window Name' text field, a 'Content Type' dropdown menu set to 'portlet', and a list of portlet instances to choose from. The 'Flash Portlet' is highlighted in the list.

## JBossPortal

CMS Members WSRP Home

Portal Objects Portlet Instances Portlet Definitions Dashboards

Portals > default portal > **Starter page Layout**

### Content Definition

Define a name for the window of content (optional):

Window Name:

Select the type of content that will be added to the page:

Content Type:

Select content that will be added to the page:

Portlet instance associated to this window:

AdminPortletInstance	▲
AsyncURLPortletInstance	
CachedCounterPortletInstance	
CatalogPortletInstance	
CharsetPortletInstance	≡
CMSAdminPortletInstance	
CounterPortletInstance	
CurrentUsersPortletInstance	
DashboardConfigPortletInstance	
EncodingPortletInstance	
EventPortletInstance	
ExceptionPortletInstance	
FileUploadPortletInstance	
Flash Portlet	
FlashPortletInstance	



Figure 47. Starter portal page with "flash" portlet added.

Click on the "Portal" link in the upper right of the page. Click on the Starter portal page, and the "flash" portlet is displayed (Figure 48).

# JBossPortal

[Home](#)[News](#)[Test](#)[TestWithAjax](#)[Weather](#)[Flash](#)[Starter](#)

## Miami, FL, US

Currently	Fri	Sat
		
Mostly Cloudy	Thundershowers	Scattered Thunderstorms
90F	77F/87F	77F/88F

[Complete Forecast](#)

### Flash Portlet

# JBoss is what's next | now



Powered by

Figure 48. Starter portal page with "flash" portlet.



# Tutorial End

**Kevin Barfield**

**Chris DeLashmutt**

**Xi Huang**

Congratulations! You have completed the JBoss Portal Quickstart Tutorial. During this tutorial, you:

- Downloaded and unzipped the JBoss Portal bundle
- Executed the JBoss Portal
- Interacted with the default portal
- Created and edited content in the JBoss Portal
- Managed the JBoss Portal
- Added a new portlet to the JBoss Portal

Next steps: Next, take a look at the user guide for JBoss Portal. This will give you more information about using JBoss Portal. There is also a reference guide for developers using JBoss Portal. Both guides are accessible from our [Documentation Page](http://labs.jboss.com/portal/jbossportal/docs) [http://labs.jboss.com/portal/jbossportal/docs]

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