

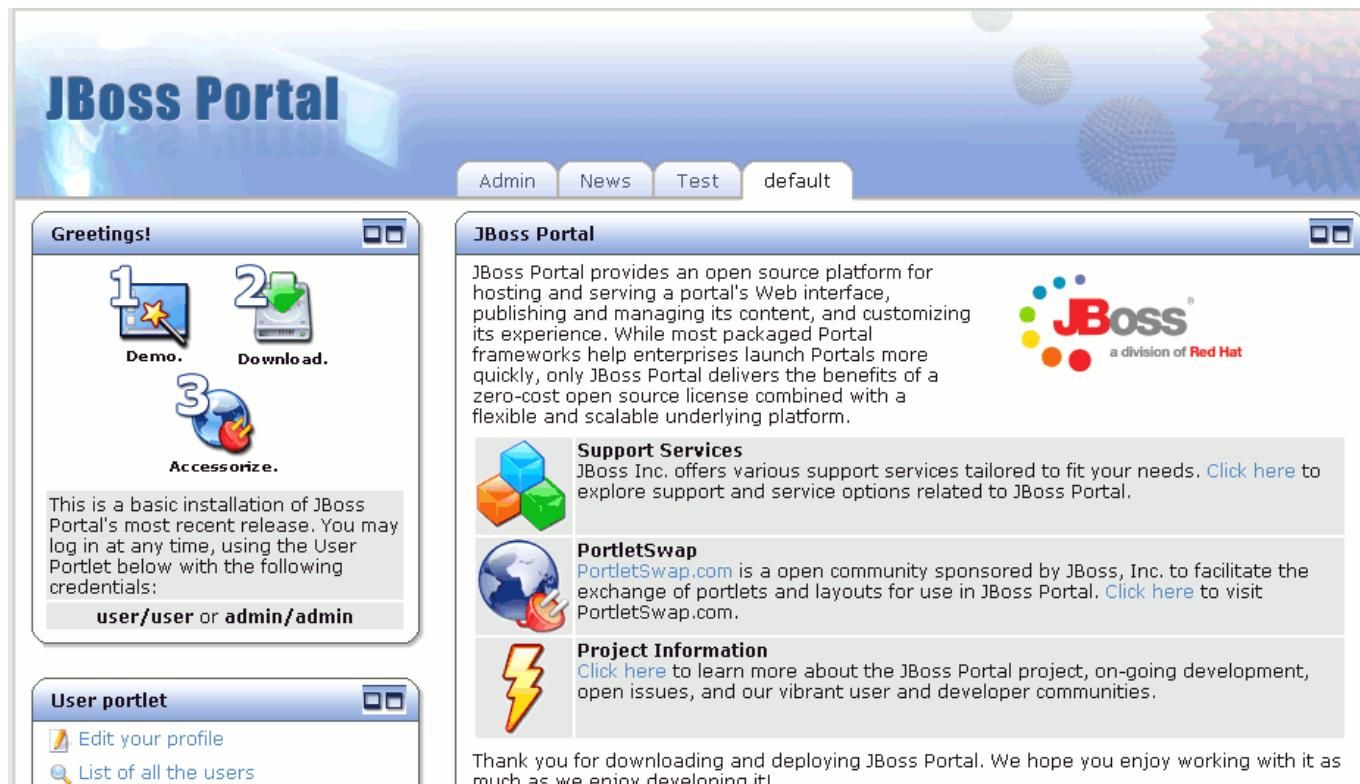
JBoss Portal 2.4

Quickstart User Guide

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JBoss Portal - Overview



The screenshot shows the JBoss Portal homepage with a blue header bar containing the JBoss logo and navigation tabs: Admin, News, Test, and default. Below the header are two main content areas. The left area, titled 'Greetings!', features three numbered icons: '1 Demo.' (with a computer monitor icon), '2 Download.' (with a smartphone icon), and '3 Accessorize.' (with a globe icon). Below these icons is a text block: 'This is a basic installation of JBoss Portal's most recent release. You may log in at any time, using the User Portlet below with the following credentials: user/user or admin/admin'. The right area, titled 'JBoss Portal', contains a text block about the platform's benefits, a 'JBoss' logo (with 'a division of Red Hat' text), and three sections: 'Support Services' (with a 3D cube icon), 'PortletSwap' (with a globe icon), and 'Project Information' (with a lightning bolt icon). At the bottom of the right area is a thank you message: 'Thank you for downloading and deploying JBoss Portal. We hope you enjoy working with it as much as we enjoy developing it!'

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 [<http://www.jboss.com/company/aboutopensource>] open source license and is supported by JBoss Inc. Professional Support and Consulting [<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, Inc. developers, Novell 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. Fine-grained security administration down to portlet permissions rounds out the security model. JBoss Portal includes a rich content management system and message board support.

JBoss Portal Resources:

1. JBoss Portal Home Page [<http://www.jboss.org/products/jbossportal>]

2. Documentation [<http://labs.jboss.com/portal/jbossportal/download/index.html>]
3. Forums: User [<http://www.jboss.org/index.html?module=bb&op=viewforum&f=215>] | Developer [<http://www.jboss.org/index.html?module=bb&op=viewforum&f=205>] | WSRP [<http://jboss.org/index.html?module=bb&op=viewforum&f=232>] | Eclipse Portlet Plugin [<http://jboss.org/index.html?module=bb&op=viewforum&f=239>]
4. Wiki [<http://www.jboss.com/wiki/Wiki.jsp?page=JBossPortal>]
5. PortletSwap.com portlet exchange [<http://www.portletswap.com>]
6. Our Roadmap
[<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 <kevin.barfield@jboss.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 2.4. 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 windows platform. This guide should work equally well for Unix/Linux installations because JBoss Portal is 100% Pure Java. Obviously, you may need use the `run_init_XXXX.sh` instead of `run.bat` and use forward slashes instead of backslashes, etc.

Installation

Kevin Barfield <kevin.barfield@jboss.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 1.4 or JDK 1.5. 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/j2se/1.4.2/download.html> 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://www.jboss.com/products/JBoss%20Portal/downloads>]. Please select the JBoss Portal bundled with JBoss Application Server and select to download it to your machine. From here, you will need to unzip it to your machine (Note: If you do not have Zip, please go to this link to get it: [http://sourceforge.net/projects/sevenzip/](http://sourceforge.net/projects/sevenzip)). Once you have unzipped it, you should have a directory structure with the following folders under, *jboss-portal-2.4-bundled*:

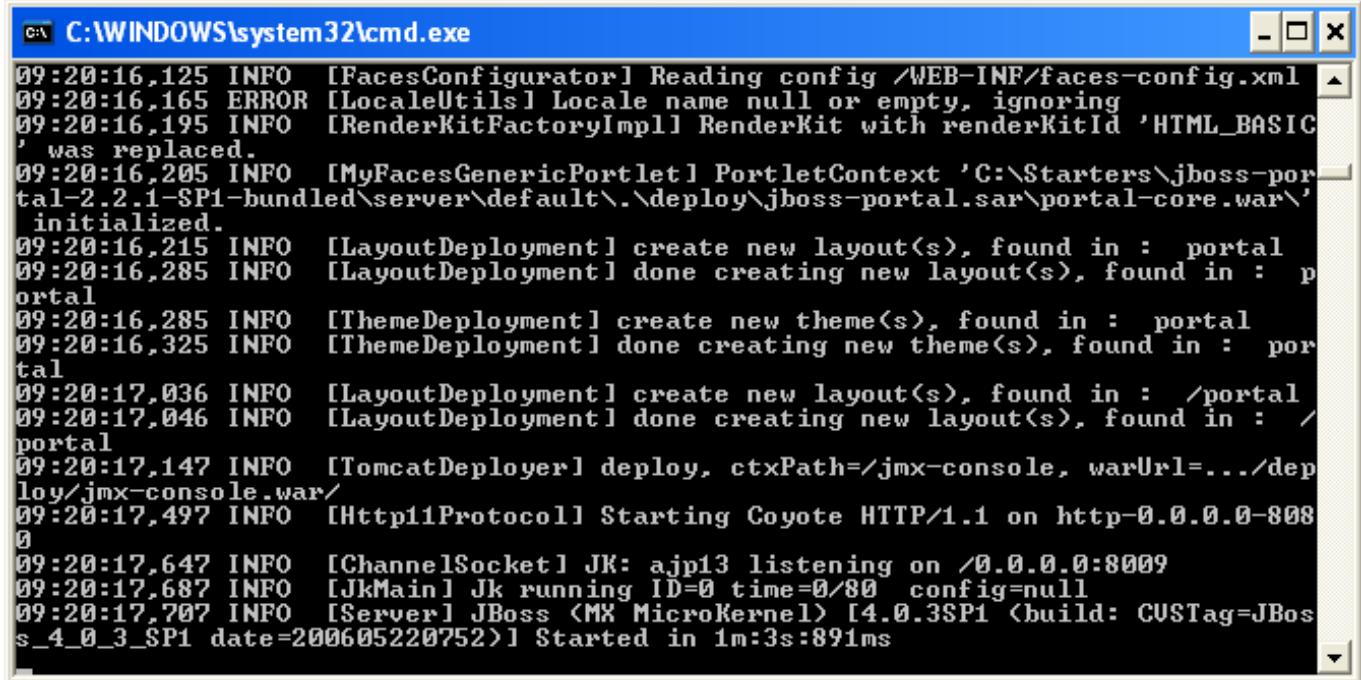
- **bin** - Contains the startup/shutdown commands for the JBoss Portal
- **client** - Contains client libraries
- **docs** - Contains documentation for the JBoss Portal
- **lib** - Contains libraries
- **server** - Contains JBoss Application Server configuration and the *Portal.sar* file

Note

Binary distributions of JBoss Portal include the WSRP service which is not automatically deployed with the source distribution. WSRP is built upon the JBoss WS web service stack. As such, it has some additional constraints. In particular, there is a known issue with the version 1.0.0.GA of JBoss WS (bundled with JBoss Application Server 4.0.4.GA) that prevents the complete deployment of JBoss Portal's WSRP service if the user is not online or behind a firewall/proxy. This, in turn, prevents the deployment of JBoss Portal. If you do not need the WSRP service, you can remove the *portal-wsdp.sar* file from the *jboss-portal.sar* file. If you'd like to use the WSRP service, the JBoss WS issue has been addressed in version 1.0.2.GA of JBoss WS. Please follow the instructions on how to upgrade JBoss WS [http://wiki.jboss.org/wiki/Wiki.jsp?page=WSRP_UpdateJBossWS] as found on JBoss Portal's wiki [<http://wiki.jboss.org/wiki/Wiki.jsp?page=JBossPortal>].

2.2. Starting JBoss Portal

Go to the bin directory and double click on the run.bat. A command window should come up with the Portal console (Figure 1).



```
09:20:16,125 INFO  [FacesConfigurator] Reading config /WEB-INF/faces-config.xml
09:20:16,165 ERROR [LocaleUtils] Locale name null or empty, ignoring
09:20:16,195 INFO  [RenderKitFactoryImpl] RenderKit with renderKitId 'HTML_BASIC' was replaced.
09:20:16,205 INFO  [MyFacesGenericPortlet] PortletContext 'C:\Starters\jboss-portal-2.2.1-SP1-bundled\server\default\.deploy\jboss-portal.sar\portal-core.war' initialized.
09:20:16,215 INFO  [LayoutDeployment] create new layout(s), found in : portal
09:20:16,285 INFO  [LayoutDeployment] done creating new layout(s), found in : portal
09:20:16,285 INFO  [ThemeDeployment] create new theme(s), found in : portal
09:20:16,325 INFO  [ThemeDeployment] done creating new theme(s), found in : portal
09:20:17,036 INFO  [LayoutDeployment] create new layout(s), found in : /portal
09:20:17,046 INFO  [LayoutDeployment] done creating new layout(s), found in : /portal
09:20:17,147 INFO  [TomcatDeployer] deploy, ctxPath=/jmx-console, warUrl=.../deploy/jmx-console.war/
09:20:17,497 INFO  [Http11Protocol] Starting Coyote HTTP/1.1 on http-0.0.0.0-8080
09:20:17,647 INFO  [ChannelSocket] JK: ajp13 listening on /0.0.0.0:8009
09:20:17,687 INFO  [JkMain] Jk running ID=0 time=0/80 config=null
09:20:17,707 INFO  [Server] JBoss (MX MicroKernel) [4.0.3SP1 <build: CUSTag=JBoss_4_0_3_SP1 date=200605220752] Started in 1m:3s:891ms
```

Figure 1: Portal console

Note

If the database tables do not exist, you may see some errors the first time the portal runs and it creates the tables. This is not an error.

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

Greetings!

1 Demo. 2 Download. 3 Accessorize.

This is a basic installation of JBoss Portal's most recent release. You may log in at any time, using the User Portlet below with the following credentials:
user/user or admin/admin

User portlet

Standard Login
Don't have an account yet? You can create one

Pages

- default
- News
- Test
- Admin

JBoss Portal

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Baci e Abracci,
The JBoss Portal Team.

Powered by JBoss Portal
Theme by Novell

Figure 2. Default page for the JBoss Portal.

3

Portal Terminology

Kevin Barfield <kevin.barfield@jboss.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.

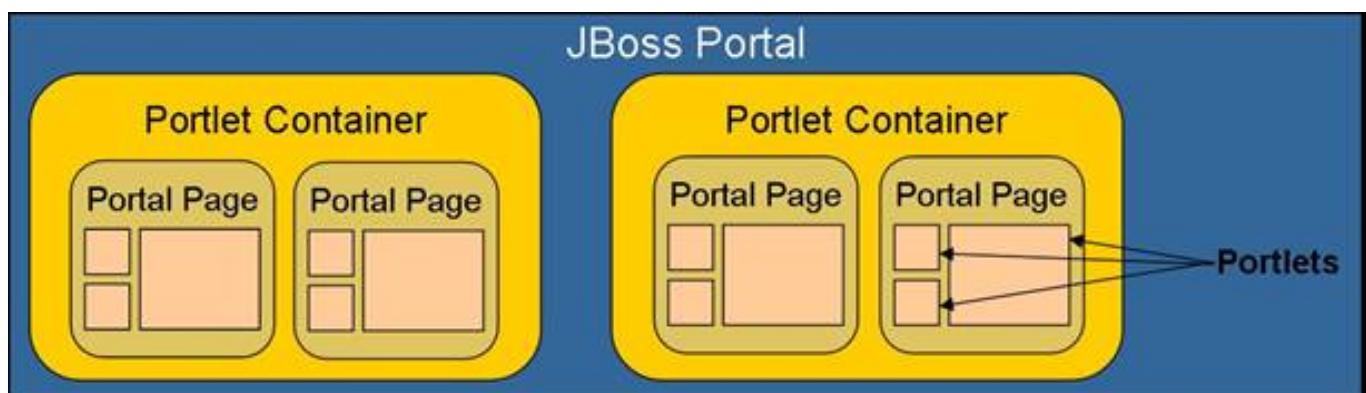


Figure 3. Portal Definition Diagram.

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

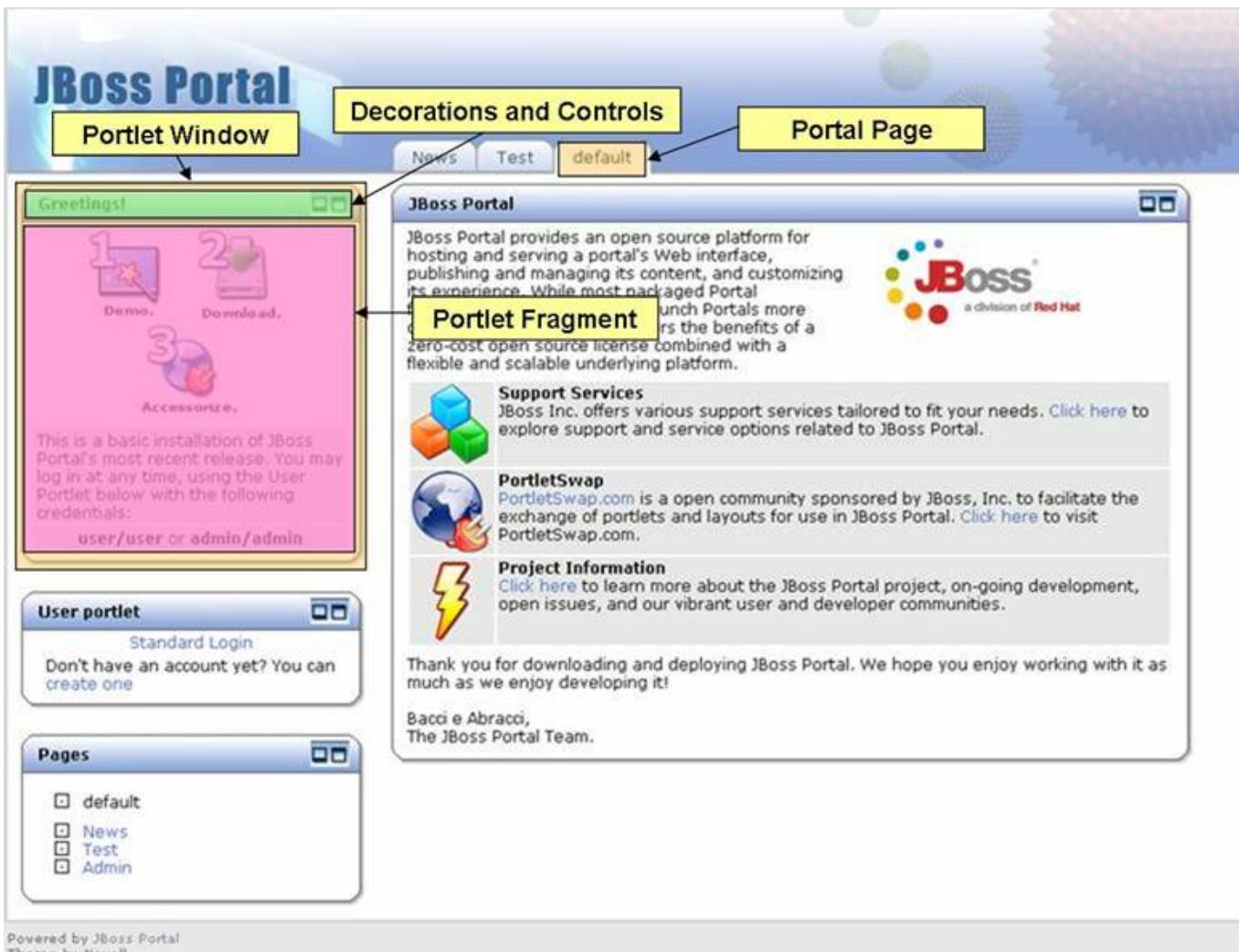


Figure 4. The default portal page with components highlighted.

Now we see that the default portal we are looking at has three portal pages, and the default portal page has five portlets on it (navigation, greetings, user, portal pages, and content view). In addition, we see that each portlet window is made up of decorations/controls and a portlet fragment (navigation does not need 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 portlet information.

Interaction with the Portal

Kevin Barfield <kevin.barfield@jboss.com>

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 "Select a Portal Theme" portlet. The portlet is then minimized (Figure 5):

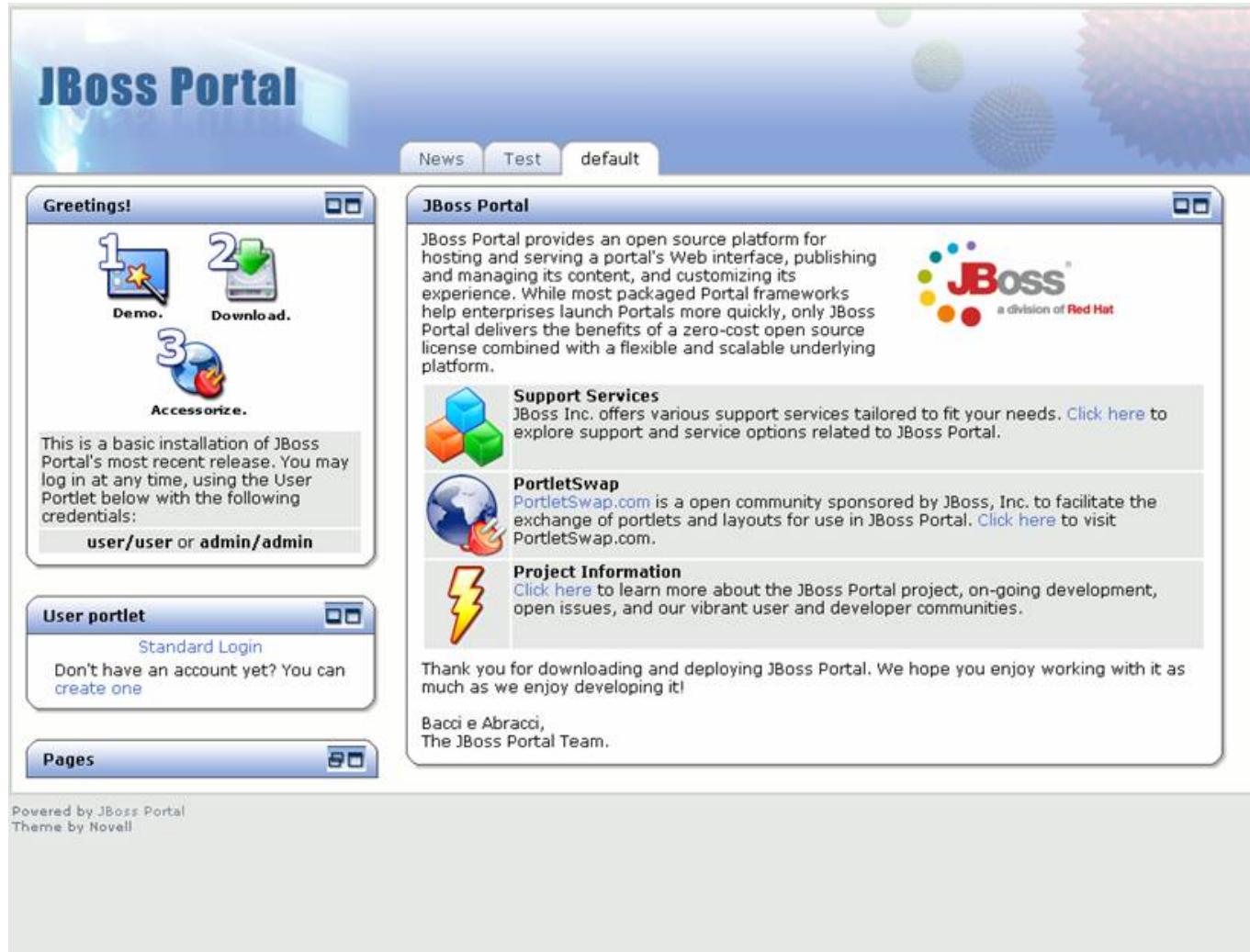


Figure 5. Default page with portlet minimized.

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.

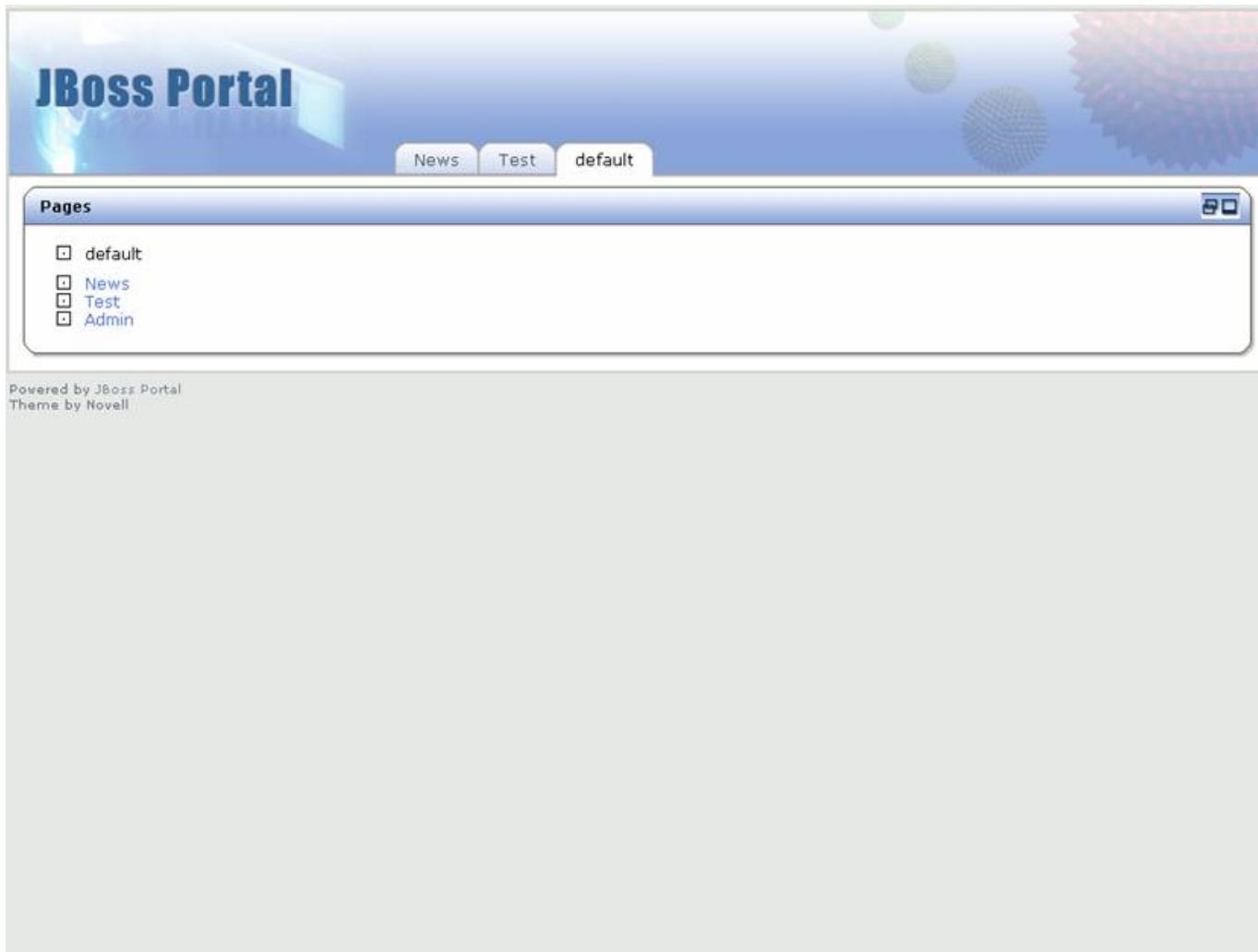
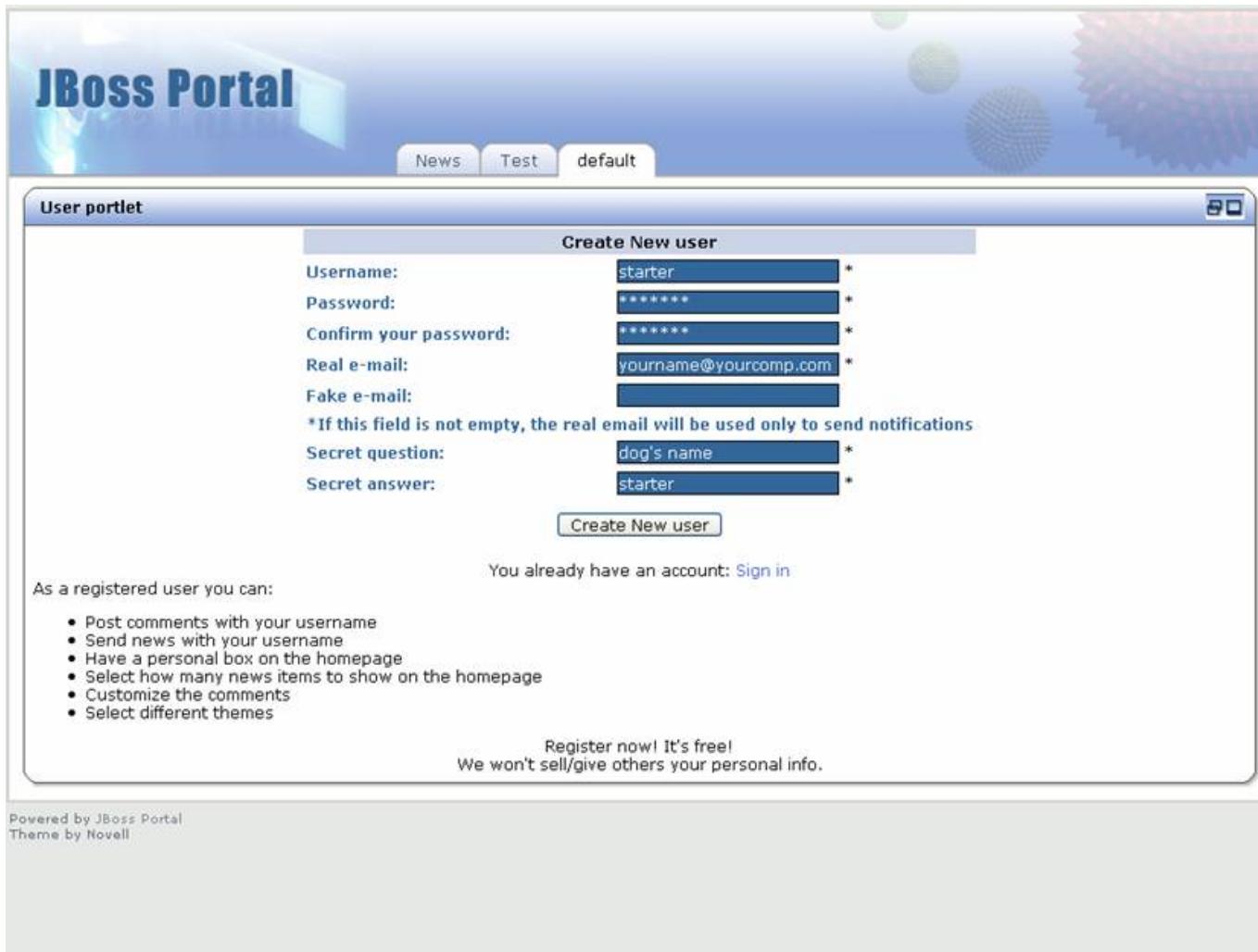


Figure 6. Portal with portlet maximized.

4.2. User Creation

Let's create a user for the portal. Click on the "create one" link in the user portlet. The create user view now shows in the user portlet. Enter the information as shown in Figure 10 (password is starter). Once you have clicked "create new user", the default view will show (Figure 11).



The screenshot shows the JBoss Portal user portlet. At the top, there are three tabs: 'News', 'Test', and 'default'. The 'default' tab is selected. The main content area is titled 'Create New user'. It contains the following fields:

Username:	starter
Password:	*****
Confirm your password:	*****
Real e-mail:	yourname@yourcomp.com
Fake e-mail:	
*If this field is not empty, the real email will be used only to send notifications	
Secret question:	dog's name
Secret answer:	starter

Below the form is a note: ***If this field is not empty, the real email will be used only to send notifications**. There is a 'Create New user' button at the bottom of the form. To the right, a message says 'You already have an account: [Sign in](#)'. To the left, a list of user permissions is shown. At the bottom right, there is a promotional message: 'Register now! It's free! We won't sell/give others your personal info.' The footer of the portlet displays the text 'Powered by JBoss Portal' and 'Theme by Novell'.

Figure 10. The Create user view in the user portlet.

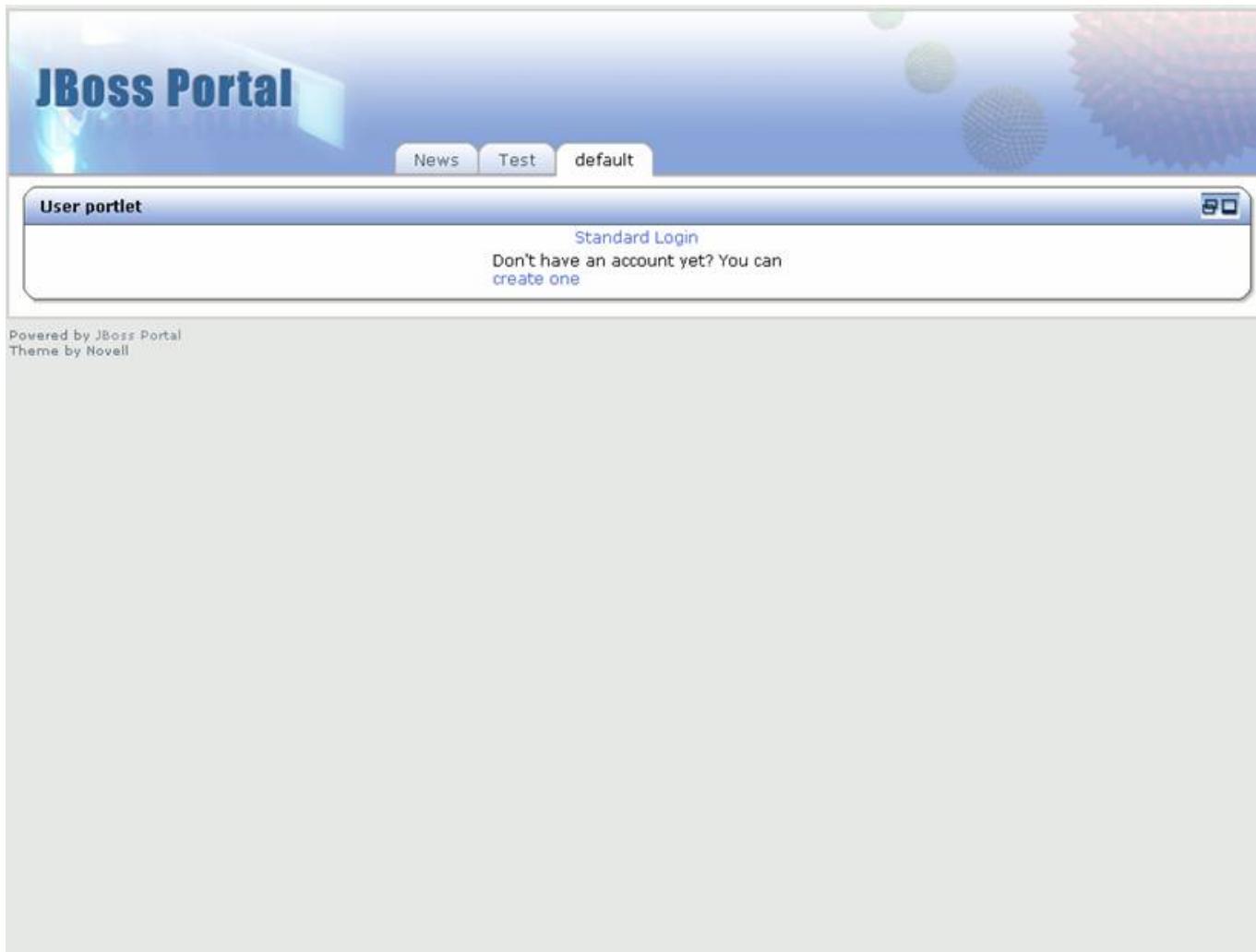


Figure 11. The default view in the user portlet maximized.

4.3. Administrator Login

Click on the resize button to make the user portlet shrink back to normal size. Now, click "Standard login". The login page will show (Figure 12). Log in with username and password of "admin"

JBoss Portal Login

Username:	admin
Password:	admin
<input type="button" value="Login"/>	

Powered by [JBoss Portal](#)

Figure 12. Portal login page.

Click "Login", and the portal will now show us the portlets and portal pages for the administrator (Figure 13).

Greetings!

- 1** Demo.
- 2** Download.
- 3** Accessorize.

This is a basic installation of JBoss Portal's most recent release. You may log in at any time, using the User Portlet below with the following credentials:
user/user or admin/admin

User portlet

- Edit your profile
- List of all the users
- Logout

Pages

- default
- News
- Test
- Admin

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Baci e Abracci,
The JBoss Portal Team.

Figure 13. 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" tab. The Admin portal page displays(Figure 14).

The screenshot shows the JBoss Portal Admin page with the following components:

- Role management** portlet: Shows a message "There are 2 roles defined" and links to "Create new role", "Edit existing role", and "Edit role members".
- Management Portlet** portlet: Shows "Manage" links for "Portal", "Instances", "Portlets", and a tree structure under "root (1)" with nodes for "Manager", "Properties", "Security", and "Theme".
- User portlet** portlet: Shows links to "Edit your profile", "List of all the users", and "Logout".
- CMS Admin** portlet: Contains a "Directory Browser" section with an "Action Menu" for "Create", "Import/Export", and "Modify". Below is a table showing a single item:

Action	Name	Type	Created	Modified	Description
	default		Fri Jul 07 09:02:38 EDT 2006	Fri Jul 07 09:02:38 EDT 2006	default

At the bottom, it says "Powered by JBoss Portal" and "Theme by Novell".

Figure 14. 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. Click on the upload archive file icon on the page. The upload archive view shows (Figure 15).

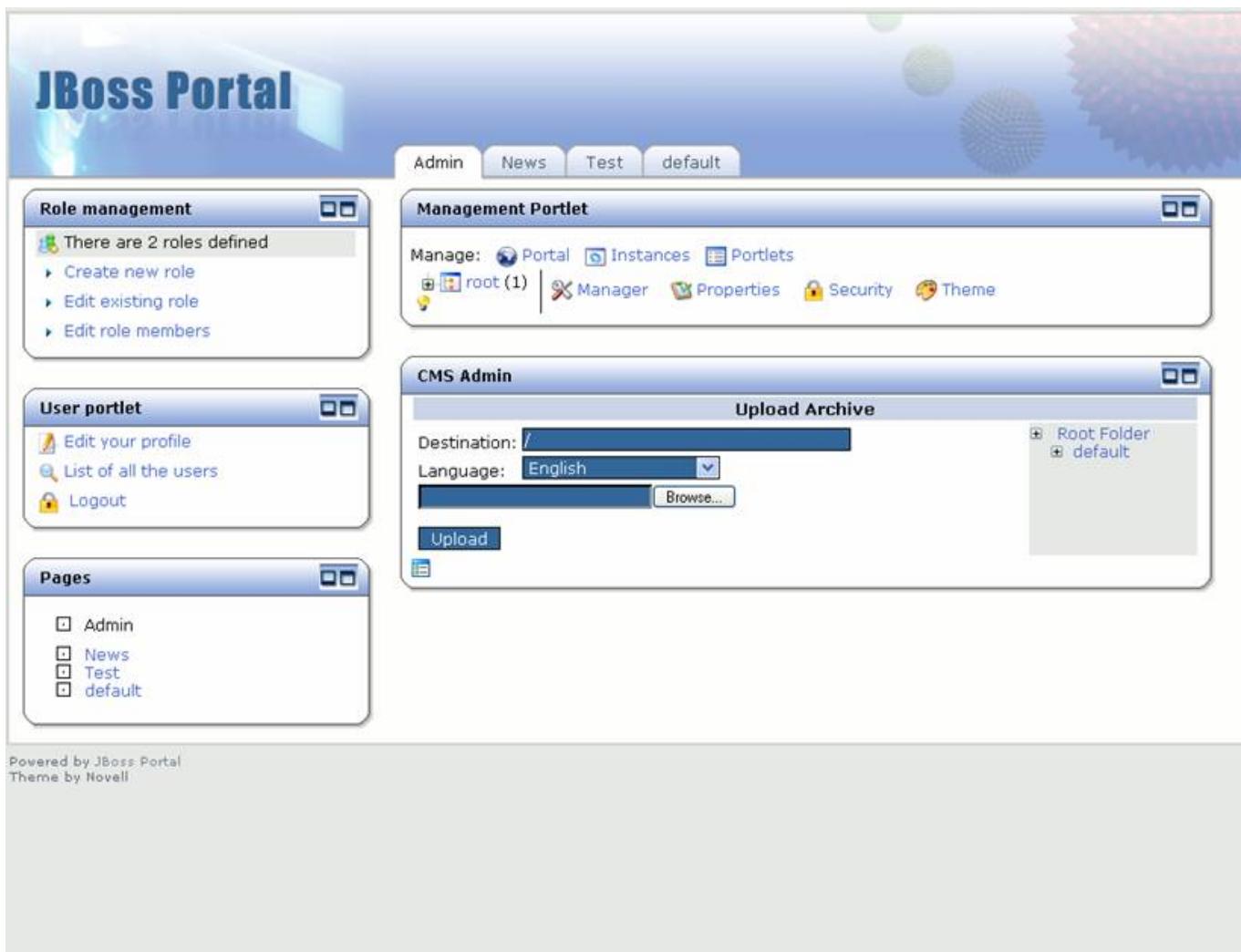


Figure 15. Upload Archive view.

Note

Please use the quickstart.zip for the batch upload. You may also download it from here [<http://docs.jboss.org/jbportal/v2.4/quickstartuser/en/quickstart.zip>].

We can choose the destination folder for the upload (the current folder structure is shown on the right), and the language of the files being uploaded. Click browse to find the file you want to upload (Figure 16).

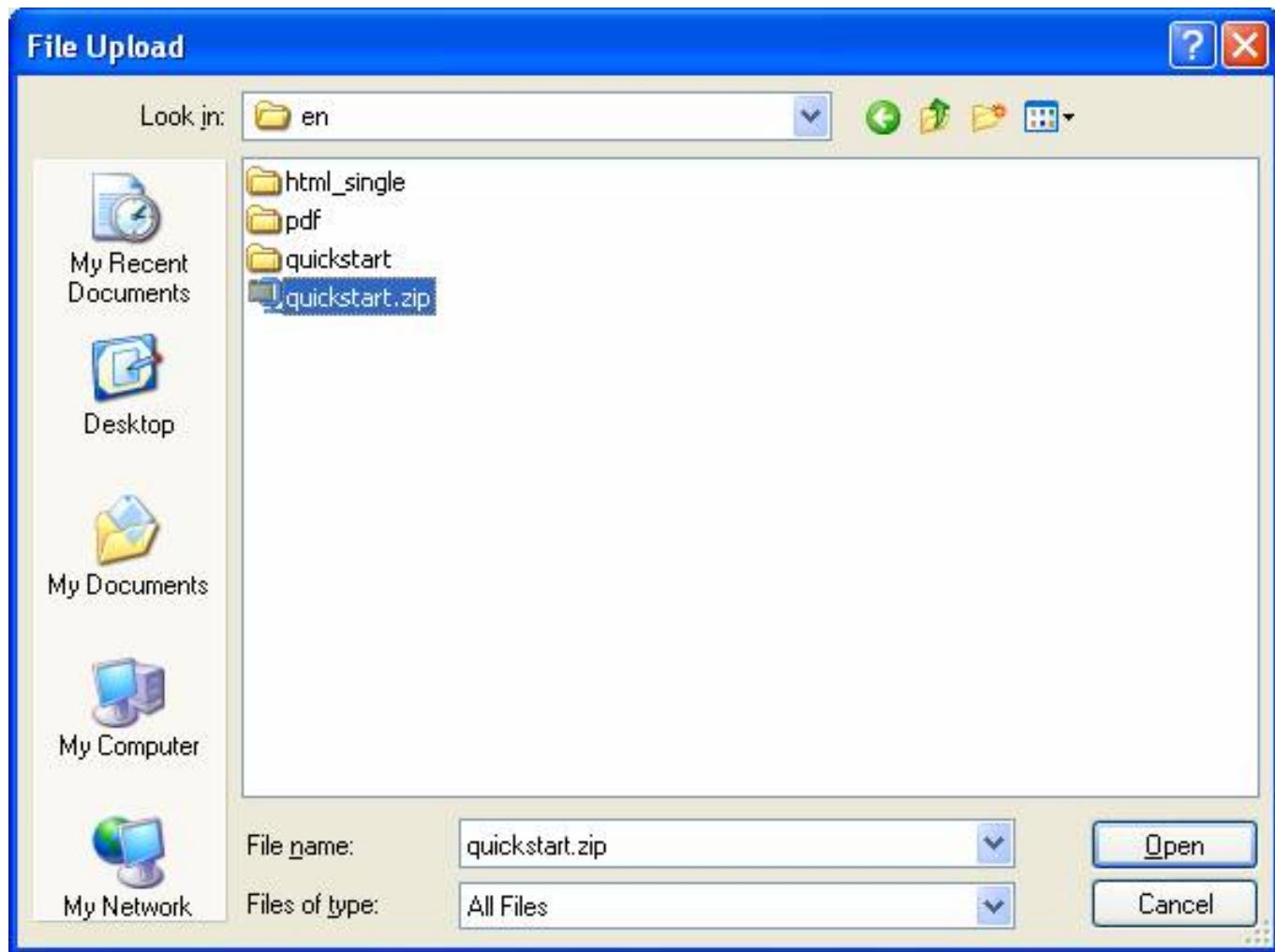


Figure 16. Choose file to batch upload.

Click on the quickstart.zip that you downloaded earlier(see note above) and select "Open". The quickstart.zip will be uploaded into the content repository, and the files and directories will now appear in the content management structure (see the new quickstart directory in Figure 17).



Figure 17. 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 18). Click on the "home" symbol to return to the top of the content manager repository (back to Figure 17).

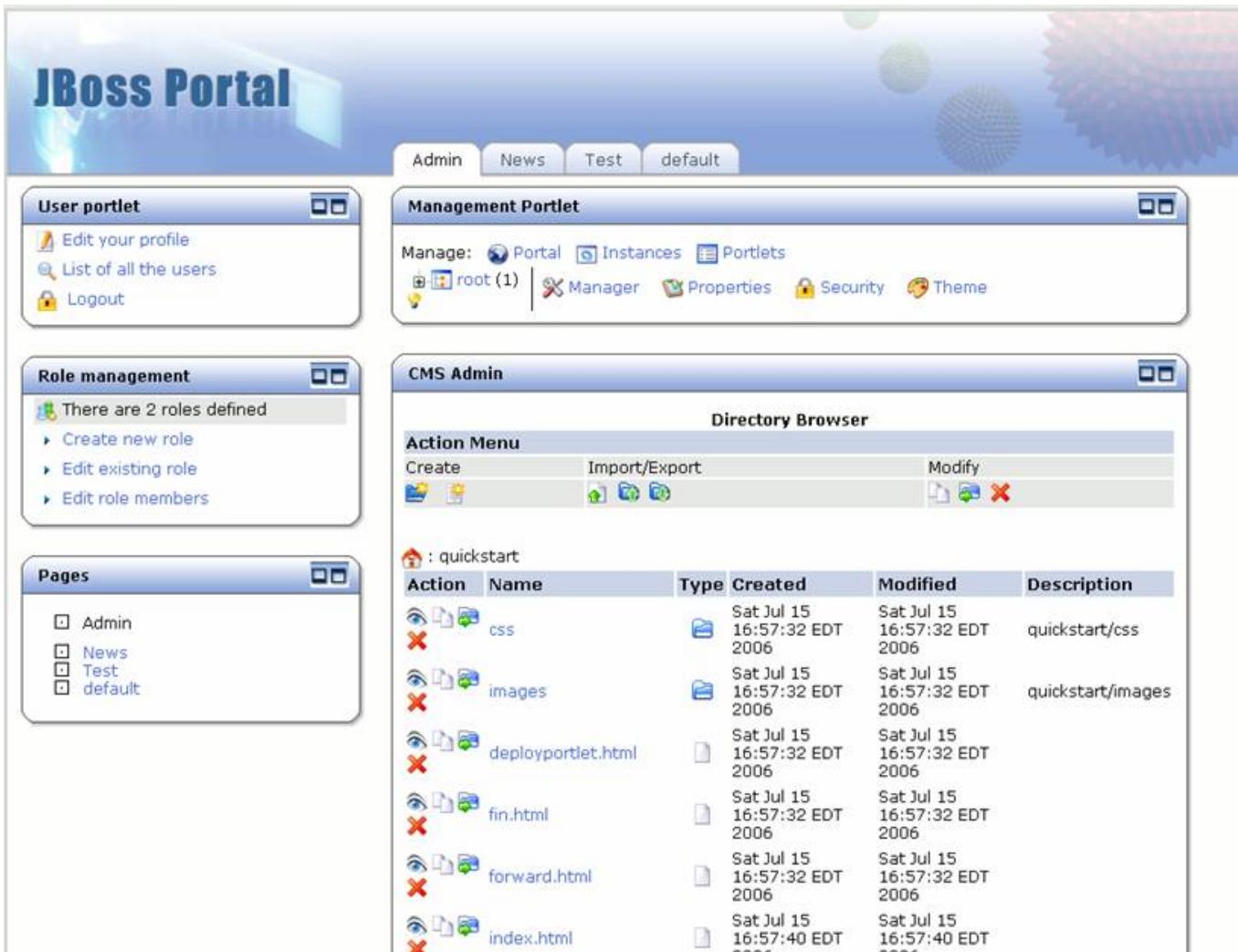


Figure 18. HTML files and sub-directories that were uploaded into quickstart directory shows in content management repository.

Let's edit the default page to contain a link to our new pages. Clicking on the default link, we can see that an images directory, as well as three HTML files (Figure 19).

The screenshot shows the JBoss Portal interface with the following components:

- User portlet:** Contains links to "Edit your profile", "List of all the users", and "Logout".
- Management Portlet:** Shows "Manage" links for Portal, Instances, Portlets, and a tree view of "root (1)" with sub-links for Manager, Properties, Security, and Theme.
- Role management:** Shows a message "There are 2 roles defined" and links to "Create new role", "Edit existing role", and "Edit role members".
- Pages:** Shows a list of pages: Admin, News, Test, and default.
- CMS Admin:** The main content area. It has an "Action Menu" with "Create", "Import/Export", and "Modify" buttons. Below is a "Directory Browser" table listing files in the "default" directory:

Action	Name	Type	Created	Modified	Description
	images		Sat Jul 15 15:39:54 EDT 2006	Sat Jul 15 15:39:54 EDT 2006	images
	index.html		Sat Jul 15 15:39:57 EDT 2006	Sat Jul 15 15:39:57 EDT 2006	
	project.html		Sat Jul 15 15:39:58 EDT 2006	Sat Jul 15 15:39:58 EDT 2006	
	support.html		Sat Jul 15 15:39:58 EDT 2006	Sat Jul 15 15:39:58 EDT 2006	

At the bottom left, it says "Powered by JBoss Portal" and "Theme by Novell".

Figure 19. Default directory listing.

Click on the index.html link. The file browser will show the versions of this file (Figure 20).



Figure 20. Version view for index.html.

To edit this HTML file, click on the edit icon. The WYSIWYG editor view will appear (Figures 21 and 22). Note: The WYSIWYG editor is dependent on browser. Some browsers show a box to enter HTML.

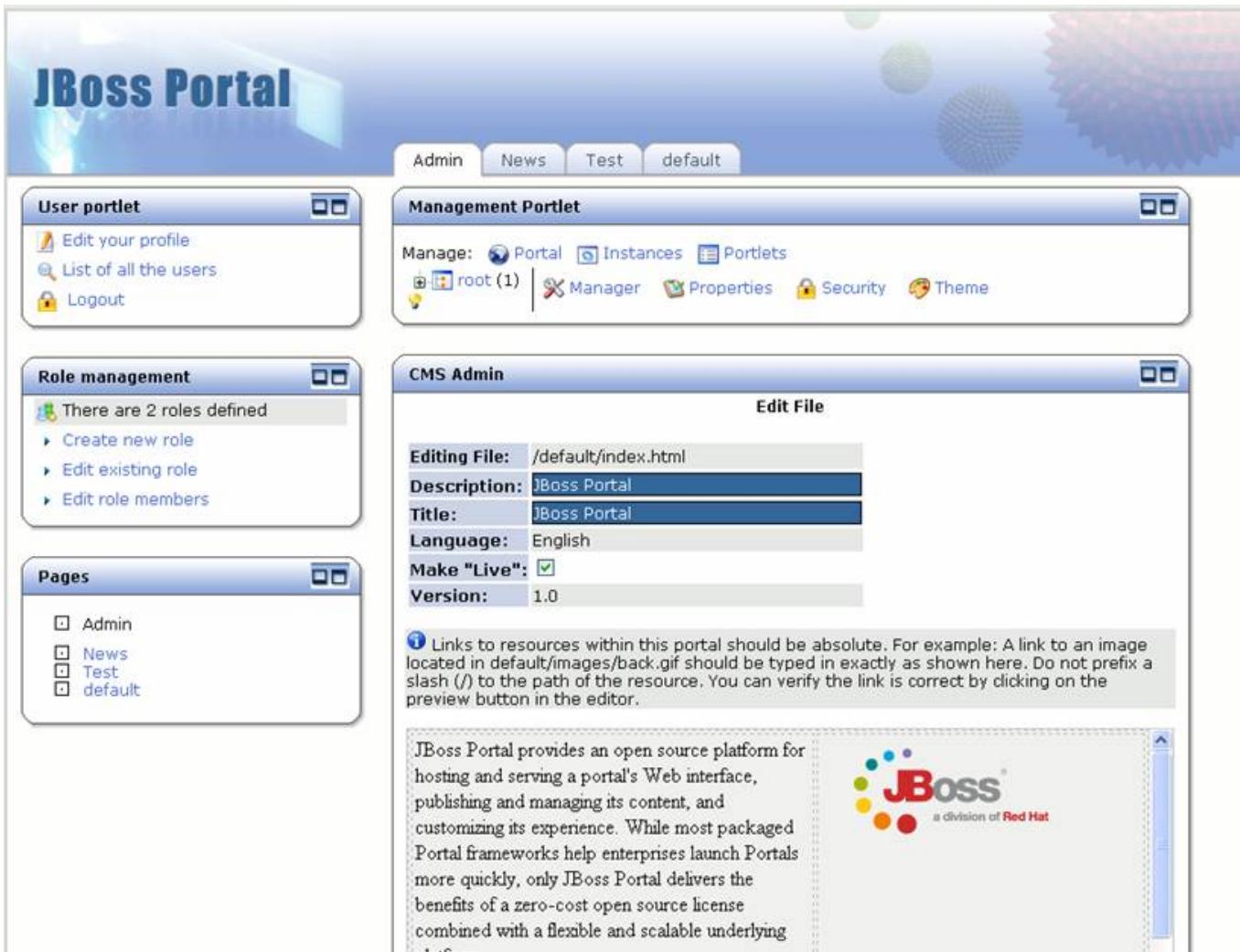


Figure 21. Content editor view (top).

There are 2 roles defined

- ▶ Create new role
- ▶ Edit existing role
- ▶ Edit role members

Pages

- Admin
- News
- Test
- default

Edit File

Editing File: /default/index.html

Description: JBoss Portal

Title: JBoss Portal

Language: English

Make "Live":

Version: 1.0

1 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.

combined with a flexible and scalable underlying platform.

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Thank you for downloading and deploying JBoss Portal. We hope you enjoy working with it.

Styles Paragraph Default 1 (8 pt)

Create Reset

Powered by JBoss Portal
Theme by Novell

Figure 22. Content editor view (bottom).

HTML pages can be edited through this view. Let's change this page to point to our uploaded pages. Change the title next to the lightning bolt 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 Figures 23 and 24.

There are 2 roles defined

- >Create new role
- Edit existing role
- Edit role members

Pages

- Admin
- News
- Test
- default

Edit File

Editing File: /default/index.html

Description: JBoss Portal

Title: JBoss Portal

Language: English

Make "Live":

Version: 1.0

Tip: 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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Thank you for downloading and deploying JBoss Portal. We hope you enjoy working with it.

Toolbar: B I U ABC | Styles - Paragraph Default | 18 pt | [Create](#) [Reset](#)

Figure 23. Updated heading text in HTML page.

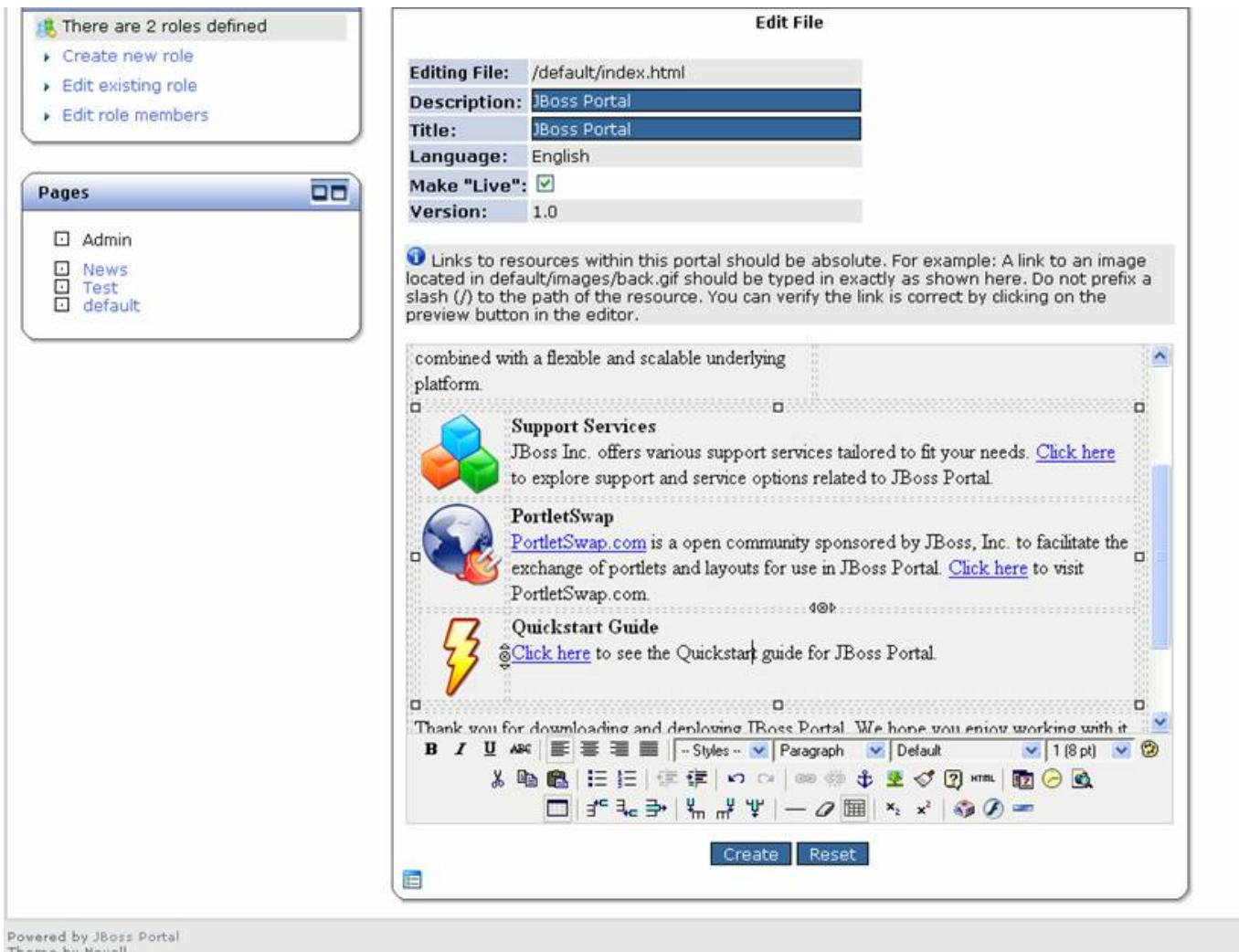


Figure 24. Updated heading text in HTML page.

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 25).

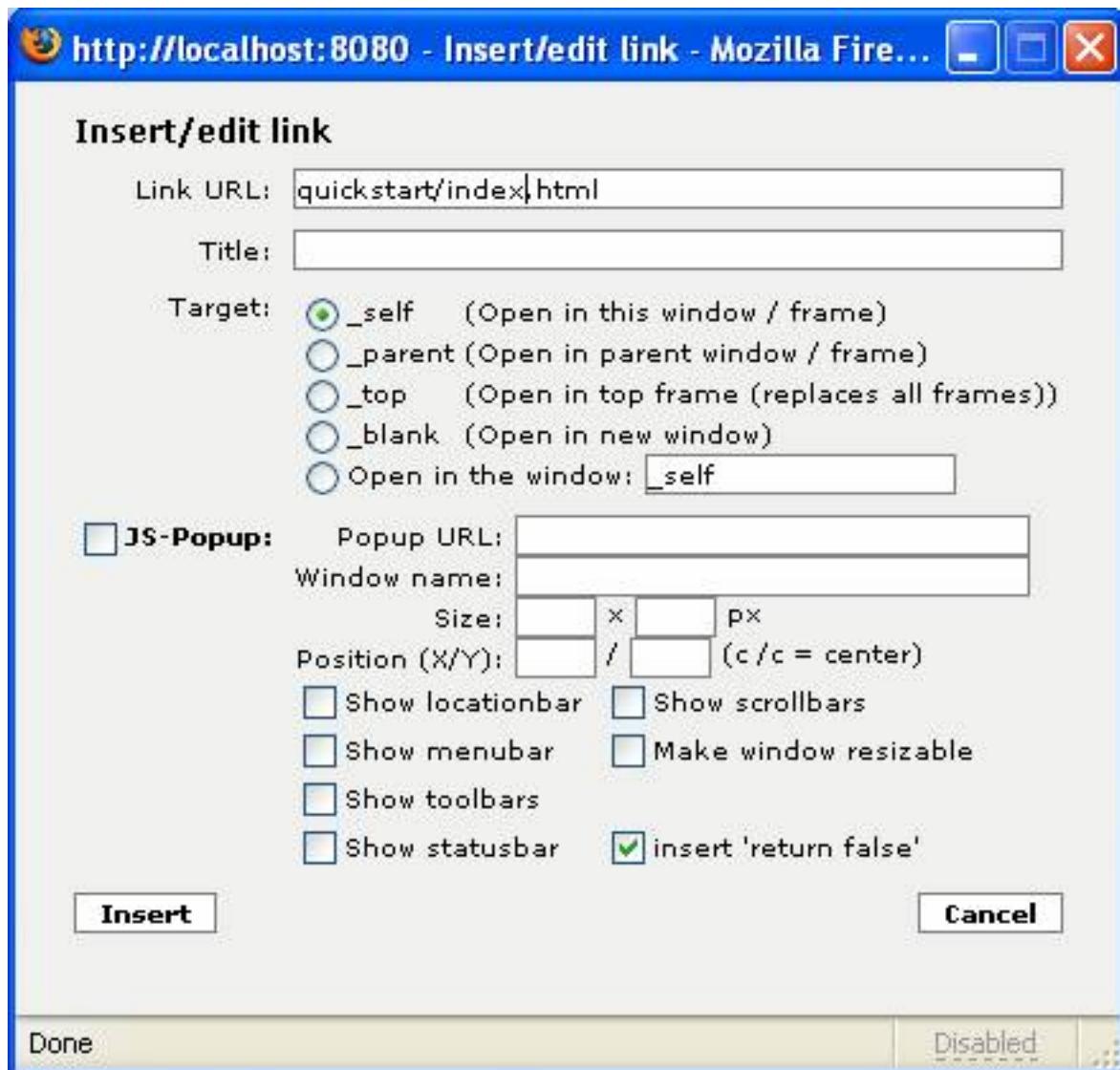


Figure 25. Insert/edit link window with updated link URL

Click Insert to save the updated link. Click Create to create the new version of the HTML file. The file browser view shows again with the new 1.1 version shown (Figure 26). The star icon next to the version number shows this is the live version.



Figure 26. File browser with new version of index.html.

Click on the default portal page to see the changes we have made. The content view portlet shows the update page for the portal documentation (Figure 27).

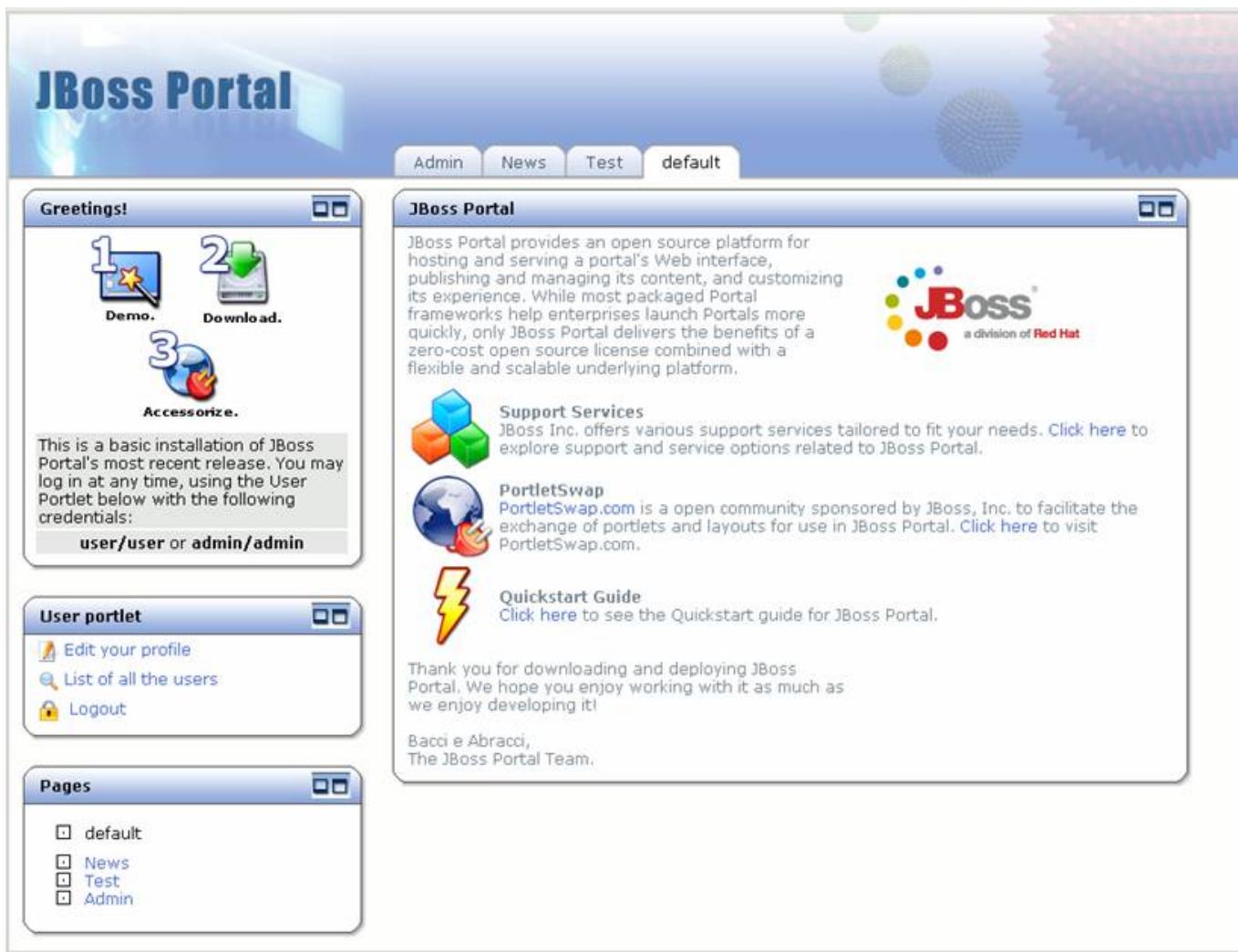


Figure 27. Content view portlet with the updated default page.

Click on the "Click here" link that was updated to go to the new uploaded content (Figure 28).

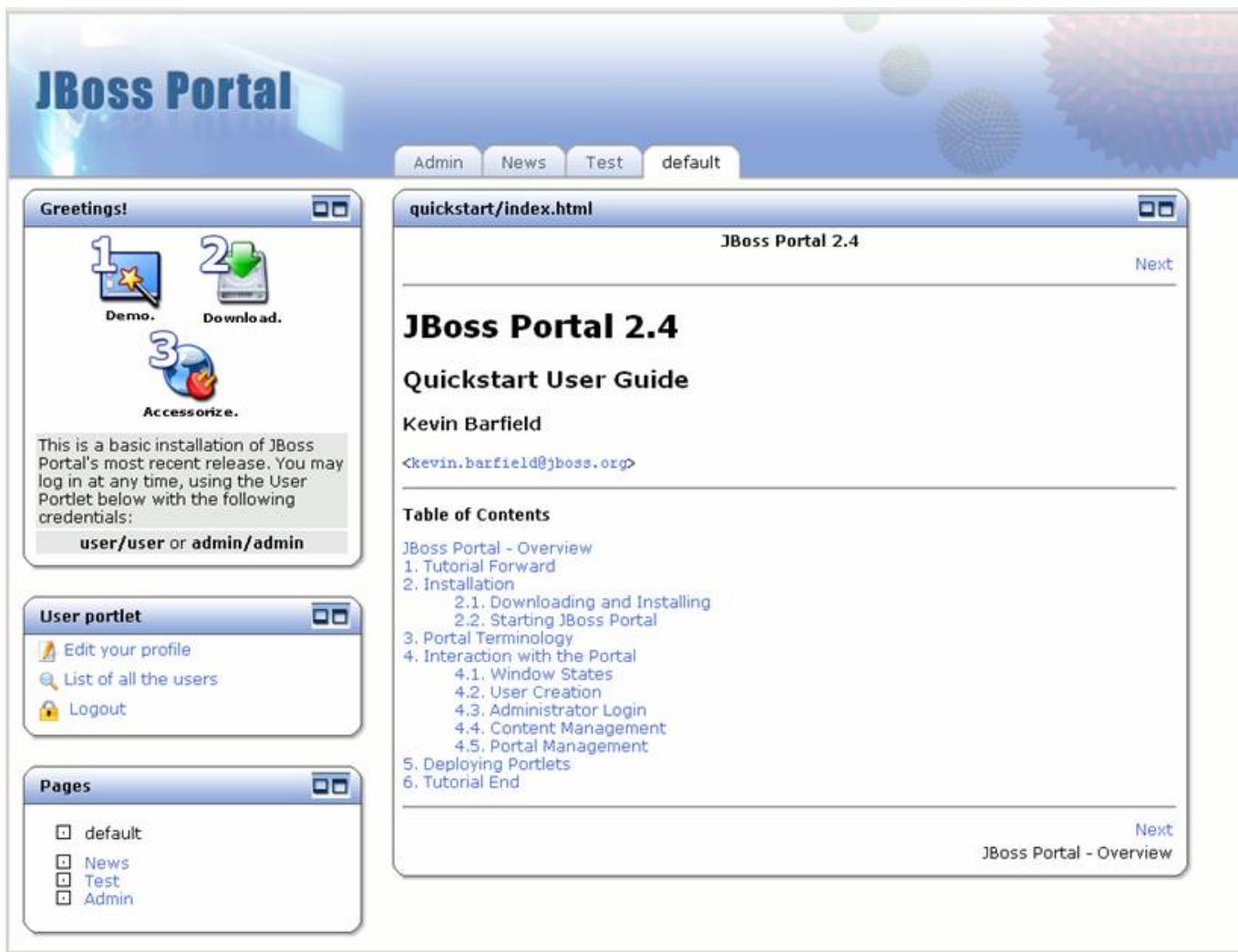


Figure 28. Content view portlet with docs page shown.

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

4.5. Portal Management

Click on the Admin portal page. The user, role, catalog, CMS Admin, and management portlets are on this portal page (Figure 29).

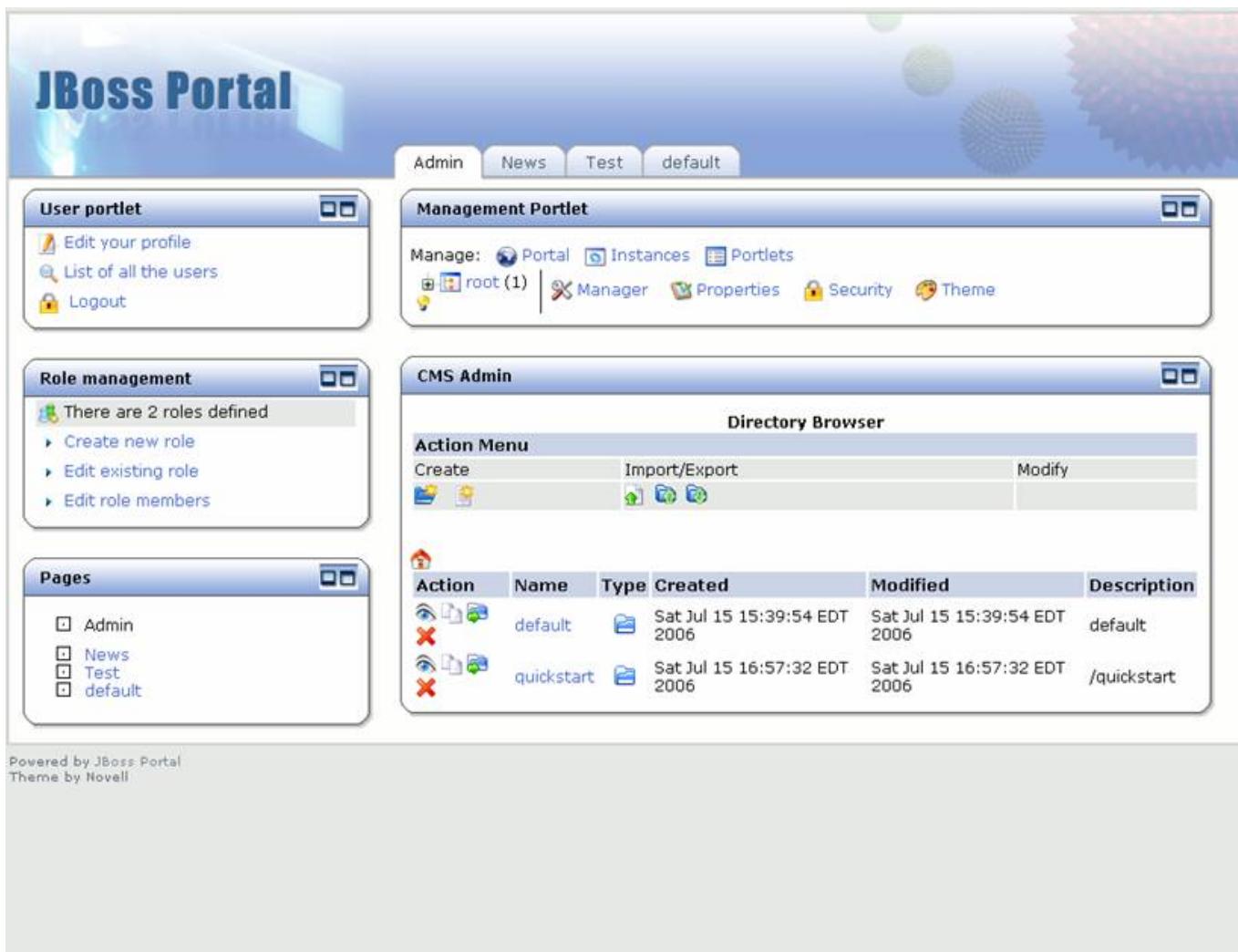
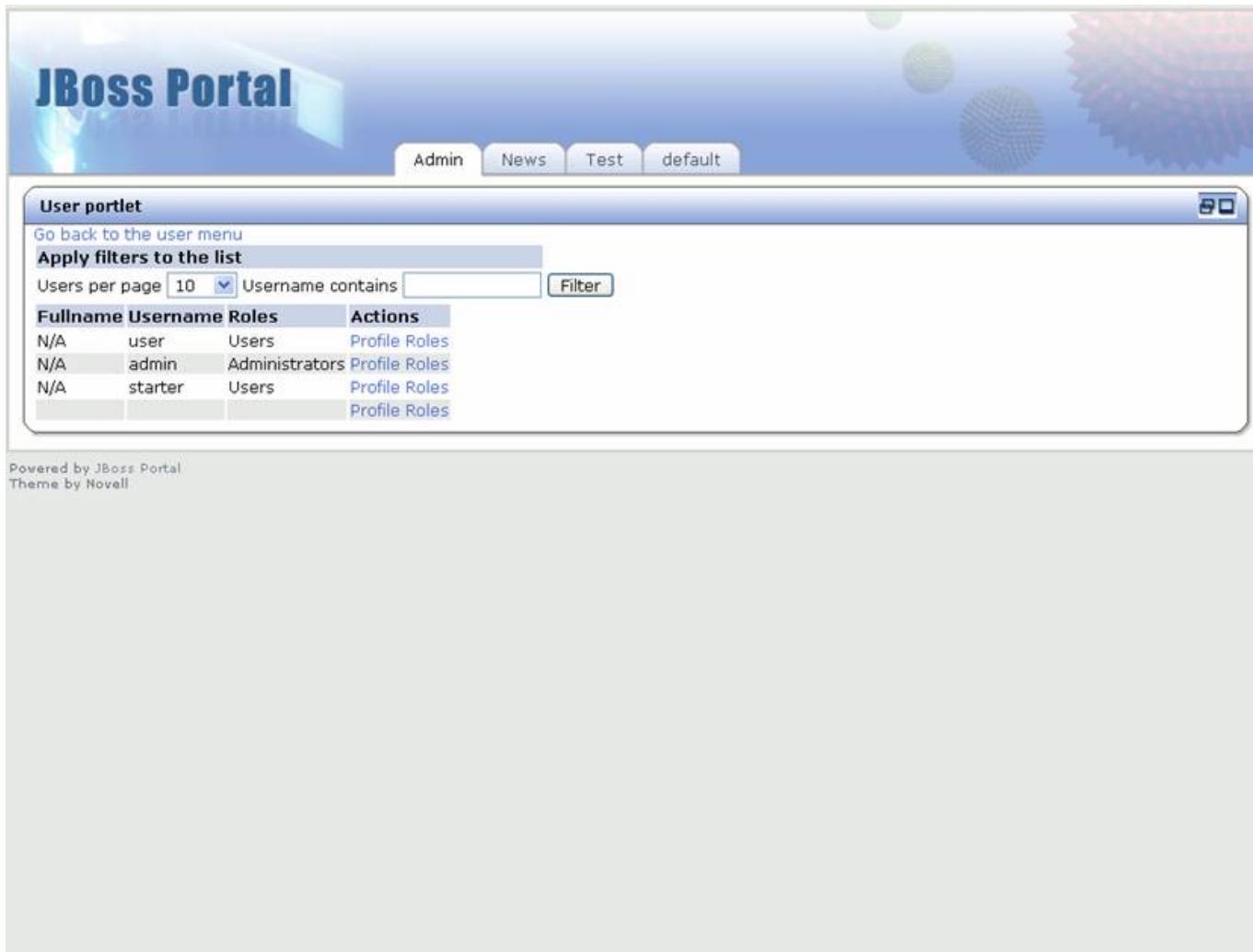


Figure 29. Admin portal page.

Click on the "List of all the users" link to see the users in the portal (Figure 30).



The screenshot shows the JBoss Portal User portlet. At the top, there is a navigation bar with tabs: Admin, News, Test, and default. The Admin tab is selected. Below the navigation bar, a header bar says "User portlet" and includes links to "Go back to the user menu" and "Apply filters to the list". It also has a dropdown for "Users per page" set to 10, a search field for "Username contains", and a "Filter" button. The main content area is a table with the following data:

Fullname	Username	Roles	Actions
N/A	user	Users	Profile Roles
N/A	admin	Administrators	Profile Roles
N/A	starter	Users	Profile Roles

At the bottom of the portlet, there is a footer with the text "Powered by JBoss Portal" and "Theme by Novell".

Figure 30. 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 31).

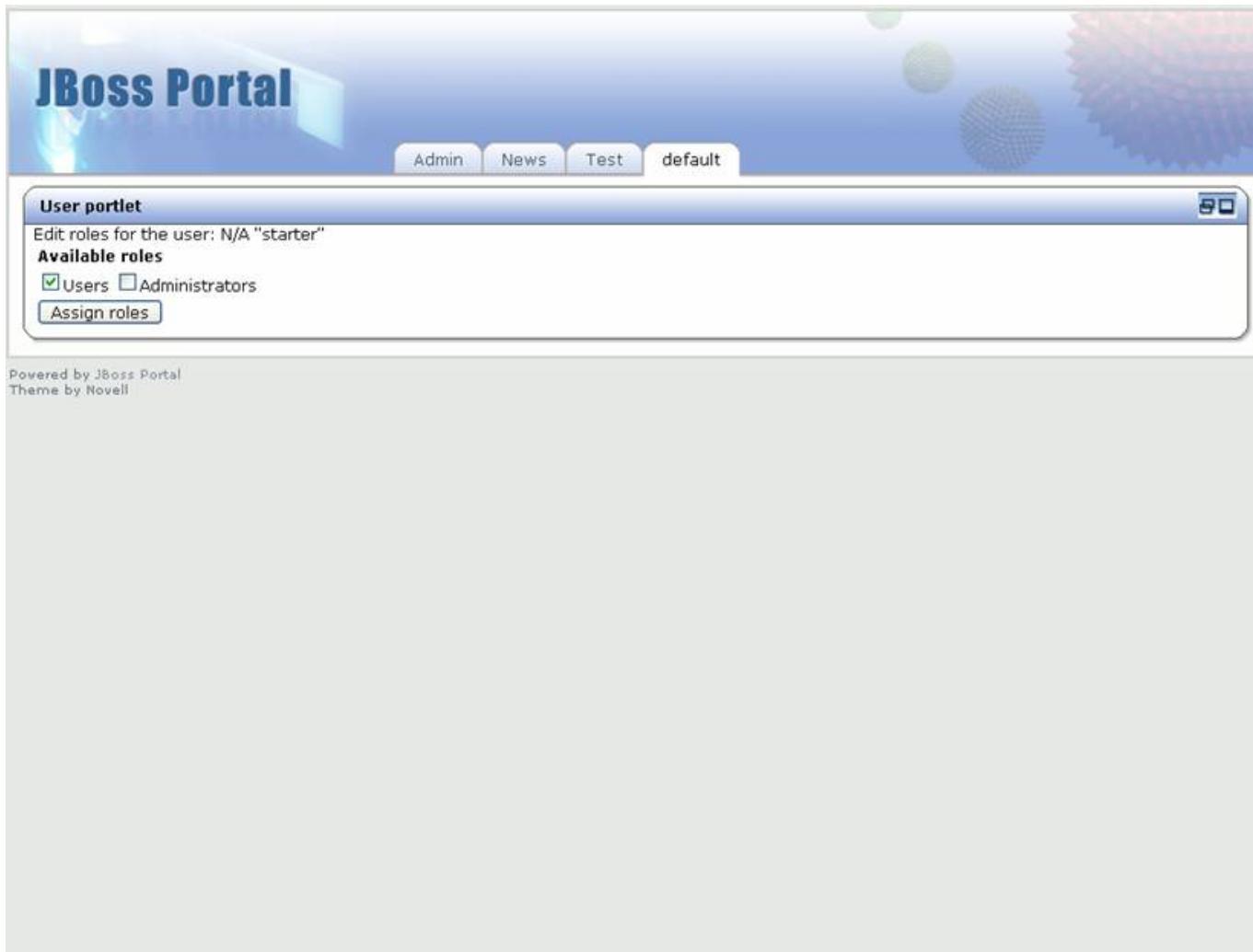


Figure 31. User portlet with available roles view.

Select the Administrators role and click the "Assign roles" button. This brings us back to the User portlet menu view (Figure 32).

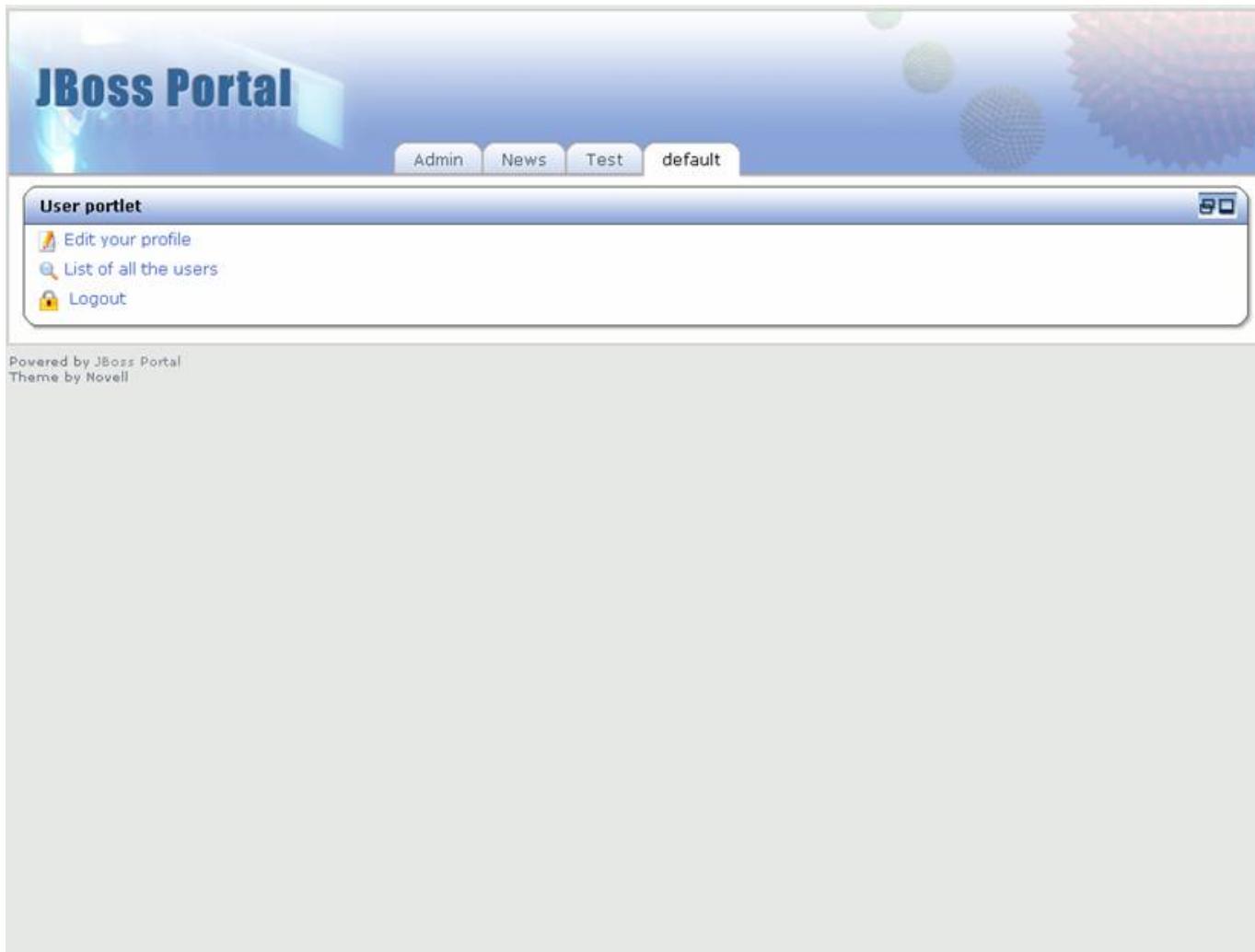
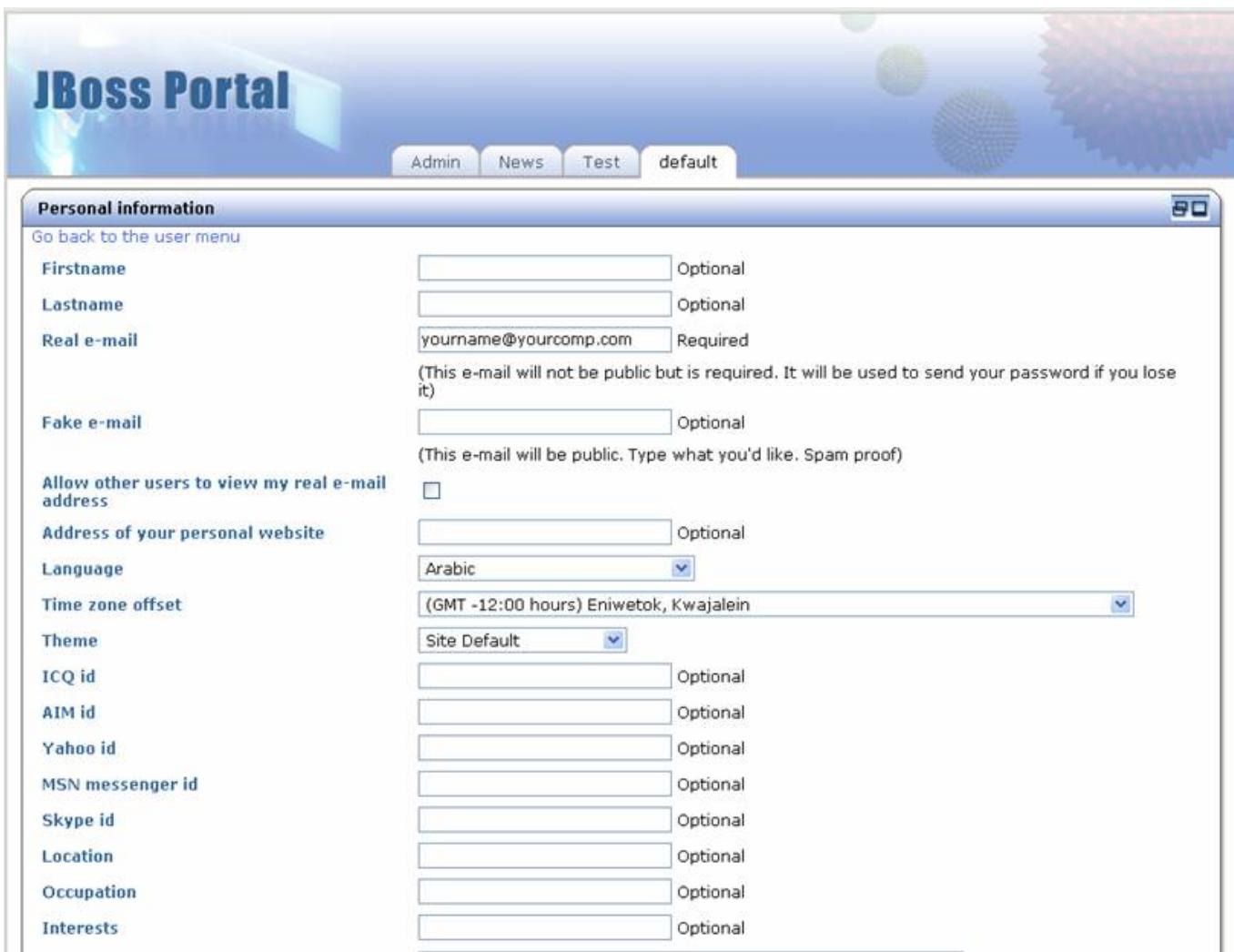


Figure 32. User portlet menu view.

Now let's look at the user profile for the starter user. Click on the "List of all users" link, then the "Profile" link next to the starter user. The user profile view appears (Figure 33).



The screenshot shows the JBoss Portal interface with the title 'JBoss Portal' at the top. Below the title is a navigation bar with tabs: Admin, News, Test, and default (which is the active tab). The main content area is titled 'Personal information' and contains a form for user profile editing. The form includes fields for Firstname, Lastname, Real e-mail (with a note that it's required and used for password recovery), Fake e-mail (with a note that it's public and used for spam protection), and a checkbox for allowing others to view the real e-mail address. There are also fields for Address of your personal website, Language (set to Arabic), Time zone offset (set to (GMT -12:00 hours) Eniwetok, Kwajalein), Theme (set to Site Default), and various social media IDs (ICQ id, AIM id, Yahoo id, MSN messenger id, Skype id) and location/occupation/interests, all marked as optional.

Field	Description	Value	Requirement
Firstname	Text input field		Optional
Lastname	Text input field		Optional
Real e-mail	Text input field	yourname@yourcomp.com	Required
(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	Text input field		Optional
(This e-mail will be public. Type what you'd like. Spam proof)			
Allow other users to view my real e-mail address	checkbox	<input type="checkbox"/>	
Address of your personal website	Text input field		Optional
Language	dropdown menu	Arabic	
Time zone offset	dropdown menu	(GMT -12:00 hours) Eniwetok, Kwajalein	
Theme	dropdown menu	Site Default	
ICQ id	Text input field		Optional
AIM id	Text input field		Optional
Yahoo id	Text input field		Optional
MSN messenger id	Text input field		Optional
Skype id	Text input field		Optional
Location	Text input field		Optional
Occupation	Text input field		Optional
Interests	Text input field		Optional

Figure 33. 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 User portlet menu view is displayed again. Click on the default size icon to go back to the Admin portal page default view (Figure 34).

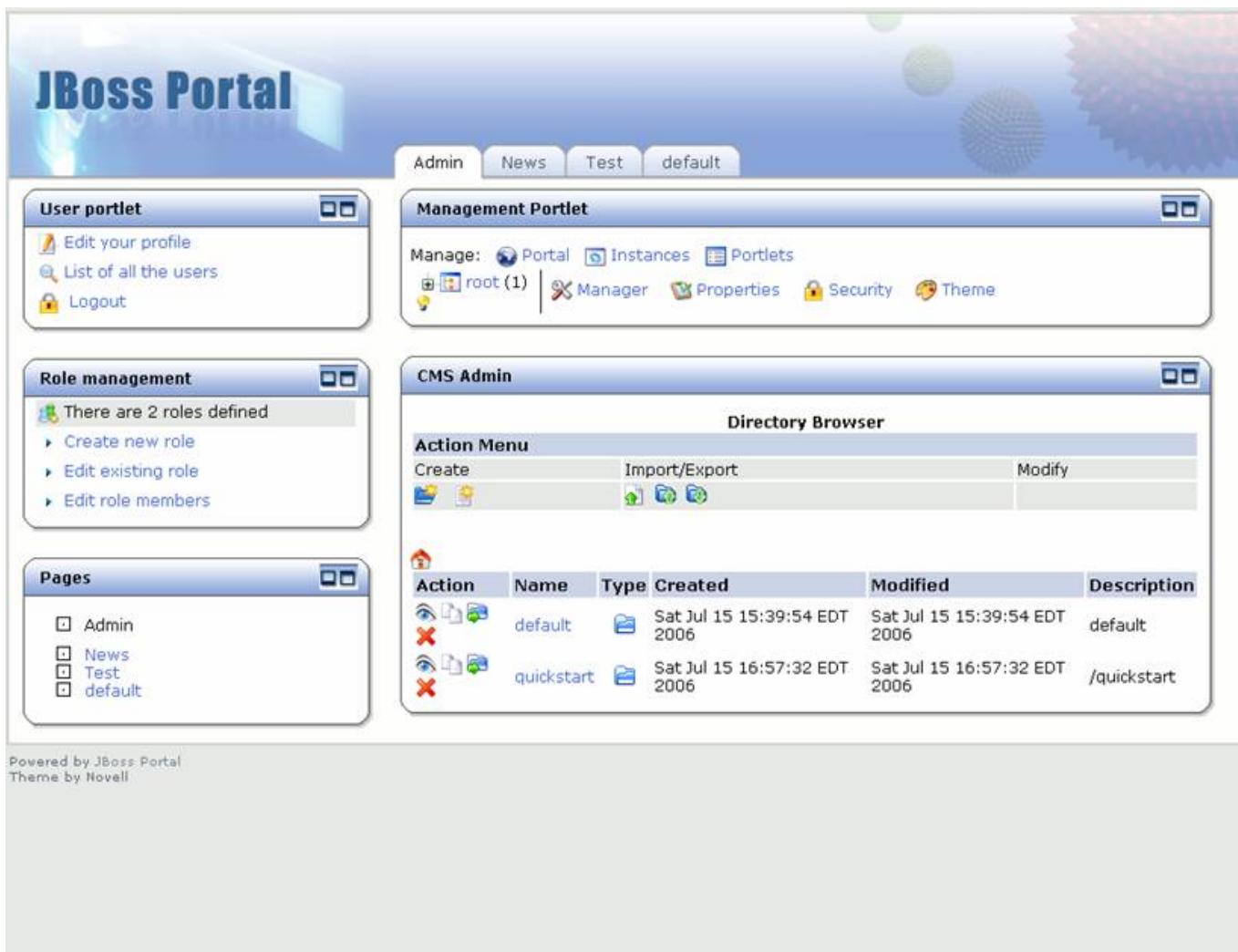


Figure 34. Management portal page default view.

Now, let's explore the management portlet. This portlet shows a tree view of the portals, portal pages, and portlet instances. Click on the "+" icon next to root, then the "+" icon next to default, and finally the "+" icon next to Admin. This shows us that there is a default portal with four portal pages defined. In addition, we can see the six portlet instances (including navigation) that are used in the management portal page (Figure 35).

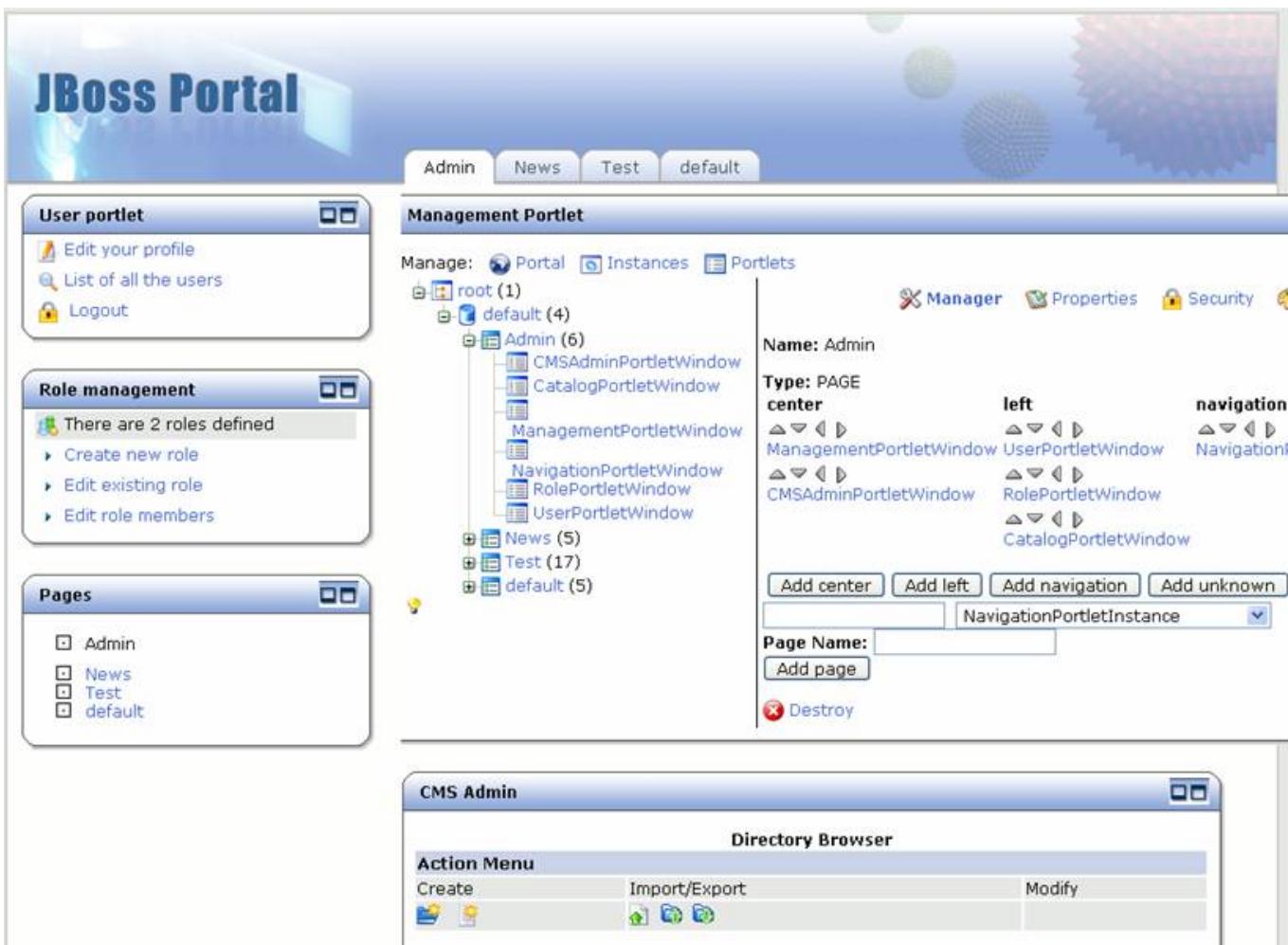


Figure 35. Management portlet with tree expanded.

Using the arrows next to the portlet instance names, we can dynamically move the portlet instances on the portal page. Click on the up arrow icon next to the RolePortletWindow to move the role portlet above the user portlet. The page now shows the role portlet above the user portlet on the page (Figure 36).

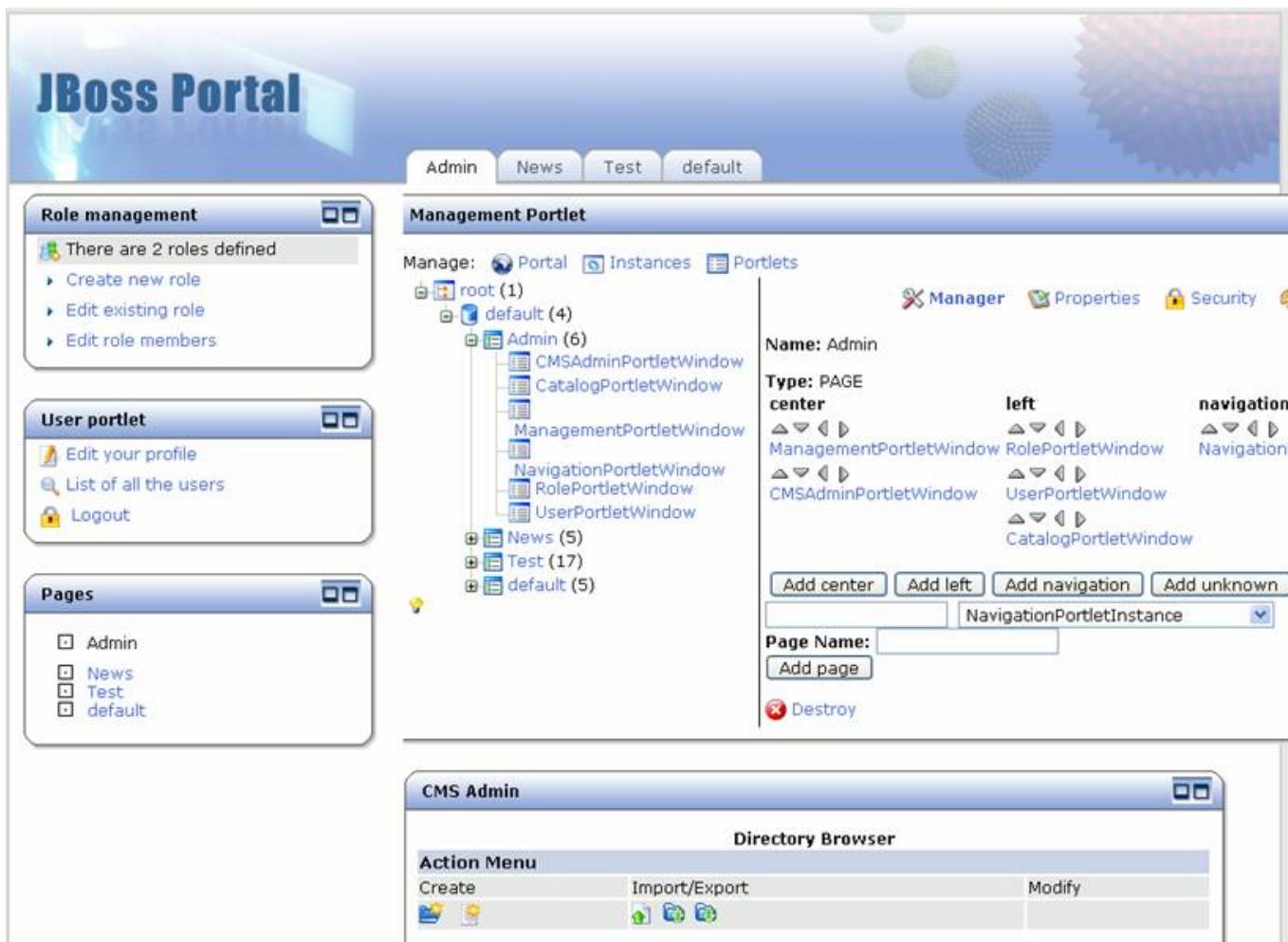


Figure 36. Role portlet is moved on the management portlet page.

Let's create a new portal page. Click on the "default" portal link. The add portal page view is shown (Figure 37).

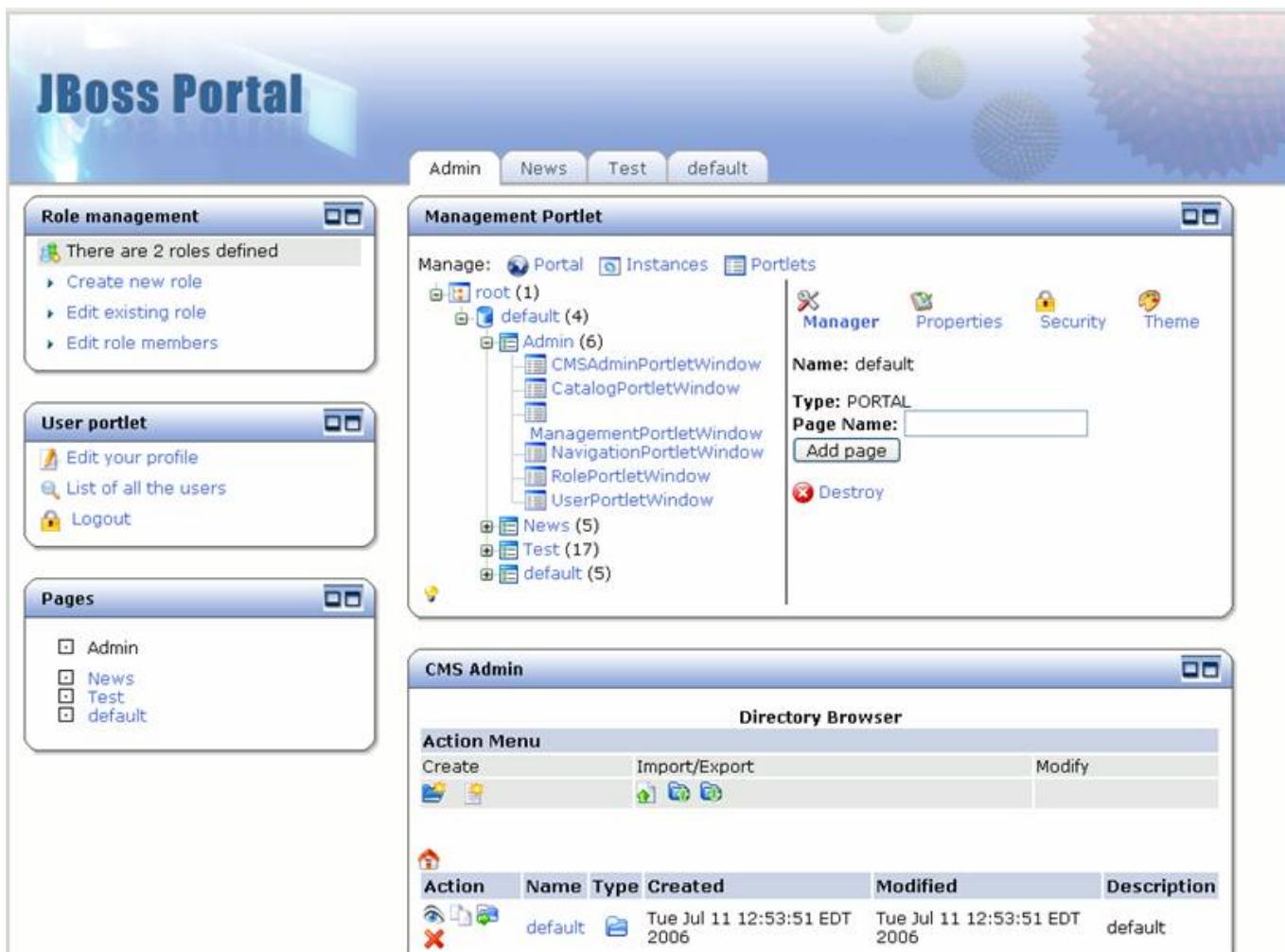


Figure 37. Management portlet add page view.

Enter "Starter" as the page name and click the "Add page" button. We now see the Starter tab at the top and Starter as a portal page in the list of portal pages (Figure 38).

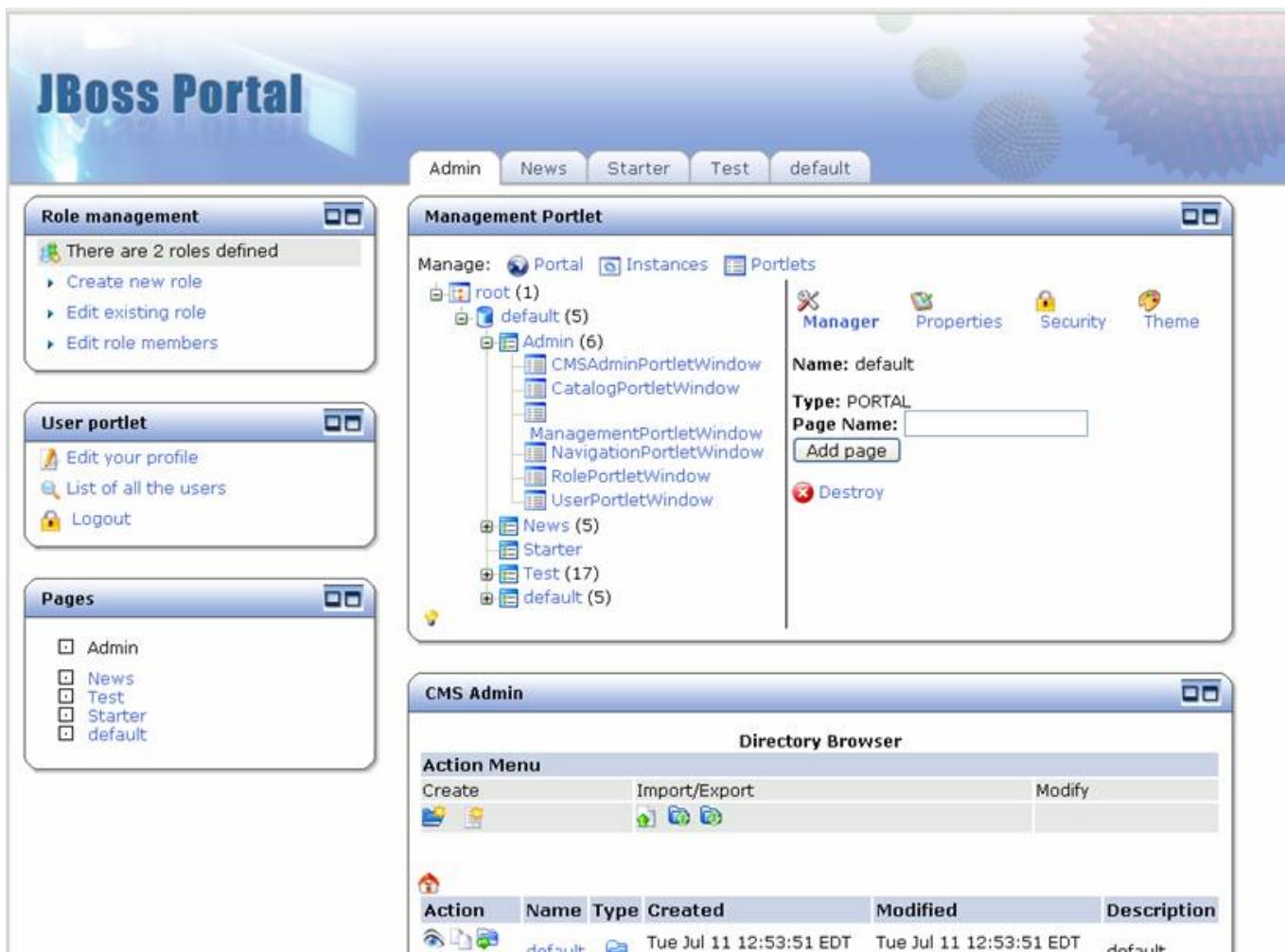


Figure 38. Starter portal page has been added.

Now let's add some portlet instances to the portal page. Click on the starter page in the management portlet, and the details for that portal page are shown (Figure 39).

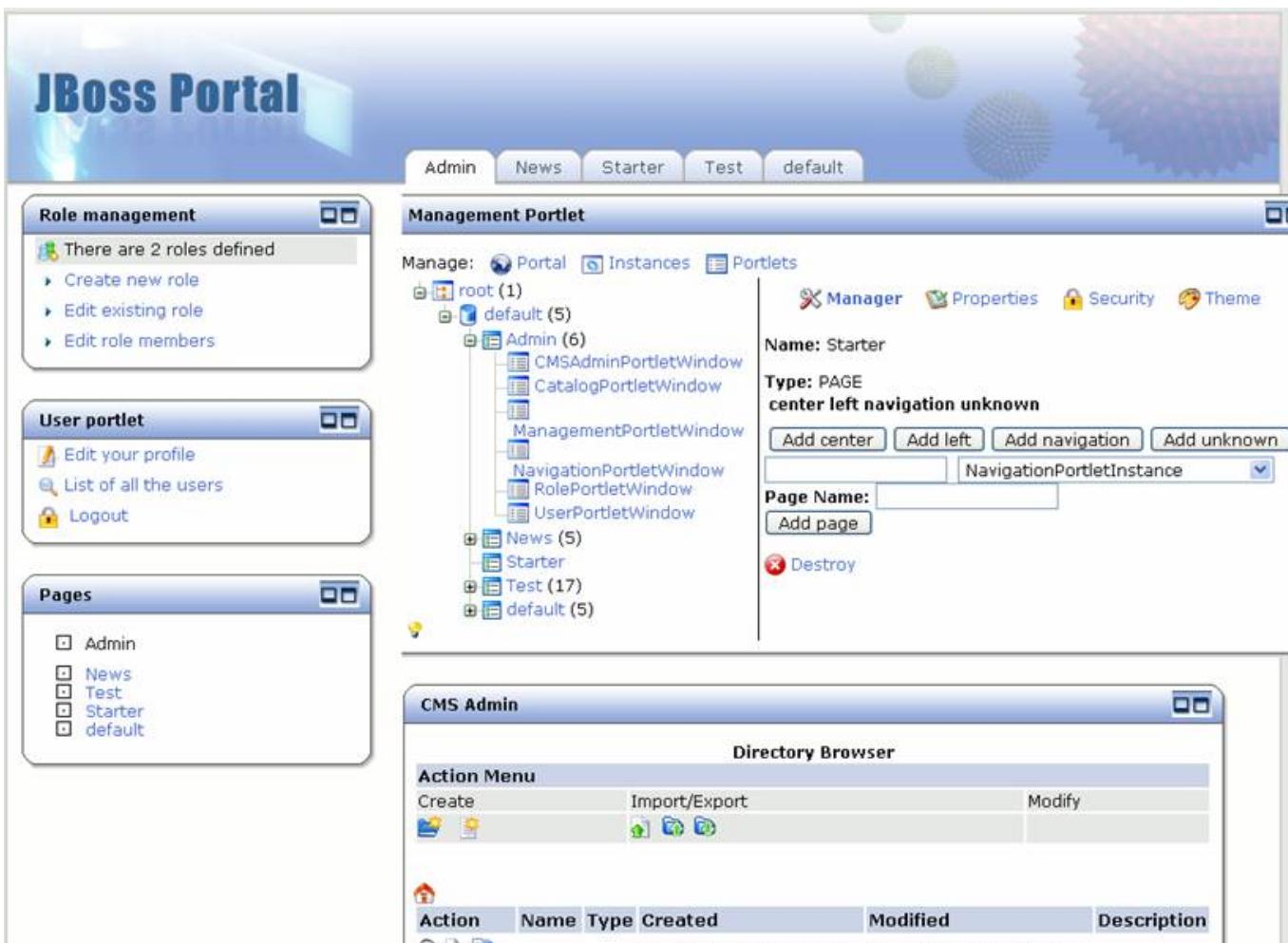


Figure 39. Management portlet for Starter portal page.

First, let's add a navigation portlet. Choose the navigation portlet instance from the dropdown (Figure 40).

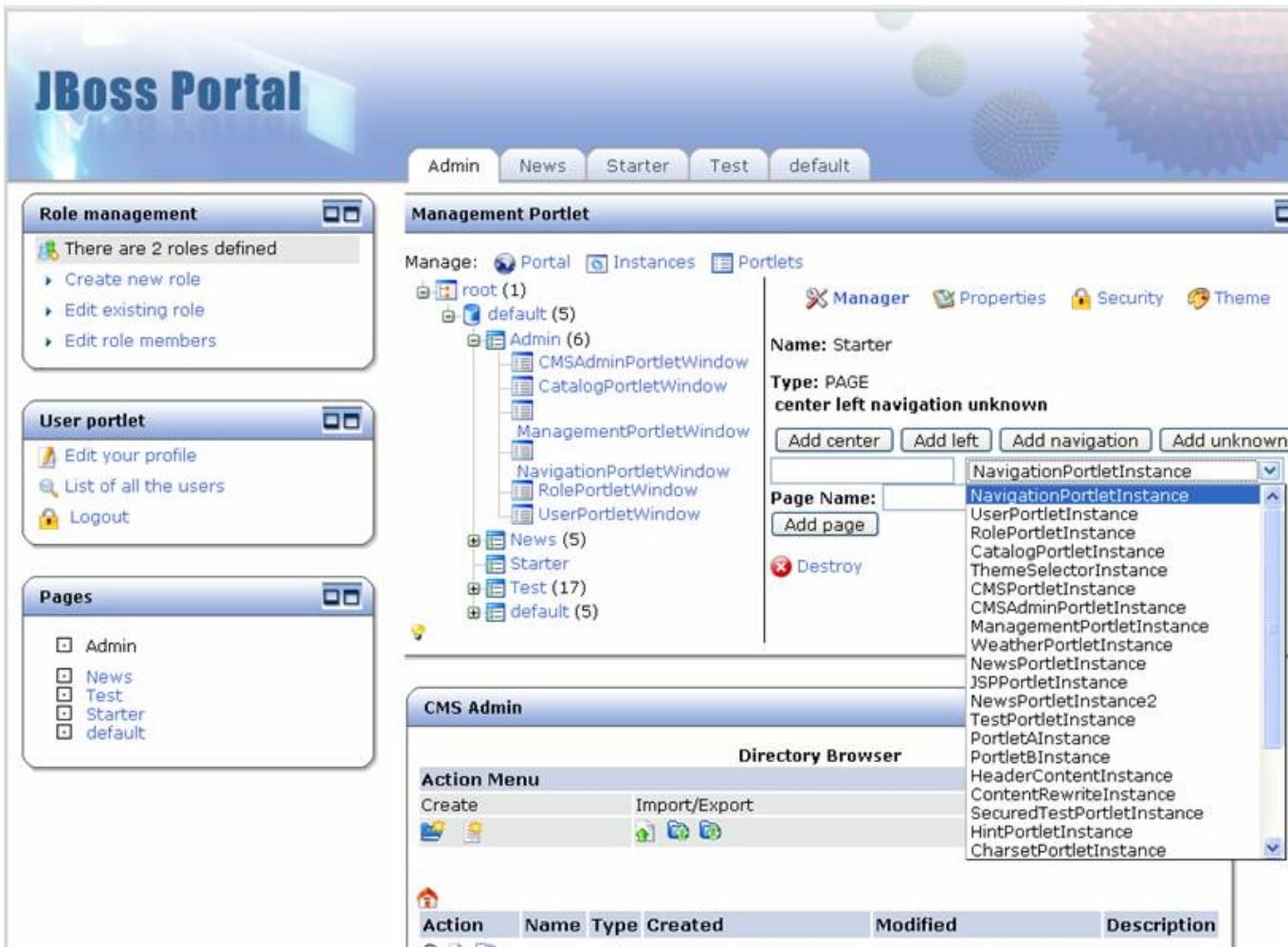


Figure 40. Choosing the Navigation portlet instance from the dropdown.

Type in the name you want to give this portlet instance ("nav") and click the "Add navigation" button. The "nav" portlet instance is now shown under navigation (Figure 41).

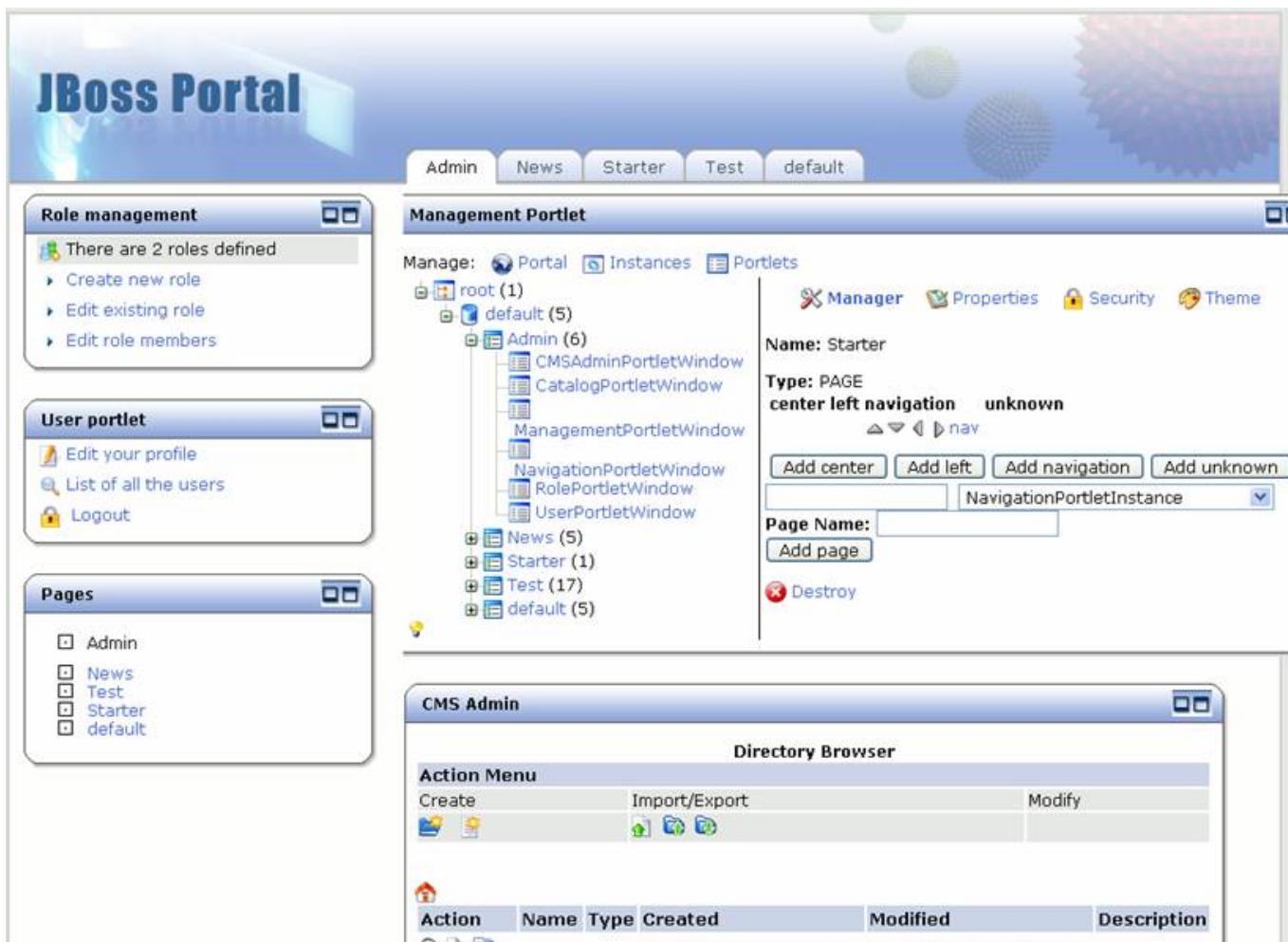


Figure 41. Nav portlet instance is added.

Click on the "nav" link to go into the details for that portlet instance (Figure 42)

The screenshot shows the JBoss Portal interface with the following components:

- Role management** portlet: Displays a message "There are 2 roles defined" and links for "Create new role", "Edit existing role", and "Edit role members".
- User portlet** portlet: Displays links for "Edit your profile", "List of all the users", and "Logout".
- Pages** portlet: Displays a list of pages: Admin, News, Test, Starter, and default.
- Management Portlet** (highlighted): Shows a tree structure of portlets under "root (1)" and "default (5)". Under "Admin (6)", it lists CMSAdminPortletWindow, CatalogPortletWindow, ManagementPortletWindow, NavigationPortletWindow, RolePortletWindow, and UserPortletWindow. Under "News (5)", it lists Starter (1) and Test (17). Under "default (5)", it lists CMSAdminPortletWindow, CatalogPortletWindow, ManagementPortletWindow, NavigationPortletWindow, RolePortletWindow, and UserPortletWindow. On the right, there are buttons for Manager, Properties, Security, and Theme. The "Name" is set to "nav", "Type" is "WINDOW", and the "NavigationPortletInstance" dropdown is selected. There are "Change instance" and "Destroy" buttons.
- CMS Admin** portlet: Shows a "Directory Browser" with an "Action Menu" for Create, Import/Export, and Modify. Below is a table with columns: Action, Name, Type, Created, Modified, and Description. A single row is listed with the following data: Action (file icon), Name (default), Type (file icon), Created (Tue Jul 11 12:53:51 EDT), Modified (Tue Jul 11 12:53:51 EDT), and Description (default).

Figure 42. Details for the nav portlet instance.

Click on the "Theme" link to update the theme for this portlet. Since this is a navigation portlet and it doesn't need portlet decorations, let's set the Window Renderer, Decoration Renderer, and Portlet Renderer to "emptyRenderer" (Figure 43).

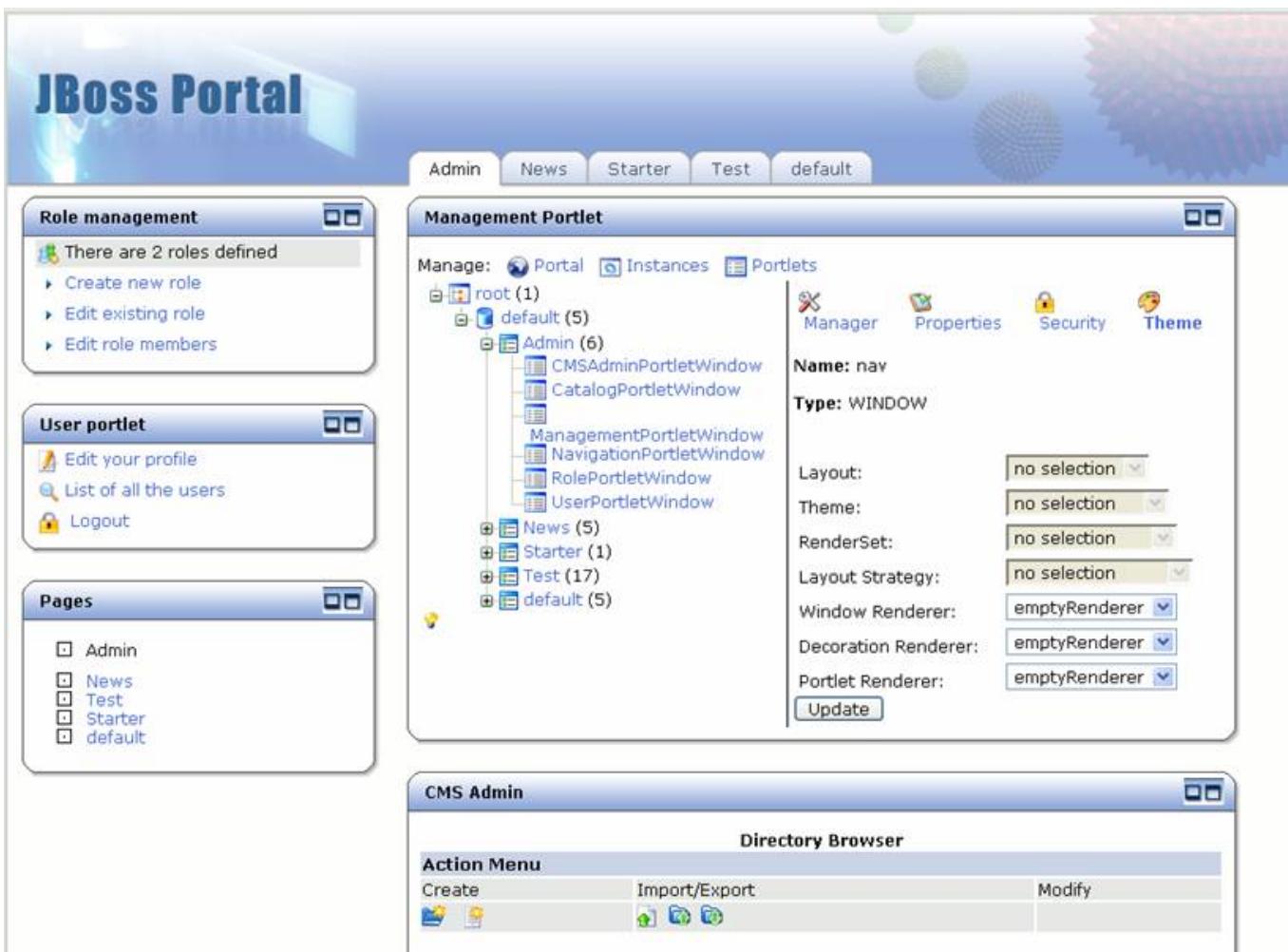


Figure 43. Theme details for the nav portlet instance.

Click the "Update" button, then click the Starter portal page in the management portlet to continue adding portlets to the Starter portal page. Select the CatalogPortletInstance from the portlet instance list, enter a name of "catalog", and click the "Add left" button. Select the CMSPortletInstance from the portlet instance list, enter a name of "CMS", and click the "Add center" button. See Figure 44 for the updated detail of the Starter portal page.

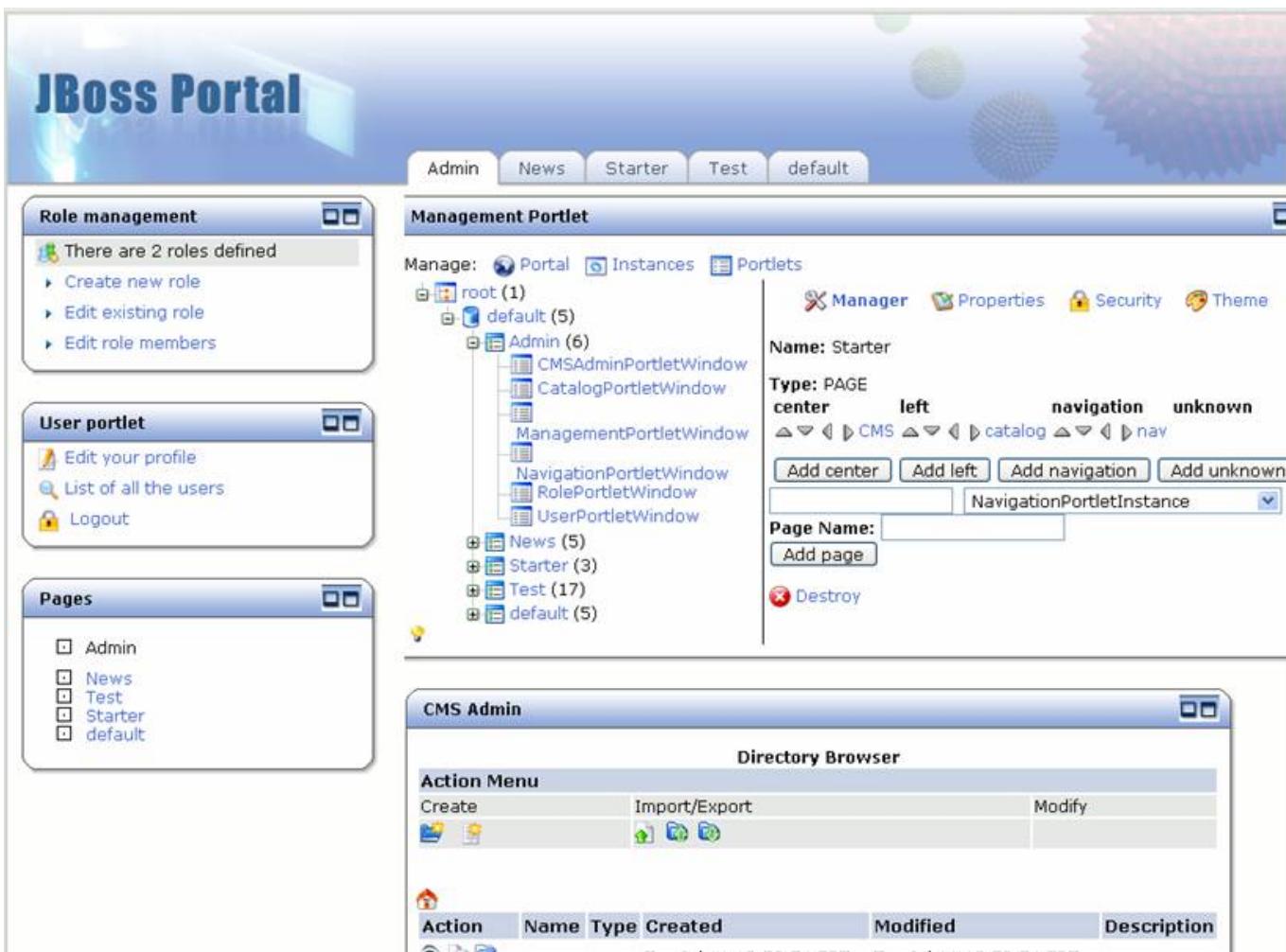


Figure 44. Starter page detail with portlet instances added.

Finally, let's take a look at security in the management portlet. Click on the "Security" link, and the list of available roles and actions is shown for the Starter portal page.(Figure 45).

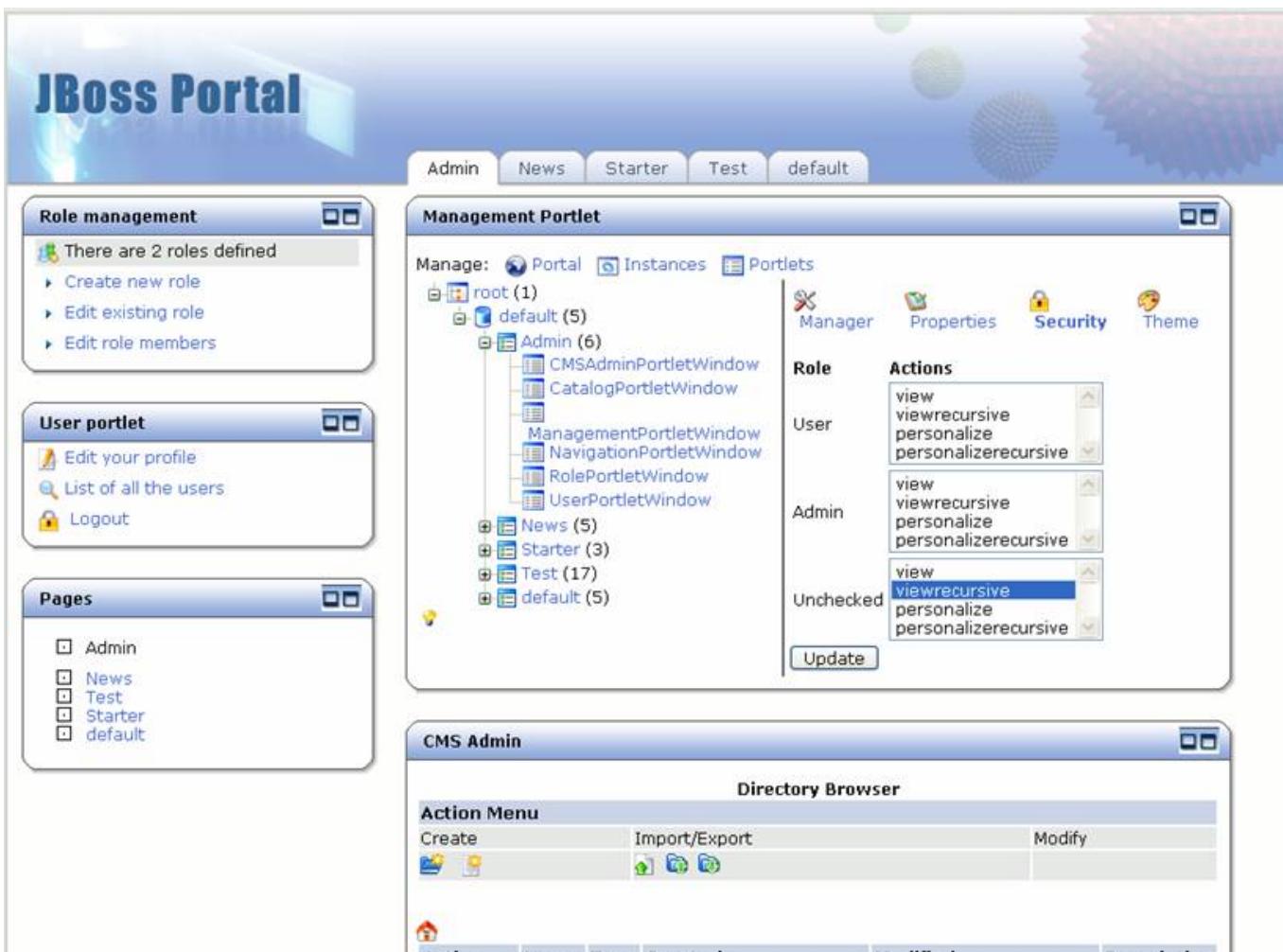


Figure 45. Security for the Starter portal page.

Let's take a look at the Starter portal page we created. Click on the "Starter" tab at the top to go to the Starter portal page (Figure 46).

JBoss Portal

Admin News Starter Test default

Pages

- Starter
- News
- Test
- default
- Admin

JBoss Portal

JBoss Portal provides an open source platform for hosting and serving a portal's 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. [Click here](#) to explore support and service options related to JBoss Portal.

PortletSwap
[PortletSwap.com](#) is a open community sponsored by JBoss, Inc. to facilitate the exchange of portlets and layouts for use in JBoss Portal. [Click here](#) to visit PortletSwap.com.

Project Information
[Click here](#) to learn more about the JBoss Portal project, on-going development, open issues, and our vibrant user and developer communities.

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

Bacci e Abracci,
The JBoss Portal Team.

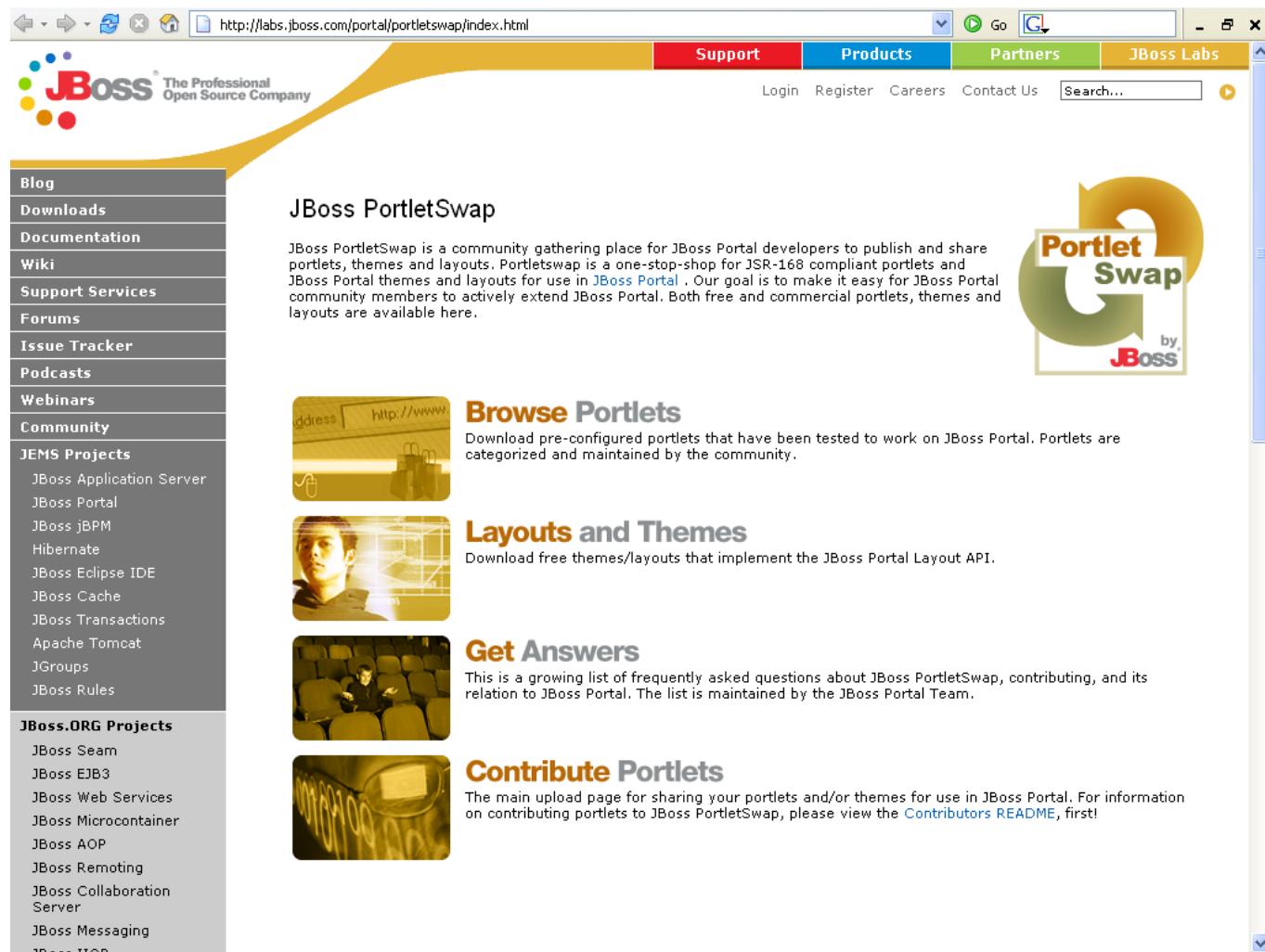
Powered by JBoss Portal
Theme by Novell

Figure 46. The Starter portal page.

Deploying Portlets

Kevin Barfield <kevin.barfield@jboss.com>

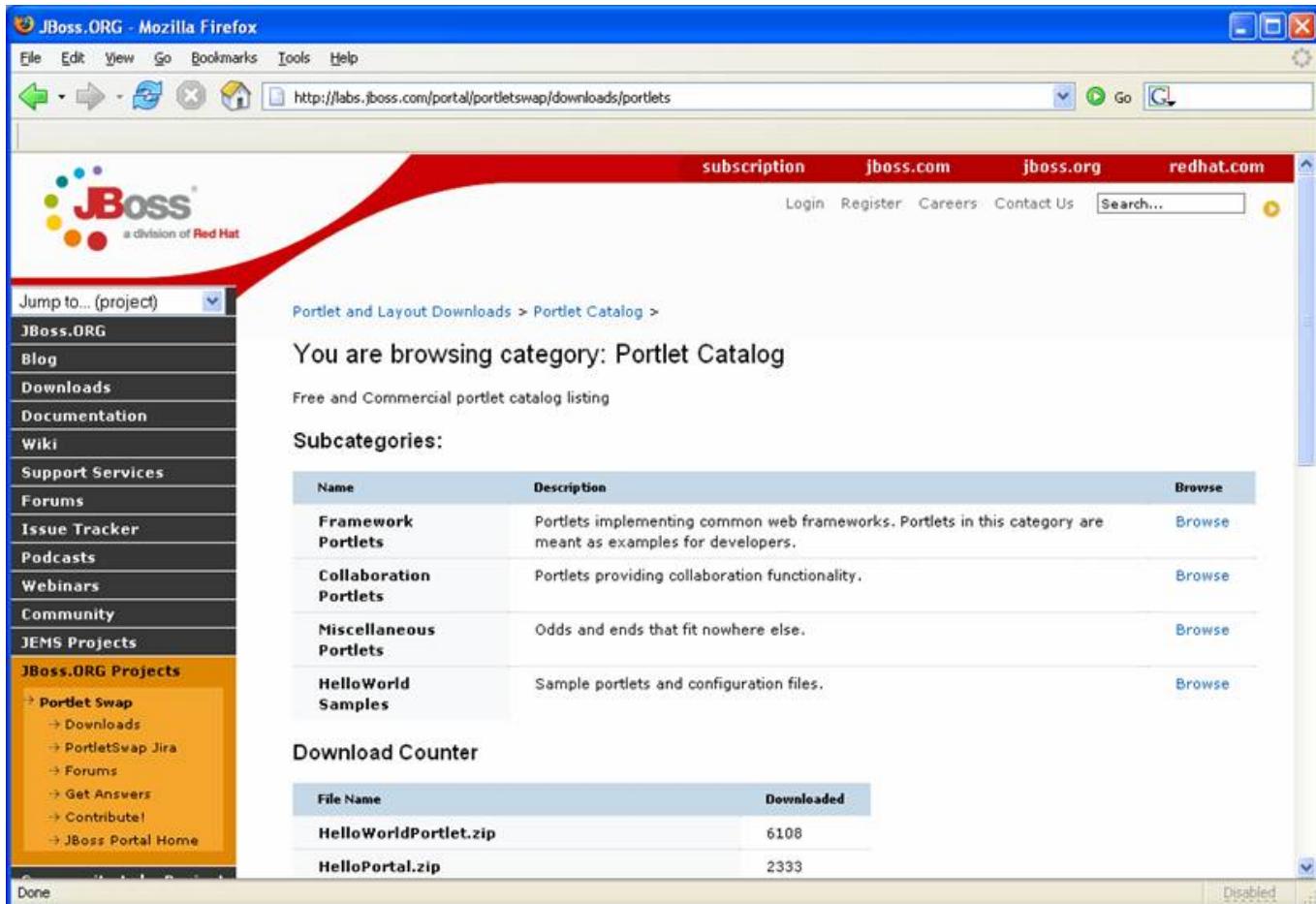
Let's add a portlet from Portletswap to the JBoss Portal we have running. Open a browser to the following URL: <http://www.portletswap.com> (Figure 47).



The screenshot shows a web browser displaying the JBoss PortletSwap homepage. The URL in the address bar is <http://labs.jboss.com/portal/portletswap/index.html>. The page features a yellow header with the JBoss logo and the text "The Professional Open Source Company". Below the header is a navigation bar with links for Support, Products, Partners, and JBoss Labs. A search bar is also present. The main content area is titled "JBoss PortletSwap" and contains a brief description of the site's purpose: "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." To the right of this text is a logo for "Portlet Swap by JBoss", featuring a stylized green and yellow arrow. The page is divided into several sections: "Browse Portlets" (with a screenshot of a browser window showing a portlet), "Layouts and Themes" (with a screenshot of a person in a server room), "Get Answers" (with a screenshot of a person in a theater), and "Contribute Portlets" (with a screenshot of a person working on a laptop). A sidebar on the left lists various JBoss projects, including JBoss Application Server, JBoss Portal, JBoss jBPM, JBoss Cache, JBoss Transactions, Apache Tomcat, JGroups, and JBoss Rules. Another sidebar lists JBoss.ORG projects such as JBoss Seam, JBoss EJB3, JBoss Web Services, JBoss Microcontainer, JBoss AOP, JBoss Remoting, JBoss Collaboration Server, JBoss Messaging, and JBoss TCK.

Figure 47. Portletswap website

Click on the "Browse Portlets" link to see the categories of portlets available (Figure 48).



JBoss.ORG - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://labs.jboss.com/portal/portletswap/downloads/portlets

subscription jboss.com jboss.org redhat.com

Login Register Careers Contact Us Search...

JBoss a division of Red Hat

Jump to... (project)

JBoss.ORG

- Blog
- Downloads
- Documentation
- Wiki
- Support Services
- Forums
- Issue Tracker
- Podcasts
- Webinars
- Community
- JEMS Projects

JBoss.ORG Projects

- Portlet Swap
 - Downloads
 - PortletSwap Jira
 - Forums
 - Get Answers
 - Contribute!
 - JBoss Portal Home

Done

Portlet and Layout Downloads > Portlet Catalog >

You are browsing category: Portlet Catalog

Free and Commercial portlet catalog listing

Subcategories:

Name	Description	Browse
Framework Portlets	Portlets implementing common web frameworks. Portlets in this category are meant as examples for developers.	Browse
Collaboration Portlets	Portlets providing collaboration functionality.	Browse
Miscellaneous Portlets	Odds and ends that fit nowhere else.	Browse
HelloWorld Samples	Sample portlets and configuration files.	Browse

Download Counter

File Name	Downloaded
HelloWorldPortlet.zip	6108
HelloPortal.zip	2333

Figure 48. Portlet categories on portletswap.

Click on the Miscellaneous Portlets browse link to see a list of portlets (Figure 49).

Jump to... (project) ▾

JBoss.ORG

Blog

Downloads

Documentation

Wiki

Support Services

Forums

Issue Tracker

Podcasts

Webinars

Community

JEMS Projects

JBoss.ORG Projects

- Portlet Swap
- Downloads
- PortletSwap Jira
- Forums
- Get Answers
- Contribute!
- JBoss Portal Home

Community Labs Projects

JBoss Architect's Library

Contributors Agreements

Access JBoss

Done

Disabled

Portlet and Layout Downloads > Portlet Catalog > Miscellaneous Portlets >

You are browsing category: **Miscellaneous Portlets**

Odds and ends that fit nowhere else.

Files:

Name	Description	Size	Released	License	Download
JBoss Weather Portlet	Weather forecasts with the ability for users to customize their location and save in portal preferences.	1008 KB	1/24/06	LGPL	Download
JBoss News Portlet	RSS News feed portlet with the ability for users to customize the feed URL and save in portal preferences.	1009 KB	2/14/06	LGPL	Download
PortletBridge Portlet	The PortletBridge Portlet is a JSR 168 web-clipping proxy portlet that allows a downstream web site to be proxied as a portlet. By default it only displays the content of the BODY but custom XSLT can be used to transform the data from the downstream site. Project information can be found here .	4 MB	1/24/06	Apache	Download
Stock and Industry News Portlets	Portlets that aggregate stock information and industry news based on stock symbols.	280 KB	1/24/06	LGPL	Download
Flash Movie Portlet	Allows a user to edit the url and dimensions of a flash movie that will be displayed within.	180 KB	3/15/06	LGPL	Download

Figure 49. List of portlets on portletswap.

Click on the download link next to the Flash MoviePortlet. The download dialog will appear (Figure 50).

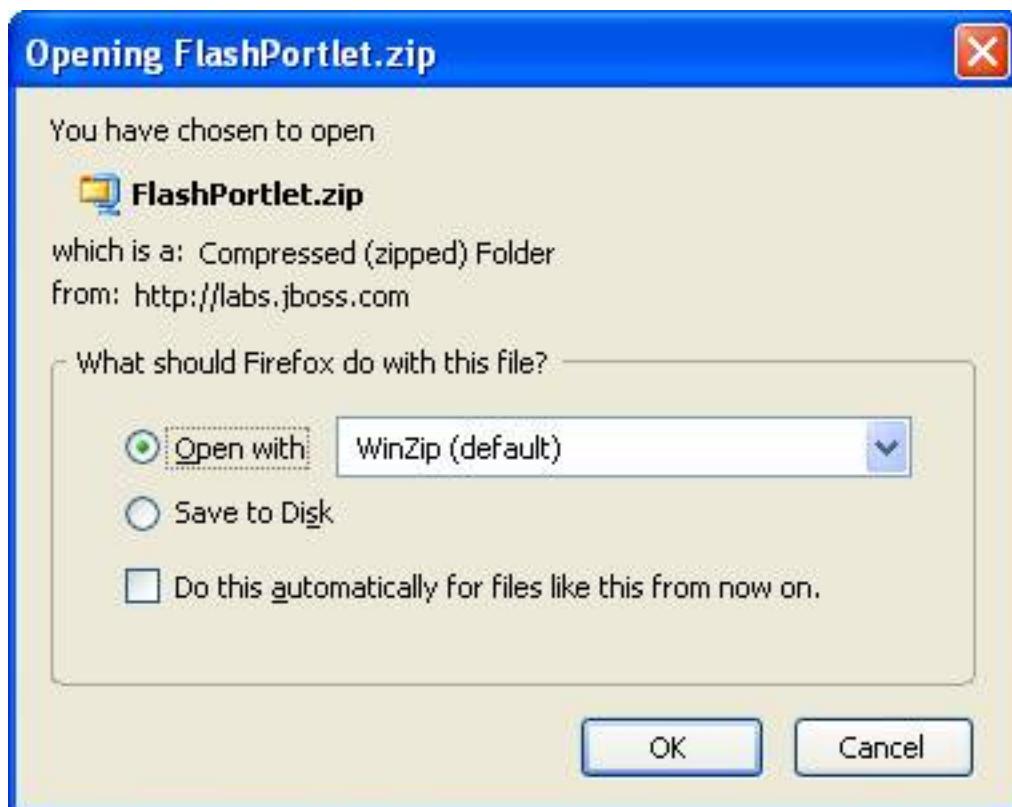
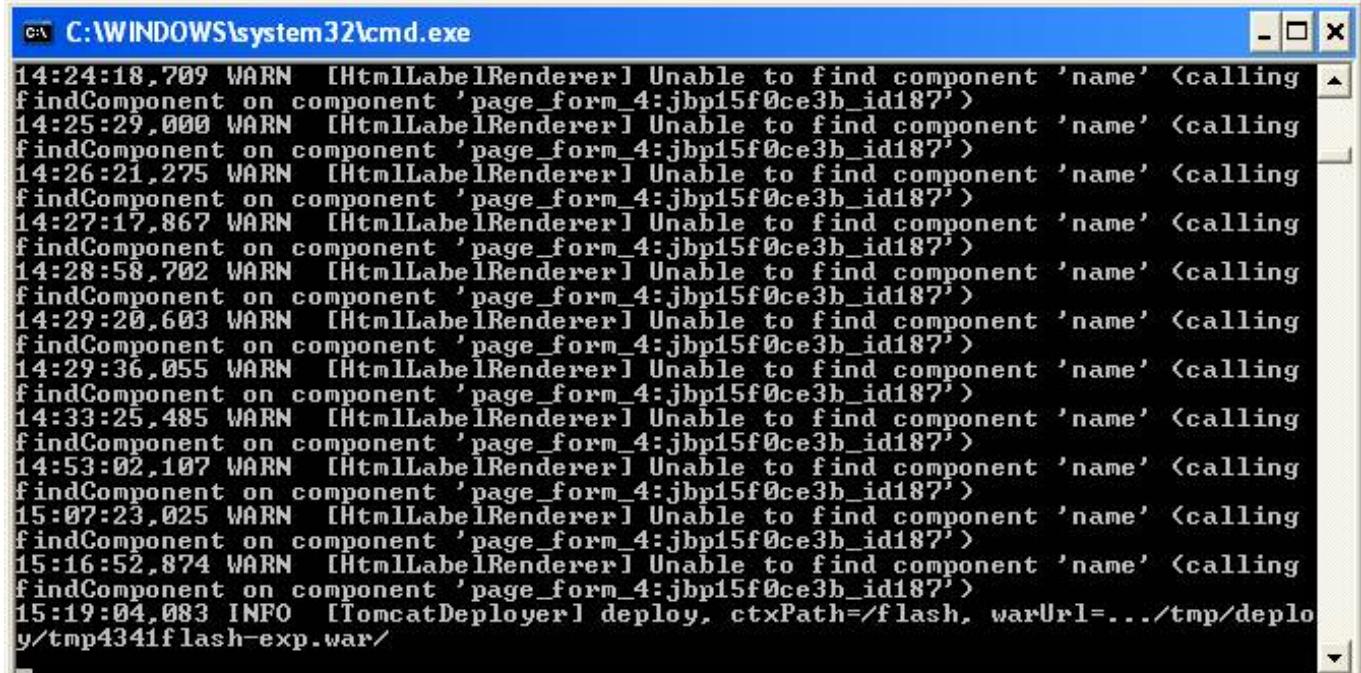


Figure 50. Download dialog.

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-portal-2.4\server\default\deploy directory. The console for the JBoss Portal will show the portlet being deployed (Figure 51).



```
14:24:18,709 WARN [HtmlLabelRenderer] Unable to find component 'name' <calling
findComponent on component 'page_form_4:jbpi5f0ce3b_id187'>
14:25:29,000 WARN [HtmlLabelRenderer] Unable to find component 'name' <calling
findComponent on component 'page_form_4:jbpi5f0ce3b_id187'>
14:26:21,275 WARN [HtmlLabelRenderer] Unable to find component 'name' <calling
findComponent on component 'page_form_4:jbpi5f0ce3b_id187'>
14:27:17,867 WARN [HtmlLabelRenderer] Unable to find component 'name' <calling
findComponent on component 'page_form_4:jbpi5f0ce3b_id187'>
14:28:58,702 WARN [HtmlLabelRenderer] Unable to find component 'name' <calling
findComponent on component 'page_form_4:jbpi5f0ce3b_id187'>
14:29:20,603 WARN [HtmlLabelRenderer] Unable to find component 'name' <calling
findComponent on component 'page_form_4:jbpi5f0ce3b_id187'>
14:29:36,055 WARN [HtmlLabelRenderer] Unable to find component 'name' <calling
findComponent on component 'page_form_4:jbpi5f0ce3b_id187'>
14:33:25,485 WARN [HtmlLabelRenderer] Unable to find component 'name' <calling
findComponent on component 'page_form_4:jbpi5f0ce3b_id187'>
14:53:02,107 WARN [HtmlLabelRenderer] Unable to find component 'name' <calling
findComponent on component 'page_form_4:jbpi5f0ce3b_id187'>
15:07:23,025 WARN [HtmlLabelRenderer] Unable to find component 'name' <calling
findComponent on component 'page_form_4:jbpi5f0ce3b_id187'>
15:16:52,874 WARN [HtmlLabelRenderer] Unable to find component 'name' <calling
findComponent on component 'page_form_4:jbpi5f0ce3b_id187'>
15:19:04,083 INFO [TomcatDeployer] deploy, ctxPath=/flash, warUrl=.../tmp/deploy/tmp4341flash-exp.war/
```

Figure 51. Flash portlet is deployed to JBoss Portal.

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 Admin portal page (Figure 52).



Figure 52. Admin portal page.

Click on the Portlets link. A list of all portlets will be displayed. Click on the FlashPortlet link. A dialog to create an instance will appear (Figure 53).

The screenshot shows the JBoss Seam Portal Management Portlet administration interface. The top navigation bar includes links for Admin, News, Starter, Test, and default. The main content area is titled 'Management Portlet' and shows a table of portlets. The table columns are Id, Name, Remote, Remotable, and Description. The portlets listed are:

Id	Name	Remote	Remotable	Description
local.flashportlet.FlashPortlet		<input type="checkbox"/>	<input type="checkbox"/>	-
local.portal.ManagementPortlet	Portal Management Portlet	<input type="checkbox"/>	<input type="checkbox"/>	Administration portlet for portal pages administration
local.portal.UserPortlet	User Portlet	<input type="checkbox"/>	<input type="checkbox"/>	Portlet providing user login/logout and profile management
local.portal.NavigationPortlet	Navigation Portlet	<input type="checkbox"/>	<input type="checkbox"/>	Portlet providing navigable tabs with portal pages
local.portal.RolePortlet	User Roles Portlet	<input type="checkbox"/>	<input type="checkbox"/>	Portlet for managing user roles
local.portal.ThemeSelectorPortlet	Theme Selector Portlet	<input type="checkbox"/>	<input type="checkbox"/>	Portlet providing theme selection ability to users
local.portal.CatalogPortlet	Portal Pages Catalog Portlet	<input type="checkbox"/>	<input type="checkbox"/>	Portlet providing navigable list of portal pages

On the right side of the table, there are buttons for Manager, Security, and Preferences. Below the table, there is a form with fields for Name and Description, and a 'Create instance' button.

Figure 53. Portlets administration.

Type in "Flash Portlet" as the instance name and click on the create instance button. Now there is an instance of the portlet that can be added to the Starter portal page. Click on the Instances link to see all portlet instances (Figure 54).

Id	Portlet	Action
NavigationPortletInstance	Navigation Portlet	X
UserPortletInstance	User Portlet	X
RolePortletInstance	User Roles Portlet	X
CatalogPortletInstance	Portal Pages Catalog Portlet	X
ThemeSelectorInstance	Theme Selector Portlet	X
CMSPortletInstance	Content Management System Portlet	X
CMSAdminPortletInstance	Content Management System Administration Portlet	X
ManagementPortletInstance	Portal Management Portlet	X
WeatherPortletInstance	Weather Portlet	X
NewsPortletInstance	News Portlet	X
JSPPortletInstance	JSF Portlet	X
NewsPortletInstance2	News Portlet	X
TestPortletInstance	Test Portlet	X
PortletAInstance	Portlet A	X
PortletBInstance	Portlet B	X
HeaderContentInstance	Header Content Portlet	X
ContentRewriteInstance	Content Rewrite Portlet	X
SecuredTestPortletInstance	Secured Test Portlet	X
HintPortletInstance	Hint Portlet	X
CharsetPortletInstance	Charset Portlet	X
CounterPortletInstance	Counter Portlet	X
CachedCounterPortletInstance	Cached Counter Portlet	X
ExceptionPortletInstance	Exception Portlet	X
PortletSessionPortletInstance	Portlet Session Portlet	X
EncodingPortletInstance	Encoding Portlet	X
WsrpSelectorTestPortletInstance	WSRP Selector Test Portlet	X
ThemeSelectorPortletInstance	Theme Selector Portlet	X
Flash Portlet		X

Figure 54. Portlet instances administration.

Click on the Portal link and expand the tree to the Starter portal page. Select the Flash Portlet from the portlet list, and add it to the Starter portal page with a name of "flash" (Figure 55).

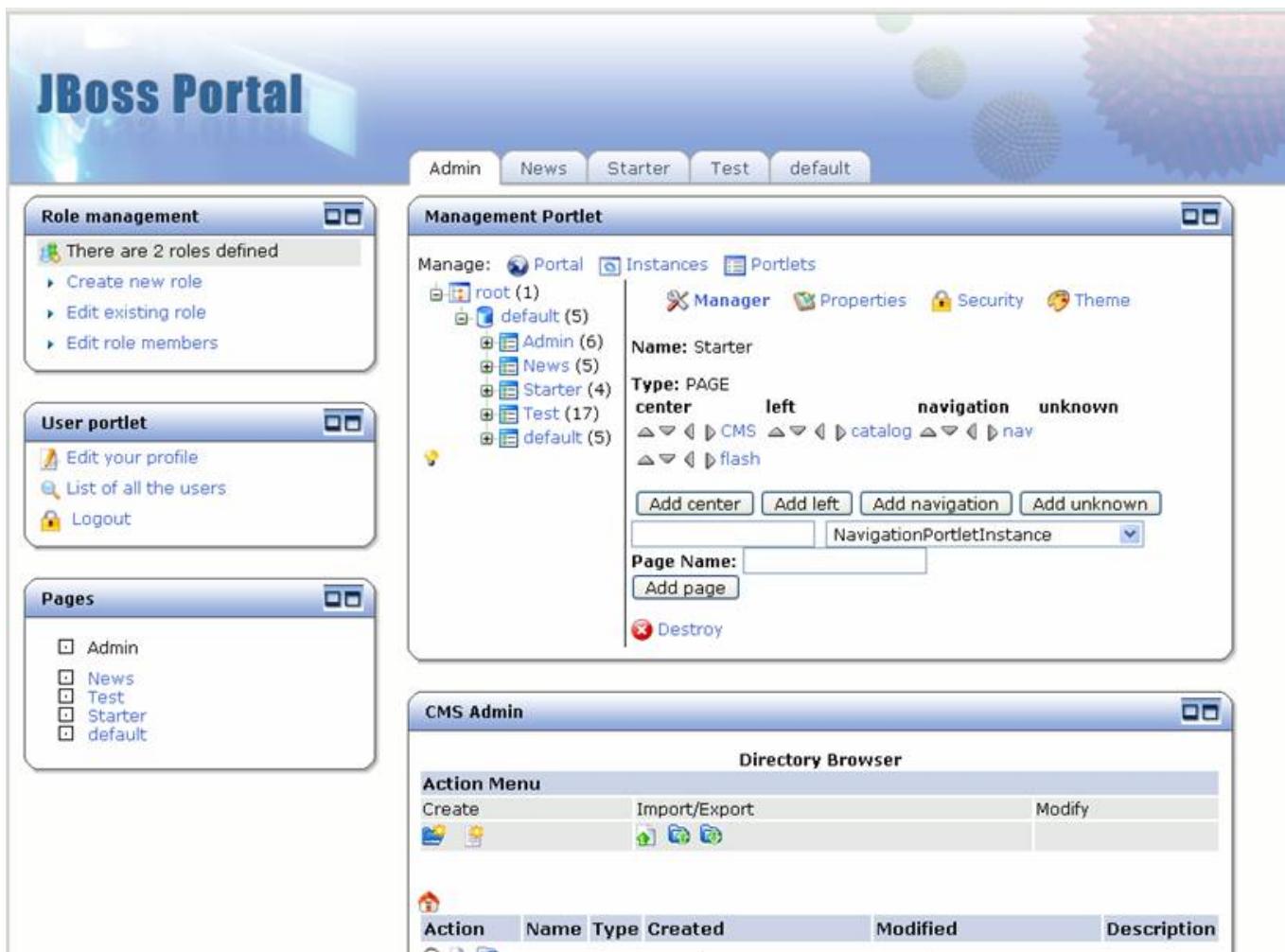


Figure 55. Starter portal page with flash portlet added.

Click on the Starter portal page, and the flash portlet is displayed (Figure 56).



Figure 56. Starter portal page with flash portlet.

6

Tutorial End

Kevin Barfield <kevin.barfield@jboss.com>

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>]