

JBoss Portal 2.6.1-CR1

Quickstart User Guide

Release 2.6.1-CR1 "Ninja"

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JBoss Portal - Overview

JBossPortal Login

Home News Test TestWithAjax

Greetings!

1 Demo. 2 Download. 3 Accessorize.

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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, 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 [1] open source license and is supported by Red Hat [2]. Red Hat support services are available to assist you in designing, developing, deploying, and ultimately managing your portal environment. JBoss Portal is currently developed by Red Hat, Inc. developers, and community contributors.

The JBoss Portal framework and architecture includes the portal container and supports a wide range of features including standard portlets, single sign-on, clustering and internationalization. Portal themes and layouts are configurable. Users have the ability to fully customize thier own personal portal pages. Fine-grained security administra-

[1] <http://www.jboss.org/opensource/lgpl/faq>

[2] <http://www.jboss.com/services/index>

tion down to portlet permissions rounds out the security model. JBoss Portal includes a rich content management system with approval cycle support.

JBoss Portal Resources:

1. JBoss Portal Project Home Page [3]
2. Downloads [4]
3. Documentation [5]
4. Forums: User [6] | Developer [7] | Eclipse Portlet Plugin [8]
5. Wiki [9]
6. PortletSwap.com portlet exchange [10]
7. Our Roadmap [11]

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.

[3] <http://www.jboss.org/products/jbossportal>

[4] <http://labs.jboss.com/jbossportal/download/index.html>

[5] <http://labs.jboss.com/jbossportal/docs/index.html>

[6] <http://www.jboss.org/index.html?module=bb&op=viewforum&f=215>

[7] <http://www.jboss.org/index.html?module=bb&op=main&c=14>

[8] <http://jboss.org/index.html?module=bb&op=viewforum&f=239>

[9] <http://www.jboss.com/wiki/Wiki.jsp?page=JBossPortal>

[10] <http://www.portletswap.com>

[11] <http://jira.jboss.com/jira/browse/JBPORTAL?report=com.atlassian.jira.plugin.system.project:roadmap-panel>

1

Tutorial Forward

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Xi Huang <xhuang@redhat.com>

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. 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.

2

Installation

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Xi Huang <xhuang@redhat.com>

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. 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> [2]. 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> [3]). Once you have unzipped it, you should have a directory structure with the following folders under, jboss-portal-2.6-GA:

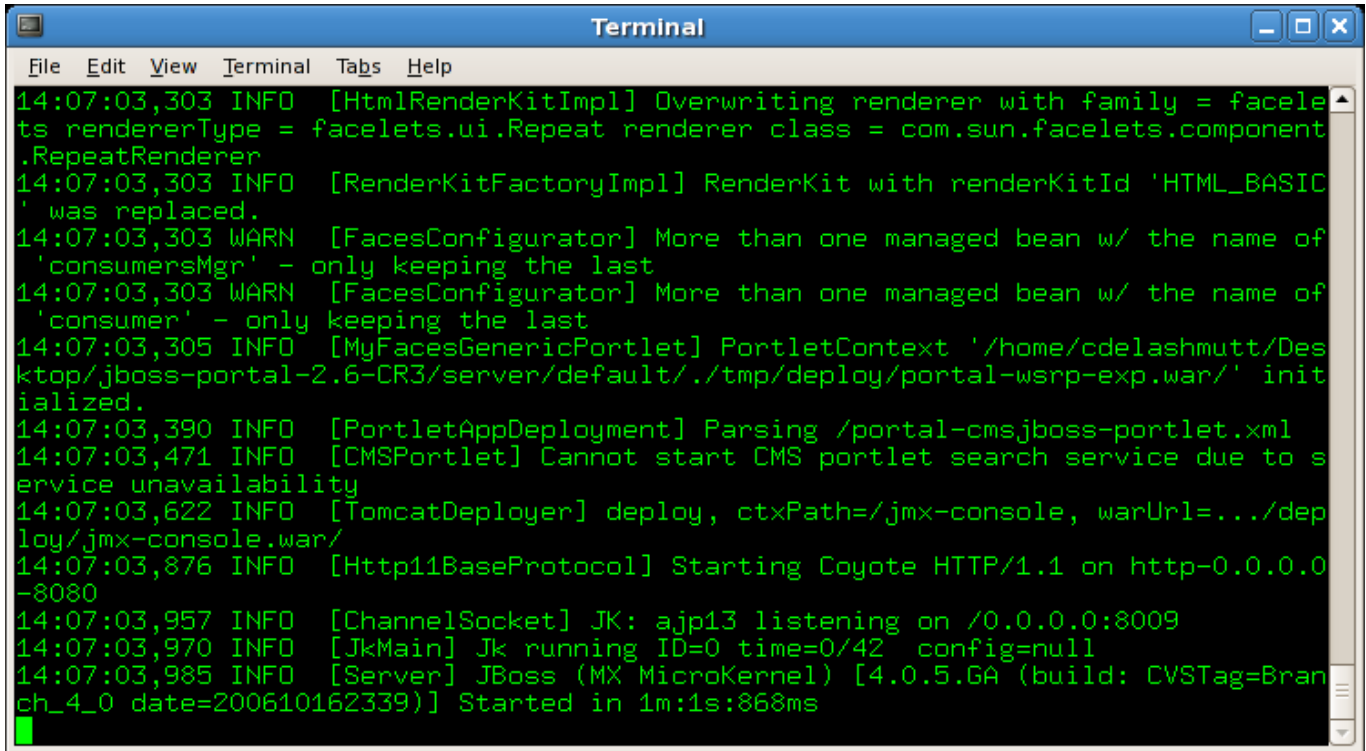
- **bin** - Contains the startup/shutdown commands for the JBoss Portal
- **client** - Contains client libraries
- **docs** - Contains documentation for the JBoss Portal
- **lib** - Contains libraries
- **server** - Contains JBoss Application Server configuration and the jboss-portal.sar file in the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

[2] <http://www.jboss.com/products/JBoss Portal/downloads>

[3] <http://sourceforge.net/projects/sevenzzip/>

A screenshot of a terminal window titled "Terminal" with a menu bar (File, Edit, View, Terminal, Tabs, Help). The terminal displays a series of log messages in green text on a black background. The messages include information about rendering, warnings about managed beans, portlet initialization, and the final startup of JBoss (MX MicroKernel) on port 8080.

```
14:07:03,303 INFO [HtmlRenderKitImpl] Overwriting renderer with family = facelets
rendererType = facelets.ui.Repeat renderer class = com.sun.facelets.component
.RepeatRenderer
14:07:03,303 INFO [RenderKitFactoryImpl] RenderKit with renderKitId 'HTML_BASIC'
was replaced.
14:07:03,303 WARN [FacesConfigurator] More than one managed bean w/ the name of
'consumersMgr' - only keeping the last
14:07:03,303 WARN [FacesConfigurator] More than one managed bean w/ the name of
'consumer' - only keeping the last
14:07:03,305 INFO [MyFacesGenericPortlet] PortletContext '/home/cdelashmutt/Desktop/
jboss-portal-2.6-CR3/server/default/./tmp/deploy/portal-wsrp-exp.war/' initialized.
14:07:03,390 INFO [PortletAppDeployment] Parsing /portal-cmsjboss-portlet.xml
14:07:03,471 INFO [CMSPortlet] Cannot start CMS portlet search service due to s
ervice unavailability
14:07:03,622 INFO [TomcatDeployer] deploy, ctxPath=/jmx-console, warUrl=../dep
loy/jmx-console.war/
14:07:03,876 INFO [Http11BaseProtocol] Starting Coyote HTTP/1.1 on http-0.0.0.0
-8080
14:07:03,957 INFO [ChannelSocket] JK: ajp13 listening on /0.0.0.0:8009
14:07:03,970 INFO [JkMain] Jk running ID=0 time=0/42 config=null
14:07:03,985 INFO [Server] JBoss (MX MicroKernel) [4.0.5.GA (build: CVSTag=Branch_4_0
date=200610162339)] Started in 1m:1s:868ms
```

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).

JBossPortal
Login

Home
News
Test
TestWithAjax


Greetings!

1




Demo.

2



Download.

3





Accessorize.

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Baci e abbracci.

Figure 2. Default page for the JBoss Portal.

3

Portal Terminology

Kevin Barfield <kbarfiel@redhat.com>

Chris DeLashmutt <cdeleshm@redhat.com>

Xi Huang <xhuang@redhat.com>

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.

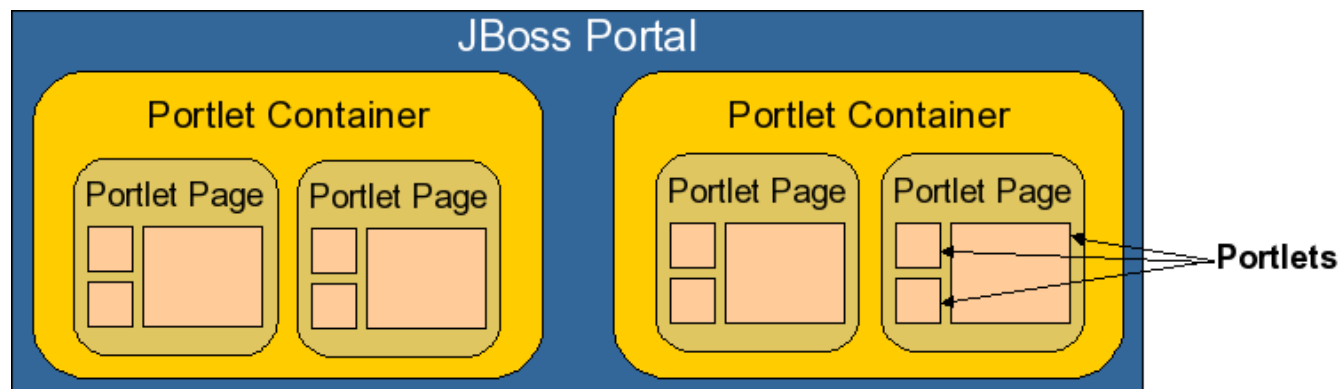


Figure 3. Portal Definition Diagram.

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

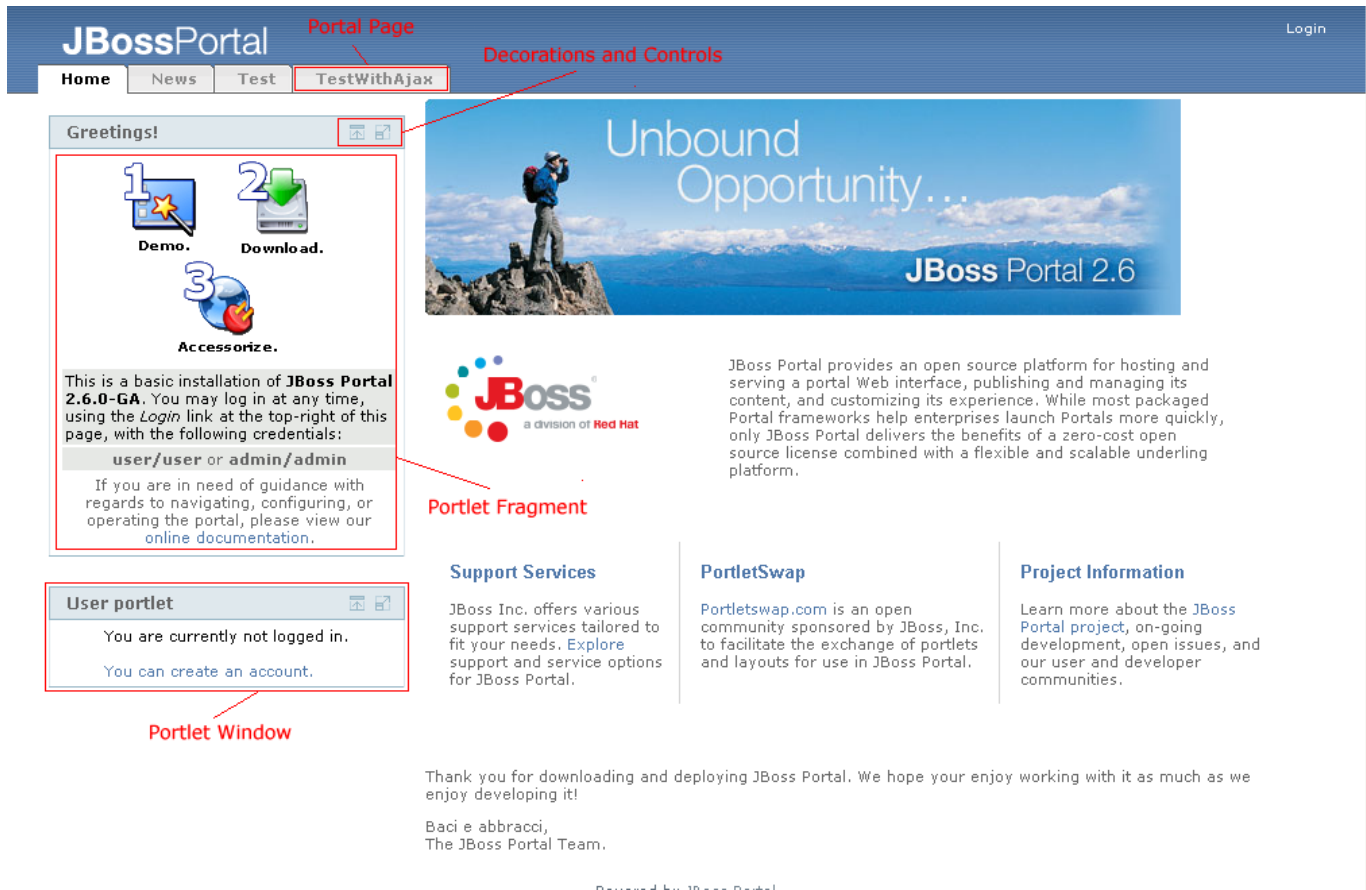


Figure 4. The default portal page with components highlighted.

Now we see that the default portal we are looking at has four 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.

4

Interaction with the Portal

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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):

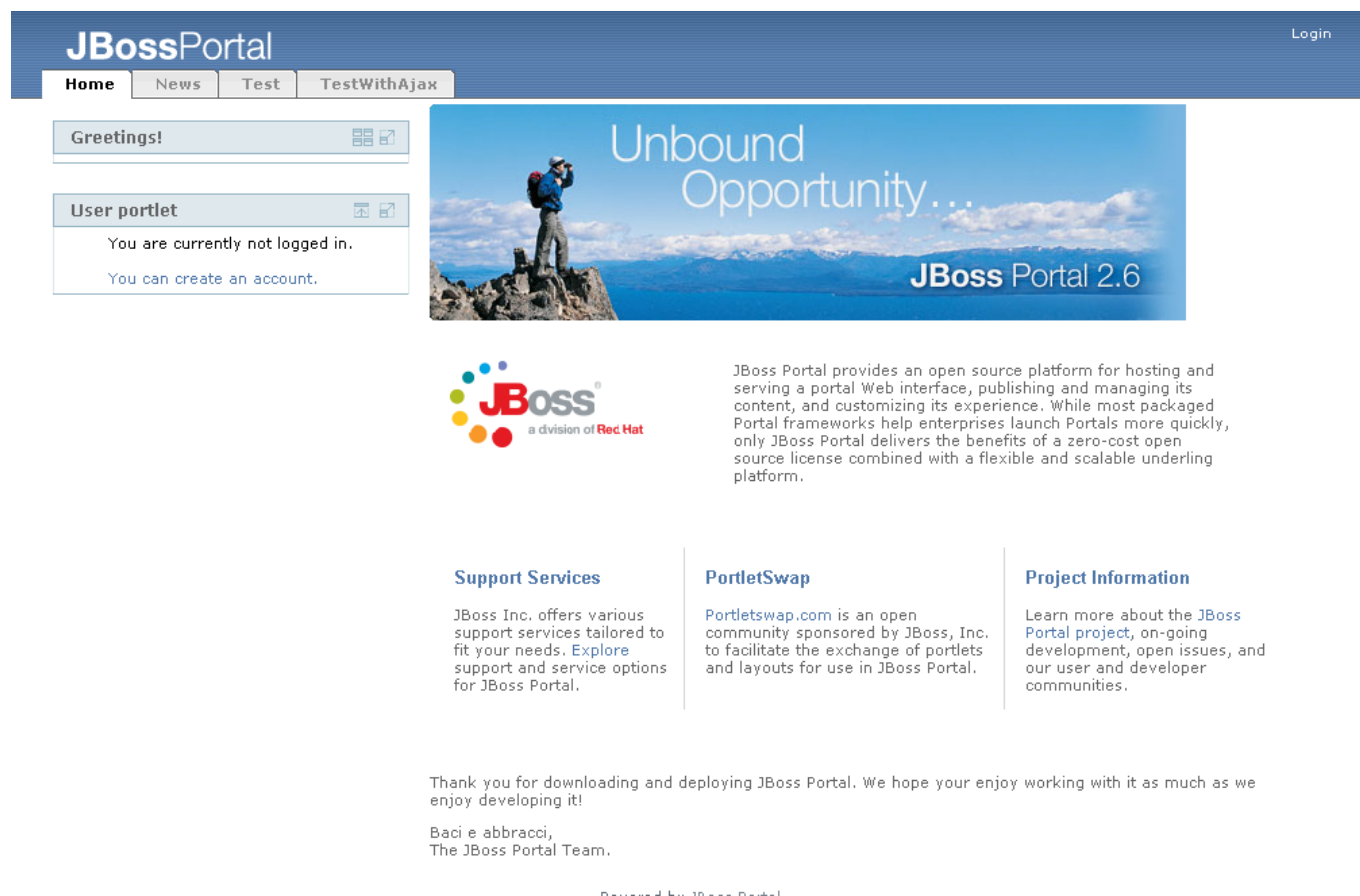


Figure 5. Default page with portlet minimized.

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.

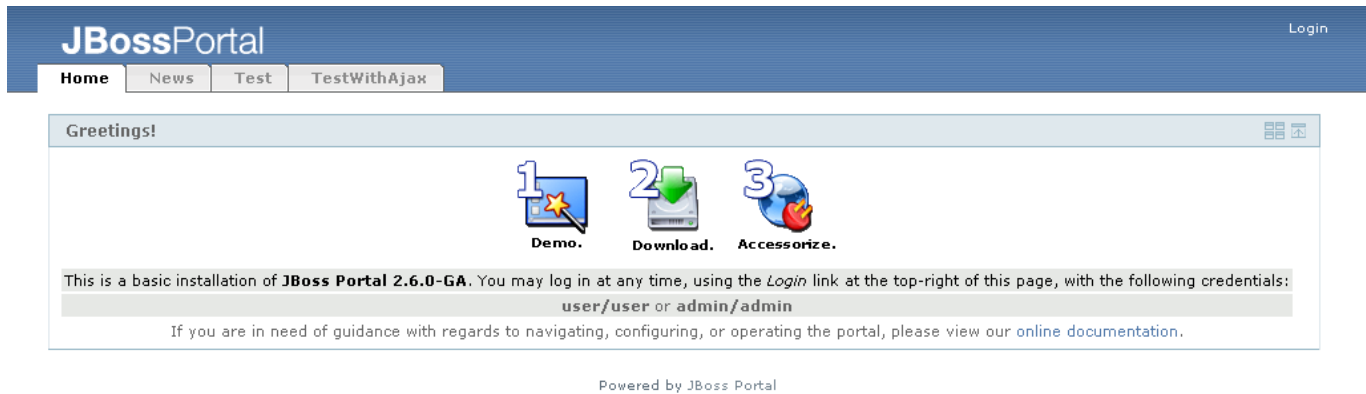


Figure 6. Portal with portlet maximized.

4.2. User Creation

Let's create a user for the portal. Click on the "You can create an account." link in the user portlet. The create user view now shows in the user portlet. Enter the information as shown in Figure 7 (password is starter). Once you have clicked "New user registration" button, the default view will show (Figure 8).

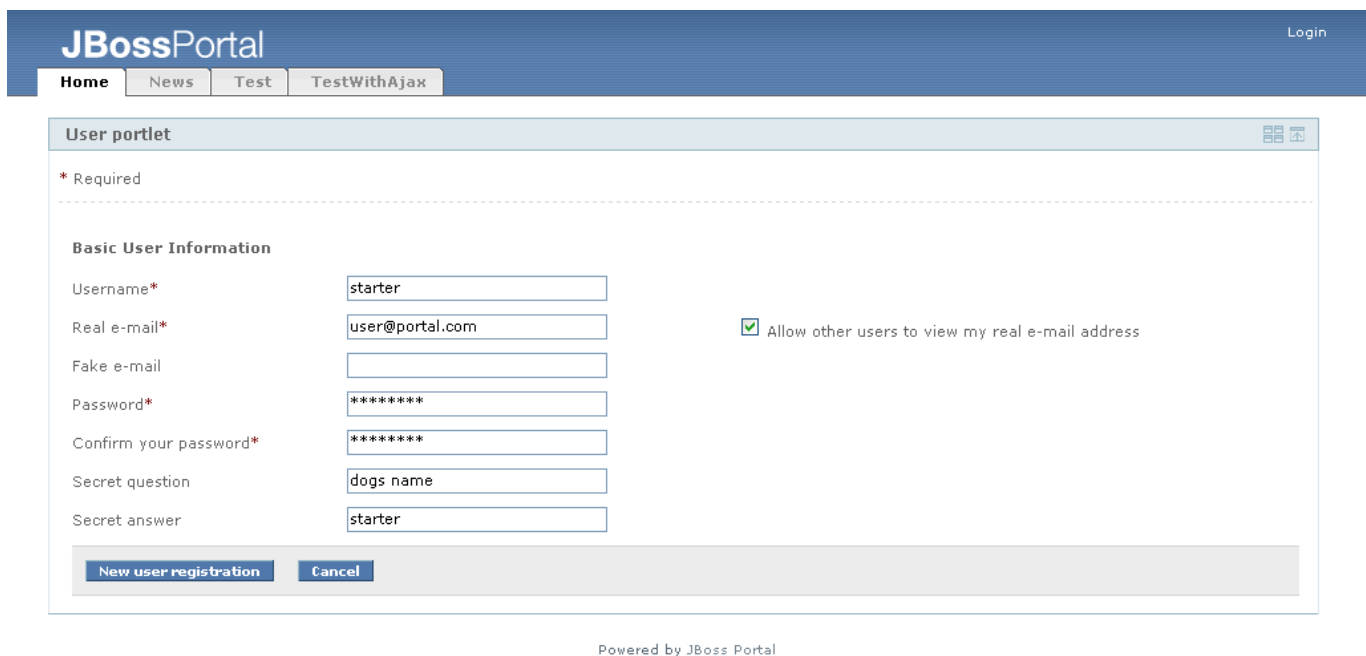


Figure 7. The Create user view in the user portlet.

JBossPortal Login

Home News Test TestWithAjax

Greetings!

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Figure 8. The default view after registering a new user.

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"

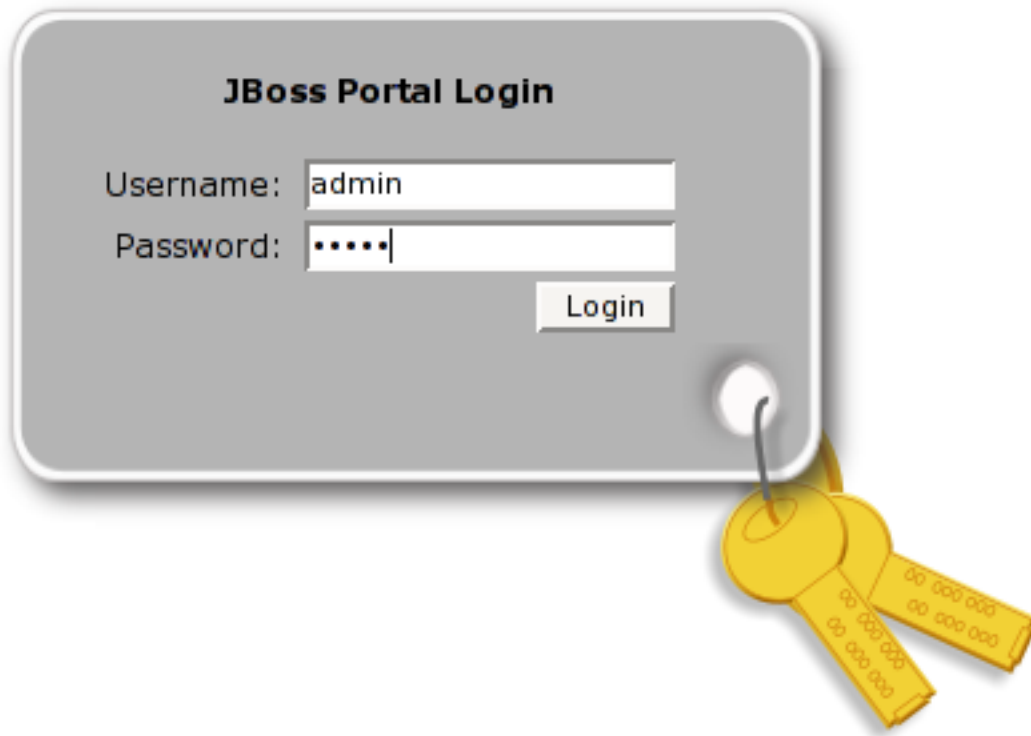


Figure 9. Portal login page.

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

JBossPortal

Logged in as: admin
Dashboard | **Admin** | Logout

Home | News | Test | TestWithAjax

Greetings!

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User portlet

View/Edit users

+ Create User account
🔧 Edit your profile

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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).

JBossPortal

Logged in as: admin
Dashboard | Portal | Copy to my dashboard | Logout

CMS | Members | WSRP | Home

CMS Administration

Use the CMS Administration portlet to manage the content of your portal.

Browsing: Home

Select Action ▾

Name	Action	Created	Modified
📁 default	View <input type="button" value="Go"/>	06/27/07 21:45	06/27/07 21:45

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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 up-

load archive link. The upload archive view shows (Figure 12).

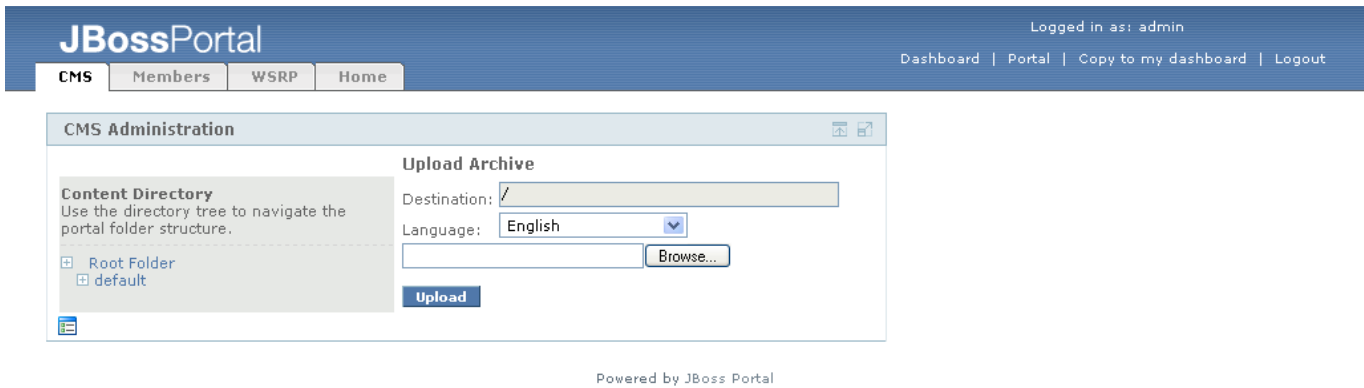


Figure 12. Upload Archive view.

Note

Please use the quickstart.zip for the batch upload. You may also download it from here [1]. 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).

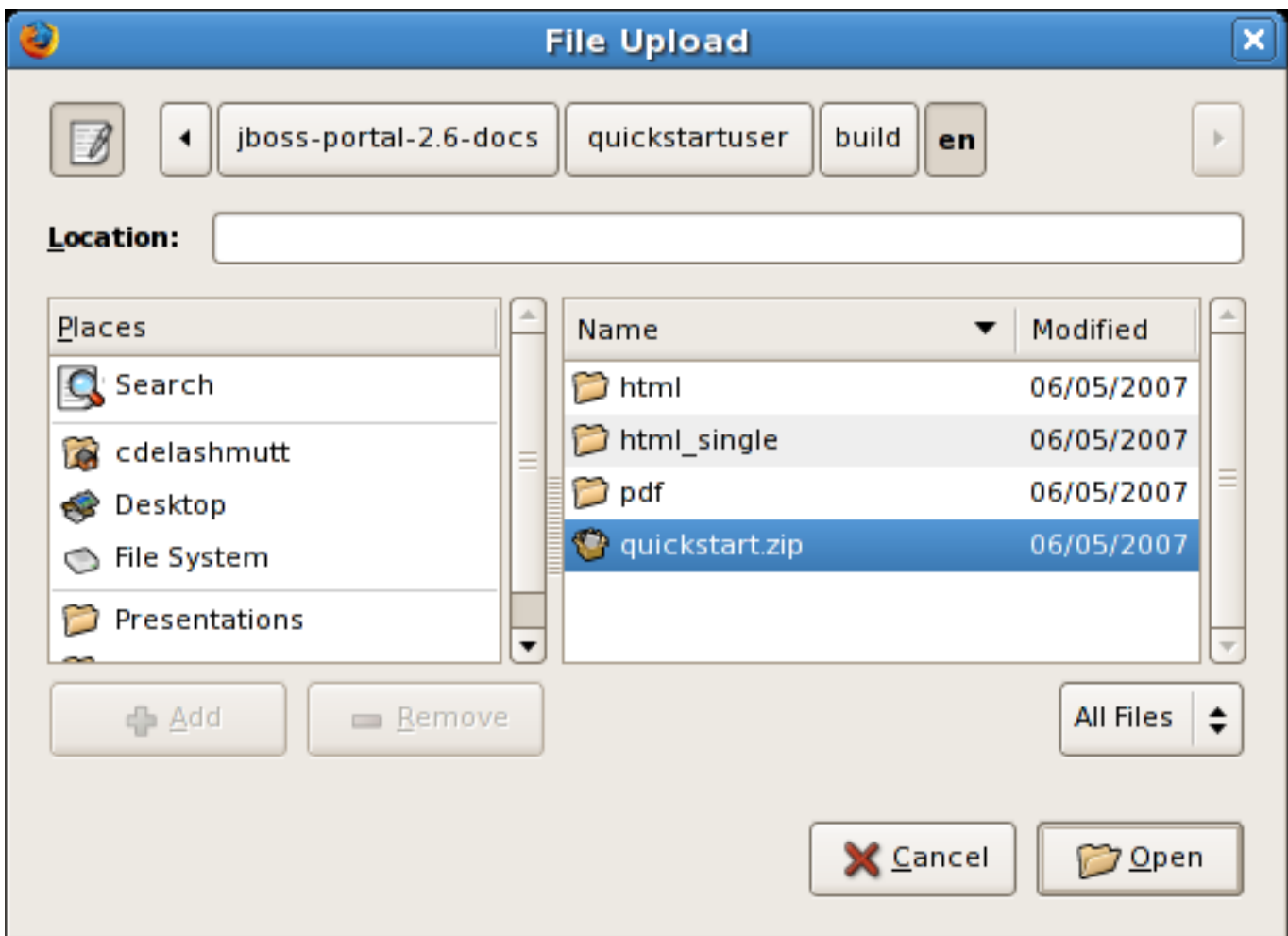


Figure 13. Choose file to batch upload.

Click on the quickstart.zip that you downloaded earlier (see note above) and select "Open". Finally, click the "Up-

[1] <http://docs.jboss.org/jbportal/v2.6/quickstartuser/en/quickstart.zip>

load" 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).

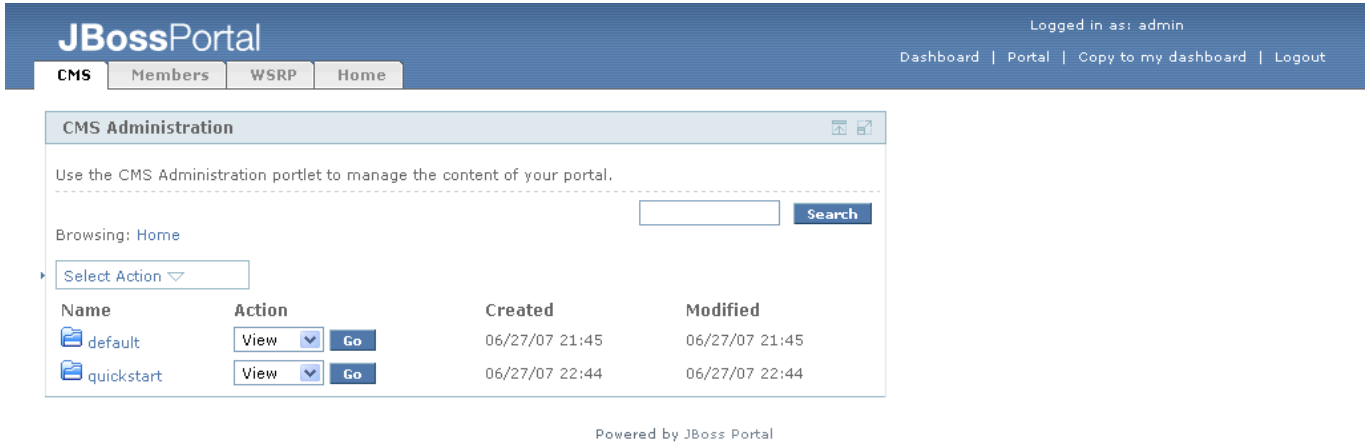


Figure 14. New quickstart directory shows in content management repository.

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).

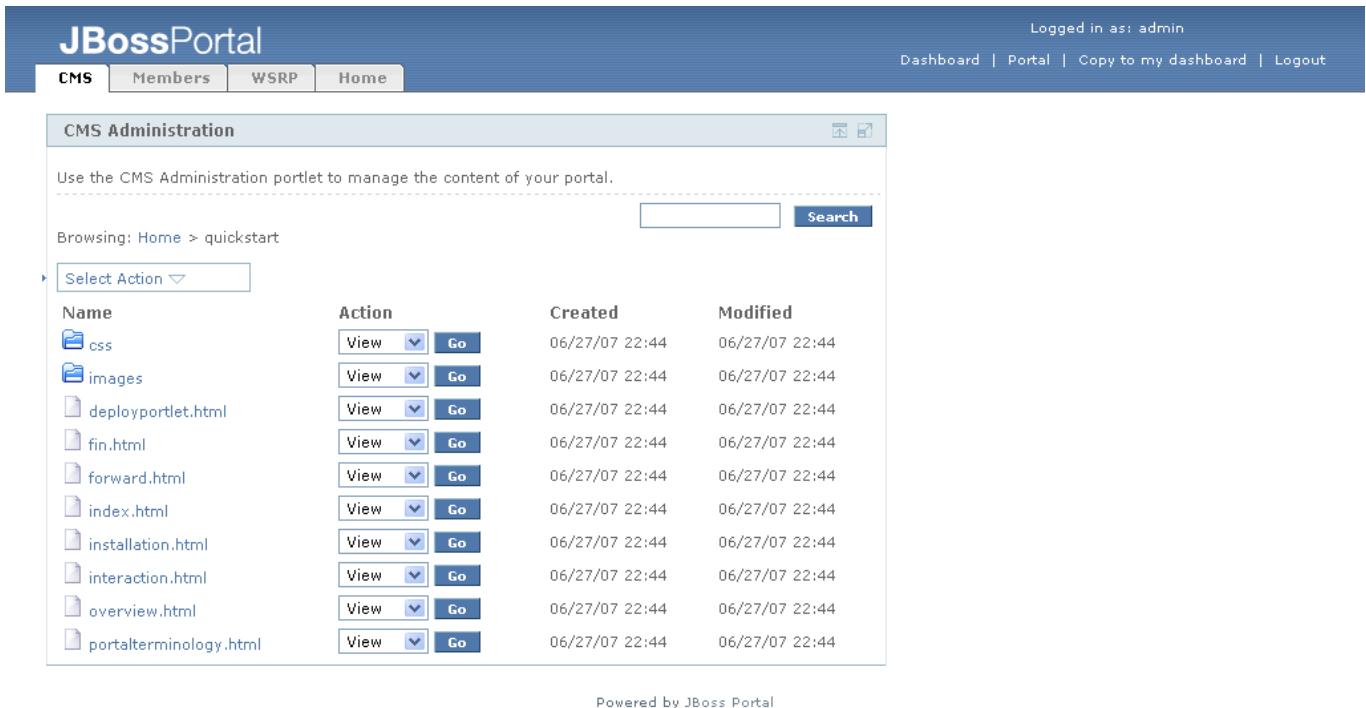


Figure 15. HTML files and sub-directories that were uploaded into quickstart directory shows in content management repository.

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 screenshot shows the JBossPortal CMS Administration interface. The header includes the JBossPortal logo, navigation tabs (CMS, Members, WSRP, Home), and user information (Logged in as: admin). The main content area is titled "CMS Administration" and contains a search bar and a breadcrumb trail: "Browsing: Home > default". Below this is a table listing files and folders:

Name	Action	Created	Modified
images	View <input type="button" value="Go"/>	06/27/07 21:45	06/27/07 21:45
private	View <input type="button" value="Go"/>	06/27/07 21:45	06/27/07 21:45
index.html	View <input type="button" value="Go"/>	06/27/07 21:45	06/27/07 21:45
project.html	View <input type="button" value="Go"/>	06/27/07 21:45	06/27/07 21:45
support.html	View <input type="button" value="Go"/>	06/27/07 21:45	06/27/07 21:45

Powered by JBoss Portal

Figure 16. Default directory listing.

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

The screenshot shows the JBossPortal CMS Administration interface with the "index.html" file selected. The breadcrumb trail is "Browsing: Home > default > index.html". Below this is a table showing the version history of the file:

Type	Size	Version	Created	Modified	Title
English text/html	2kb	1.0 ★	06/27/07 21:45	06/27/07 21:45	JBoss Portal

Powered by JBoss Portal

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). Note: The WYSIWYG editor is dependent on browser. Some browsers show a box to enter HTML.

CMS Administration

Edit File

Editing File: /default/index.html
Description: JBoss Portal
Title: JBoss Portal
Language: English
Make "Live":
Version: 1.1
WYSIWYG Editor:

Links to resources within this portal should be absolute. For example: A link to an image located in default/images/back.gif should be typed in exactly as shown here. Do not prefix a slash (/) to the path of the resource. You can verify the link is correct by clicking on the preview button in the editor.

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B I U ABC | **Format** | **Font family** | **Font size** | **HTML**

Create **Reset**

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 link below that to "to see the Quickstart guide for JBoss Portal.". The updated text is in Figure 19.

CMS Administration Edit File

Editing File: /default/index.html

Description:

Title:

Language: English

Make "Live":

Version: 1.0

Links to resources within this portal should be absolute. For example: A link to an image located in default/images/back.gif should be typed in exactly as shown here. Do not prefix a slash (/) to the path of the resource. You can verify the link is correct by clicking on the preview button in the editor.

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JBoss Portal Team.

Rich Text Editor: B I U ABC | [List Icons] | - Styles - | Paragraph | - Font family - | - Font size - | + 100%

Buttons: Create Reset

Figure 19. Updated text in HTML page.

Now let's update the link to point to the index.html page in the quickstart directory. Click on the "Click here" link 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).

General | Popup | Events | Advanced

General properties

Link URL:

Anchors: ▼

Target: ▼

Title:

Class: ▼

Update **Cancel**

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

Click "Update" button to save the updated 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 star icon next to the version number shows this is the live version.

JBossPortal Logged in as: admin

Dashboard | Portal | Copy to my dashboard | Logout

CMS | Members | WSRP | Home

CMS Administration

Use the CMS Administration portlet to manage the content of your portal.

Browsing: Home > default > index.html

Select Action ▼

Type	Size	Version	Created	Modified	Title
English					
text/html	2kb	1.0	06/27/07 21:45	06/27/07 21:45	JBoss Portal
text/html	2kb	1.1 ★	06/27/07 23:01	06/27/07 23:01	JBoss Portal

Powered by JBoss Portal

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 Logged in as: admin
Dashboard | Admin | Logout

Home News Test TestWithAjax

Greetings!

1 Demo. 2 Download. 3 Accessorize.

This is a basic installation of **JBoss Portal 2.6.0-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/Edit users

[Create User account](#)
[Edit your profile](#)

Unbound Opportunity...
JBoss Portal 2.6

JBoss a division of Red Hat

JBoss Portal provides an open source platform for hosting and serving a portal Web interface, publishing and managing its content, and customizing its experience. While most packaged Portal frameworks help enterprises launch Portals more quickly, only JBoss Portal delivers the benefits of a zero-cost open source license combined with a flexible and scalable underlying platform.

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

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

QuickStart Guide
Click here to see the QuickStart Guide for JBoss Portal.

Thank you for downloading and deploying JBoss Portal. We hope your enjoy working with it as much as we enjoy developing it!

Baci e abbracci,
The JBoss Portal Team.

Powered by JBoss Portal

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 Logged in as: admin
Dashboard | Admin | Logout

Home News Test TestWithAjax

Greetings!

1 Demo. 2 Download. 3 Accessorize.

This is a basic installation of **JBoss Portal 2.6.0-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/Edit users

[Create User account](#)
[Edit your profile](#)

JBoss Portal 2.6 [Next](#)

JBoss Portal 2.6

Quickstart User Guide

Kevin Barfield
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JBoss Portal - Overview

Powered by JBoss Portal

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).

Powered by JBoss Portal

Figure 24. Admin portal page.

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

Powered by JBoss Portal

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).

JBossPortal Logged in as: admin

[CMS](#) [Members](#) [WSRP](#) [Home](#) [Dashboard](#) | [Portal](#) | [Copy to my dashboard](#) | [Logout](#)

User portlet

Edit roles for the user: "starter"

Available roles: Administrators, Users

Roles to assign: Users

Buttons: Add roles, Remove roles, Assign roles, Cancel

Powered by JBoss Portal

Figure 26. User portlet with available roles view.

Add the "Administrators" role to this user by selecting it from the "Available roles" list box and clicking the "Add Roles" button. Click the "Assign roles" button to apply the new roles list to the user. This brings us back to the User portlet menu view (Figure 27).

JBossPortal Logged in as: admin

[CMS](#) [Members](#) [WSRP](#) [Home](#) [Dashboard](#) | [Portal](#) | [Copy to my dashboard](#) | [Logout](#)

User portlet

Search results for "" (3 Matching Users)

Username	Firstname	Lastname	Roles	Actions
starter	N/A	N/A	Administrators Users	Profile Roles Delete user
user	N/A	N/A	Users	Profile Roles Delete user
admin	N/A	N/A	Administrators	Profile Roles Delete user

View/Edit users: 10

[+ Create User account](#)

Powered by JBoss Portal

Figure 27. User portlet menu view.

Now let's look at the user profile for the starter user. Click on the "Profile" link next to the starter user. The user profile view appears (Figure 28).

JBossPortal Logged in as: admin

CMS **Members** WSRP Home Dashboard | Portal | Copy to my dashboard | Logout

Personal information

* Required

Basic User Information

Firstname

Lastname

Real e-mail*
(This e-mail will not be public but is required. It will be used to send your password if you lose it)

Fake e-mail
(This e-mail will be public. Type what you'd like. Spam proof)

Allow other users to view my real e-mail address

Address of your personal website

Preferred language

Time zone offset

Theme

Instant Message Identities

ICQ id

AIM id

Figure 28. User profile view.

This shows all of the fields available in the user profile. Enter the first name of "starter" and click the "Save changes" button. The Member management page is displayed now (Figure 29).

JBossPortal Logged in as: admin

CMS **Members** WSRP Home Dashboard | Portal | Copy to my dashboard | Logout

Role management

Use this portlet to create, edit, delete and add users to roles. These roles are used in the Management Portlet to set access rights.

There are 2 roles defined

Administrators	Members	Delete
Users	Members	Delete

[Create new role](#)

User portlet

Your profile has been modified, the portal will be running with your former profile until you log back in.

View/Edit users
 [Search](#)

[+ Create User account](#)

[Edit your profile](#)

Powered by JBoss Portal

Figure 29. Member management portal page default view.

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).

JBossPortal

Logged in as: admin
Dashboard | Portal | Logout

CMS Members WSRP Home

Management Portlet

Portal Objects Portlet Instances Portlet Definitions

> root > admin > Members
Page layout | Security | Properties | Theme | Rename | Destroy

Create a page: Add

Default page: no selection Update

Window	Actions
UserPortletWindow	Theme Properties Rename Destroy
RolePortletWindow	Theme Properties Rename Destroy

Switch to wizard mode

Powered by JBoss Portal

Figure 30. Management portlet page view.

Let's create a new portal page. Click on the "root" breadcrumb link below the "Portal Objects" tab then choose "default" portal. Enter "Starter" in the text field next to the "Create a page:" label. Your portal page view should match the following figure (Figure 31).

JBossPortal

Logged in as: admin
Dashboard | Portal | Logout

CMS Members WSRP Home

Management Portlet

Portal Objects Portlet Instances Portlet Definitions

> root > default
Security | Properties | Theme | Destroy

Create a page: Starter Add

Default page: default Update

Page	Actions
News	Page layout Security Properties Theme Rename Destroy
TestWithAjax	Page layout Security Properties Theme Rename Destroy
Test	Page layout Security Properties Theme Rename Destroy
default	Page layout Security Properties Theme Rename Destroy

Switch to wizard mode

Powered by JBoss Portal

Figure 31. Management portlet add page view.

Click the "Add" 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 Portlet interface. At the top, there is a navigation bar with 'JBossPortal' on the left and 'Logged in as: admin' on the right. Below the navigation bar are tabs for 'CMS', 'Members', 'WSRP', and 'Home'. The main content area is titled 'Management Portlet' and contains several tabs: 'Portal Objects', 'Portlet Instances', and 'Portlet Definitions'. The current view is for the 'default' portal page, with a breadcrumb trail: '> root > default'. Below the breadcrumb, there are links for 'Security', 'Properties', 'Theme', and 'Destroy'. There are two form fields: 'Create a page:' with an 'Add' button, and 'Default page:' with a dropdown menu set to 'default' and an 'Update' button. A table lists the pages available:

Page	Actions
News	Page layout Security Properties Theme Rename Destroy
TestWithAjax	Page layout Security Properties Theme Rename Destroy
Test	Page layout Security Properties Theme Rename Destroy
Starter	Page layout Security Properties Theme Rename Destroy
default	Page layout Security Properties Theme Rename Destroy

At the bottom right of the table, there is a link 'Switch to wizard mode'. Below the table, it says 'Powered by JBoss Portal'.

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 screenshot shows the JBossPortal Management Portlet interface for editing the 'Starter' portal page. The breadcrumb trail is '> root > default > Starter'. The main heading is 'You are editing the page layout'. Below this, there is a section 'You can choose among several types of content to assign on the page:' with a 'Content type:' dropdown menu set to 'portlet'. There is an 'Add' button next to it. Below that, there is a section 'You can enter a window name used during content selection (optional):' with a 'Window Name:' text input field. There are two regions for content selection: 'center Region' and 'left Region'. Each region has an 'Add' button and a list of portlet instances. The 'center Region' has 'Up', 'Down', and 'Delete' buttons. The 'left Region' has 'Up', 'Down', and 'Delete' buttons. Below the regions, there is a section 'Select content that will be added to the page:' with a sub-section 'Select a portlet instance to associate to this window:' and a list of portlet instances:

- AdminPortletInstance
- AsyncURLPortletInstance
- CachedCounterPortletInstance
- CatalogPortletInstance
- CharsetPortletInstance
- CMSAdminPortletInstance
- CMSPortletInstance
- CounterPortletInstance
- DashboardConfigPortletInstance
- ...

Figure 33. Management portlet for Starter portal page.

First, let's add a weather portlet. We know this is portlet, so we can leave the "Content Type" drop-down set to "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. In the list labeled "Select a portlet instance to associate to this window", select the "WeatherPortletInstance" portlet instance and click the "Select" button. 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).

You can choose among several types of content to assign on the page:

Content type:

You can enter a window name used during content selection (optional):

Window Name:

Select content that will be added to the page:

Select a portlet instance to associate to this window:

- FormAutoSubmitPortletInstance
- FSContentDrivenPortletInstance
- GoogleWidgetPortletInstance
- HeaderContentPortletInstance
- JSPPortletInstance
- NetUnityGoogleSearchInstance
- NewsPortletInstance
- NewsPortletInstance2
- NUStockQuoteInstance
- PortletAInstance
- PortletBInstance
- PortletContentEditorInstance
- PortletSessionPortletInstance
- RolePortletInstance
- SecuredTestPortletInstance
- TestPortletInstance
- URLPortletInstance
- UserPortletInstance
- WeatherPortletInstance**
- WSRPConsumersConfigurationPortletInstance

Select

center Region

Add

Up

Down

Delete

left Region

Add

Up

Down

Delete

Figure 34. Choosing the "WeatherPortletInstance" portlet instance from the list.

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).

JBossPortal

Logged in as: admin

Dashboard | Portal | Logout

CMS Members WSRP Home

Management Portlet

Portal Objects Portlet Instances Portlet Definitions

> root > default > Starter

You are editing the page layout

You can choose among several types of content to assign on the page:

Content type:

You can enter a window name used during content selection (optional):

Window Name:

Select content that will be added to the page:

Select a portlet instance to associate to this window:

- AdminPortletInstance
- AsyncURLPortletInstance
- CachedCounterPortletInstance
- CatalogPortletInstance
- CharsetPortletInstance
- CMSAdminPortletInstance
- CMSPortletInstance
- CounterPortletInstance
- DashboardConfigPortletInstance

center Region

weather

Add

Up

Down

Delete

left Region

Add

Up

Down

Delete

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. Click on the "default" link in the breadcrumbs below the "Portal Objects" tab, then choose the "Starter" link. 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 in the breadcrumbs below the "Portal Objects" tab. Next click the "Security" link which is just below the breadcrumbs links, and the list of available roles and actions is shown for the "Starter" portal page.(Figure 37).

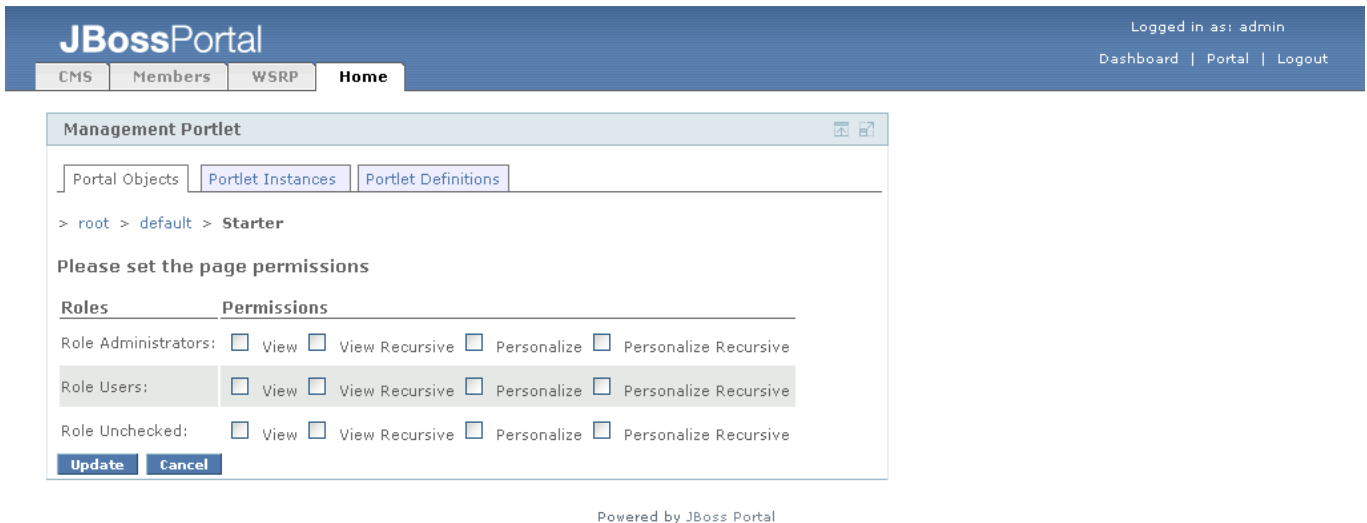


Figure 37. Security for the "Starter" portal page.

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).

The screenshot shows the JBossPortal Starter page. At the top left is the JBossPortal logo. To its right, it says "Logged in as: admin". Below the logo are navigation tabs: Home, News, Test, TestWithAjax, and Starter (which is highlighted). On the right side of the header, there are links: Dashboard | Admin | Copy to my dashboard | Logout. The main content area displays weather for "Miami, FL, US". It is organized into three columns: "Currently", "Thu", and "Fri". Each column has a weather icon, a description, and a temperature. Below the columns is a link for "Complete Forecast" and a note "Powered by JBoss Portal".

Currently	Thu	Fri
		
Light Rain	Scattered Thunderstorms	Scattered Thunderstorms
81F	76F/83F	76F/84F

[Complete Forecast](#)

Powered by JBoss Portal

Figure 38. The Starter portal page.

5

Deploying Portlets

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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> [1] (Figure 39).

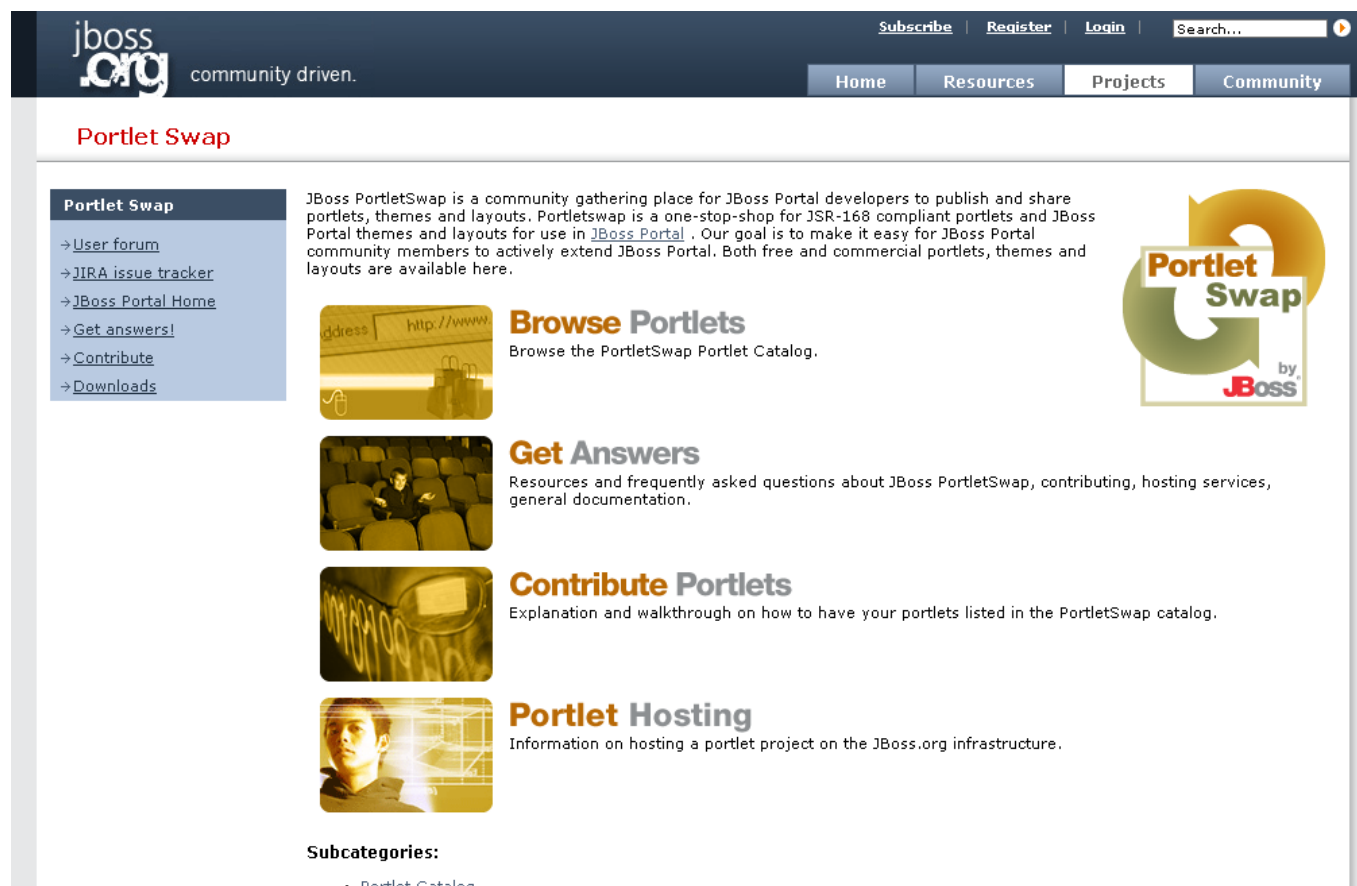


Figure 39. Portletswap website

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

[1] <http://www.portletswap.com>

The screenshot shows the JBoss Portlet Swap website. At the top, there is a navigation bar with links for 'Subscribe', 'Register', 'Login', and a search box. Below this, there are tabs for 'Home', 'Resources', 'Projects', and 'Community'. The main heading is 'Portlet Swap'. On the left, there is a sidebar with links: '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 an introductory paragraph, a link to 'here' for more information, and a table with columns for 'Name', 'Description', and 'Browse'. The table lists categories like 'Tutorial Portlets', 'Framework Portlets', 'Collaboration Portlets', and 'Miscellaneous Portlets'. Below the table, there are 'Subcategories' listed as 'Portlet Catalog' and 'Theme and Layouts'. At the bottom, there is a link to 'View all Downloads'.

Figure 40. Portlet categories on portletswap. Click on the Miscellaneous Portlets browse link to see a list of portlets (Figure 41).

The screenshot shows the 'Miscellaneous Portlets' page on the JBoss Portlet Swap website. It features a sidebar with the same navigation links as Figure 40. The main heading is 'PortletSwap Portlet Catalog - Miscellaneous Portlets'. Below the heading, there is a description of miscellaneous portlets. The page lists two portlets: 'Calculator Portlet' and 'Flash Portlet'. For each portlet, there is a table with columns for 'License', 'Compatibility', 'Description', and 'Download'. The 'Calculator Portlet' has a license of LGPL, compatibility with JSR168, and a description of being a ui-based calculator. The 'Flash Portlet' also has a license of LGPL, compatibility with JSR168, and a description allowing for a user-defined url pointing to a Flash (.swf) movie. To the right of each portlet description is a screenshot of the portlet in use. The 'Calculator Portlet' screenshot shows a standard Windows-style calculator window. The 'Flash Portlet' screenshot shows a window with the text 'next | advanced management tools | now' and the JBoss logo.

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).

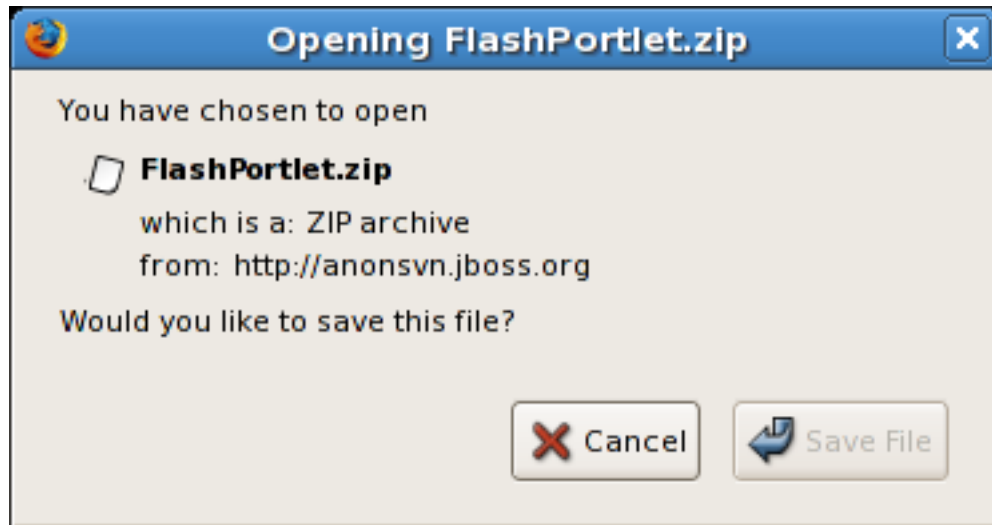


Figure 42. Download dialog.

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).

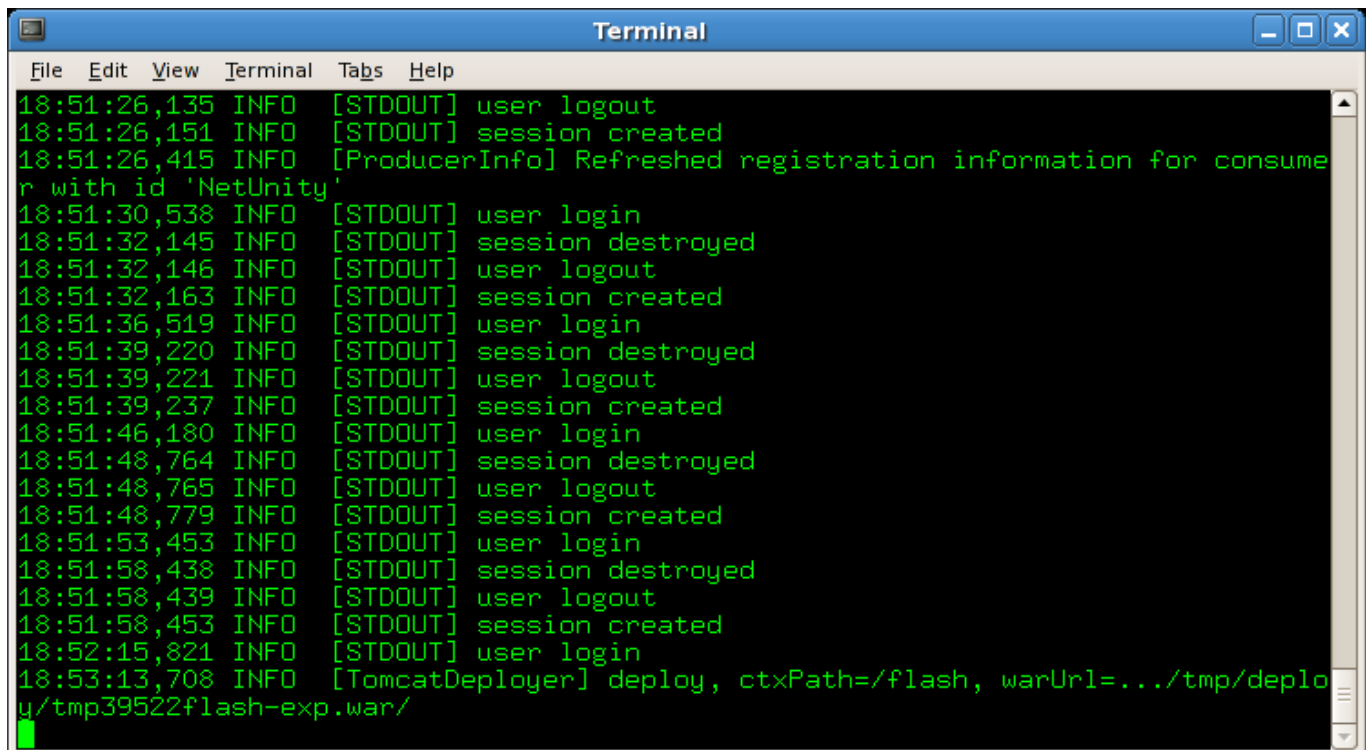


Figure 43. Flash Portlet deployed.

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 Logged in as: admin
Dashboard | Portal | Logout

CMS Members WSRP Home

Management Portlet

Portal Objects | Portlet Instances | Portlet Definitions

Portlet provider: local [Change](#)

Id	Name	Remote	Remotable	Actions
local./portal-admin.AdminPortlet	Administration Portlet	<input type="checkbox"/>	<input type="checkbox"/>	Info Preferences
local./portal-admin.DashboardConfigPortlet	Dashboard Configurator Portlet	<input type="checkbox"/>	<input type="checkbox"/>	Info Preferences
local./portal-cms.CMSAdminPortlet	Content Management System Administration Portlet	<input type="checkbox"/>	<input type="checkbox"/>	Info Preferences
local./portal-cms.CMSContentEditorPortlet	CMS Content Editor	<input type="checkbox"/>	<input type="checkbox"/>	Info Preferences
local./portal-cms.CMSPortlet	Content Management System Portlet	<input type="checkbox"/>	<input type="checkbox"/>	Info Preferences
local./portal-wsrp.WSRPConsumersConfigurationPortlet	WSRP Consumers Configuration	<input type="checkbox"/>	<input type="checkbox"/>	Info Preferences
local./widget.GoogleWidgetPortlet	Google Widget Portlet	<input type="checkbox"/>	<input type="checkbox"/>	Info Preferences
local.flashportlet.FlashPortlet		<input type="checkbox"/>	<input type="checkbox"/>	Info Preferences
local.portal.CatalogPortlet	Portal Pages Catalog Portlet	<input type="checkbox"/>	<input type="checkbox"/>	Info Preferences
local.portal.PortletContentEditorPortlet	Portlet Content Editor	<input type="checkbox"/>	<input type="checkbox"/>	Info Preferences

0 | 10 | 20 | 30

Figure 44. Admin portal page.

A list of all portlets will be displayed. Click on the [local.flashportlet.FlashPortlet](#) link. Once the portal page refreshes, scroll to the bottom of the page to see a dialog to create a new instance of the Flash Portlet (Figure 45).

local./portal-admin.DashboardConfigPortlet	Dashboard Configurator Portlet	<input type="checkbox"/>	<input type="checkbox"/>	Info Preferences
local./portal-cms.CMSAdminPortlet	Content Management System Administration Portlet	<input type="checkbox"/>	<input type="checkbox"/>	Info Preferences
local./portal-cms.CMSContentEditorPortlet	CMS Content Editor	<input type="checkbox"/>	<input type="checkbox"/>	Info Preferences
local./portal-cms.CMSPortlet	Content Management System Portlet	<input type="checkbox"/>	<input type="checkbox"/>	Info Preferences
local./portal-wsrp.WSRPConsumersConfigurationPortlet	WSRP Consumers Configuration	<input type="checkbox"/>	<input type="checkbox"/>	Info Preferences
local./widget.GoogleWidgetPortlet	Google Widget Portlet	<input type="checkbox"/>	<input type="checkbox"/>	Info Preferences
local.flashportlet.FlashPortlet		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Info Preferences
local.portal.CatalogPortlet	Portal Pages Catalog Portlet	<input type="checkbox"/>	<input type="checkbox"/>	Info Preferences
local.portal.PortletContentEditorPortlet	Portlet Content Editor	<input type="checkbox"/>	<input type="checkbox"/>	Info Preferences

0 10 20 30

Portlet details

Portlet name:

Portlet description:

Portlet title: Flash Portlet

Portlet keywords:

Portlet locales: en

Flash Portlet

Powered by JBoss Portal

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 "Portlet Instances" tab page will be displayed automatically, with the new "Flash Portlet" portlet instance that we created selected. (Figure 46).



Figure 46. Portlet instances administration.

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).

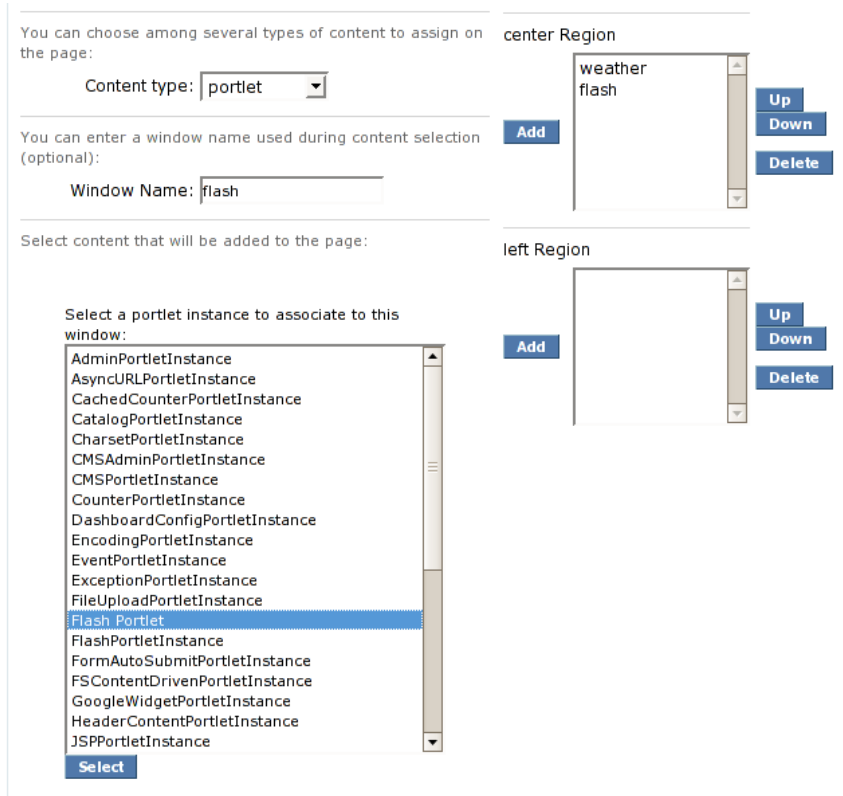


Figure 47. Starter portal page with "flash" portlet added.

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).

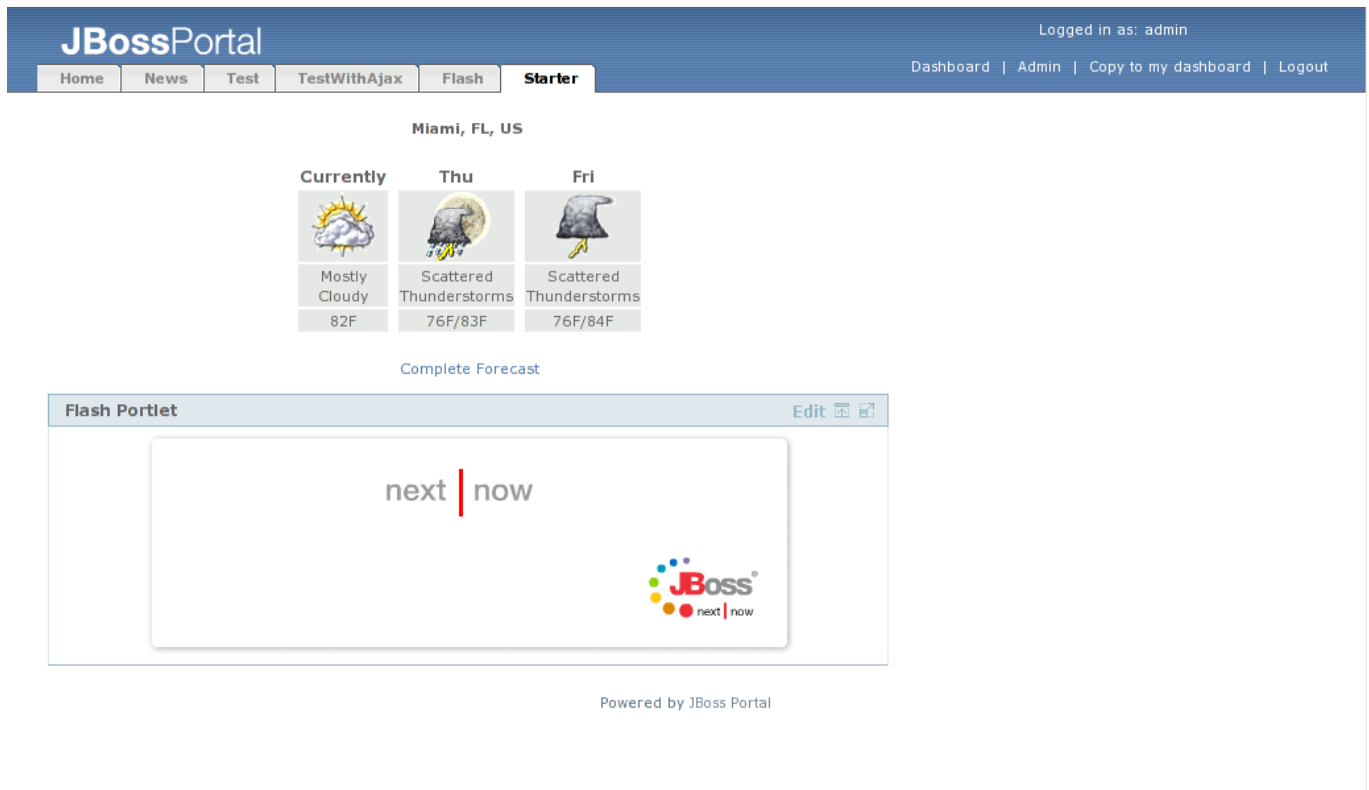


Figure 48. Starter portal page with "flash" portlet.

6

Tutorial End

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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) [1]

[1] <http://labs.jboss.com/portal/jbossportal/docs>