JD Edwards EnterpriseOne Tools

IBM WebSphere Portal Reference Guide

9.2

JD Edwards EnterpriseOne Tools
IBM WebSphere Portal Reference Guide

9.2

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Preface

Welcome to the JD Edwards EnterpriseOne documentation.

Documentation Accessibility

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Related Information

For additional information about JD Edwards EnterpriseOne applications, features, content, and training, visit the JD Edwards EnterpriseOne pages on the JD Edwards Resource Library located at:

http://learnjde.com

Conventions

The following text conventions are used in this document:

Convention	Meaning
Bold	Boldface type indicates graphical user interface elements associated with an action or terms defined in text or the glossary.
Italics	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`Monospace`	Monospace type indicates commands within a paragraph, URLs, code examples, text that appears on a screen, or text that you enter.
> Oracle by Example	Indicates a link to an Oracle by Example (OBE). OBEs provide hands-on, step- by-step instructions, including screen captures that guide you through a process using your own environment. Access to OBEs requires a valid Oracle account.

1 Understanding This Guide

Understanding This Guide

The *JD Edwards EnterpriseOne Tools IBM WebSphere Portal Reference Guide* covers the IBM WebSphere Portal technology.

Using this Guide

The *JD Edwards EnterpriseOne Tools IBM WebSphere Portal Reference Guide* is meant to be used to supplement the use of the IBM WebSphere Portal with Oracle JD Edwards portlets and WSRP technology. This guide is not meant to be read front to back. Instead, the user should skip to the necessary parts and use them with other guides that more fully detail the various install processes. The necessary supplementary guides include:

- *JD Edwards EnterpriseOne Tools Server Manager Guide*
- *JD Edwards EnterpriseOne Tools IBM WebSphere Portal for IBM i for Power Systems Guide*
- *JD Edwards EnterpriseOne Tools IBM WebSphere Portal for Unix Guide*
- *JD Edwards EnterpriseOne Tools IBM WebSphere Portal for Microsoft Windows Guide*

Accessing Minimum Technical Requirements

Customers must conform to the supported platforms for the release as detailed in the Certifications for JD Edwards EnterpriseOne. In addition, JD Edwards EnterpriseOne may integrate, interface, or work in conjunction with other Oracle products. Refer to the following link for cross-reference material in the Program Documentation for Program prerequisites and version cross-reference documents to assure compatibility of various Oracle products:

http://www.oracle.com/corporate/contracts/index.html

Access the Certifications from My Oracle Support (https://support.oracle.com) by searching for this product from the Certification tab:

JD Edwards EnterpriseOne Portal

EnterpriseOne Portal Solutions Overview

EnterpriseOne Portal supports these Portal Servers:

- Oracle WebCenter
- IBM WebSphere Portal 8.5

On each portal, EnterpriseOne Portal supports the WSRP solution.

This guide covers the EnterpriseOne portal solutions for IBM WebSphere Portal.

Depending on the combination of JD Edwards EnterpriseOne Applications and Tools Release levels, the availability of the different portal solutions can be referred to in the Minimum Technical Requirements (MTRs).

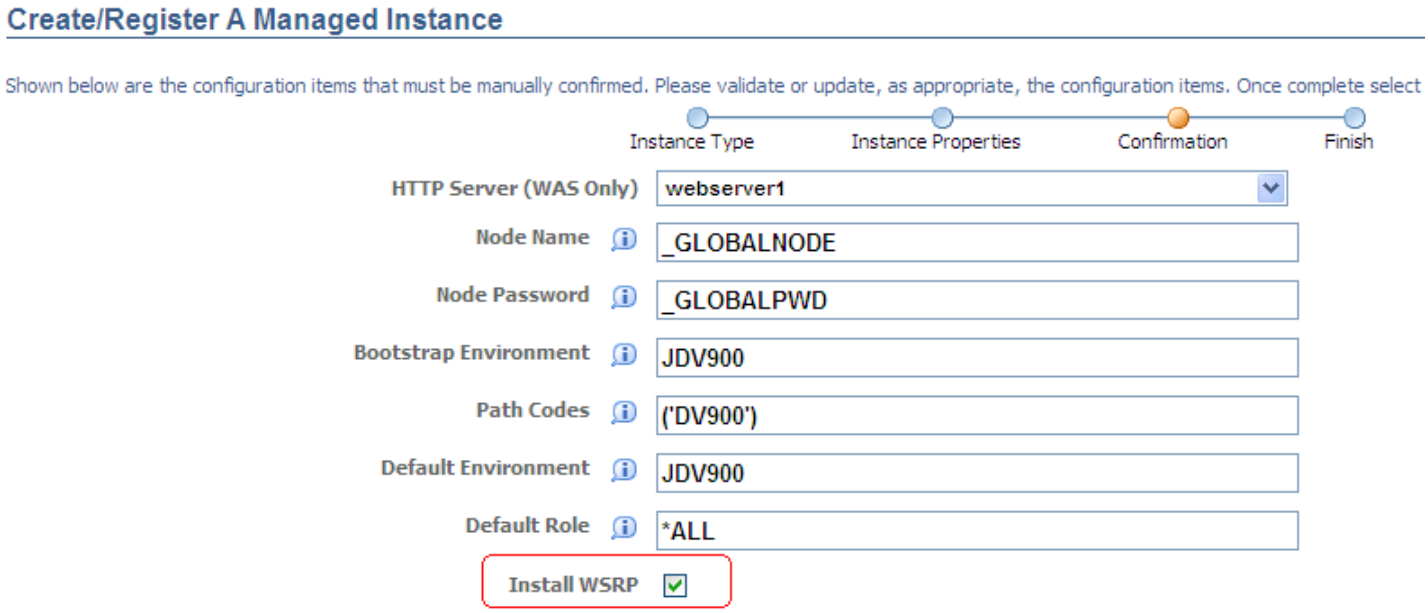
2 Understanding WSRP

Understanding WSRP

Two foundational terminologies in Web Services for Remote Portlets (WSRP) standards are Producer and Consumer. The Producer is a web service that offers one or more portlets and implements various WSRP interfaces and operations. In the JD Edwards EnterpriseOne solution, the JD Edwards EnterpriseOne HTML Web Server is the WSRP producer.

The Consumer is a web service client that invokes producer-offered WSRP web services and provides an environment for users to interact with portlets offered by one or more producers. In the JD Edwards EnterpriseOne solution, the Oracle WebCenter is the WSRP consumer that is used to display and group multiple JD Edwards EnterpriseOne portlets as well as portlets provided by other WSRP producers.

Note: Server Manager must be used to deploy the EnterpriseOne HTML Web Client as a WSRP/Portal producer. You have an option not to deploy WSRP components if the instance is for HTML server (JAS) only. If you are planning to use the instance as your WSRP producer, ensure you have this option check during deployment. The default is checked. Changing the ini setting after deployment will not install or un-install the WSRP components. You must re-deploy the application to take effect.



The default is to deploy WSRP components.

JD Edwards EnterpriseOne Features Not Supported with IBM WebSphere Portal (Tools Release 9.2.0.5)

The following JD Edwards EnterpriseOne Web client features are not supported with IBM WebSphere Portal:

- List View Grid Format
- Carousel
- EnterpriseOne Pages
- Composed EnterpriseOne Pages
- Composite Application Framework
- Advanced Media Object Attachments (Release 9.2.1)
- Design mode for Personal Forms (Release 9.2.1)
- EnterpriseOne Search (Release 9.2.1.2)
- Contextual Conversations, Contextual Documents, and User Conversations (Release 9.2.1.2)
- Task Search (Release 9.2.1.4)
- Subscriptions to Notifications (Release 9.2.2)
- Renaming and resetting column headers for Table View Grid Format in design mode (Release 9.2.2.4)
- Design mode for Form Extensions (Release 9.2.2.4)

3 Administering WSRP Producers with IBM WebSphere Portal

Administering WSRP Producers with IBM WebSphere Portal

Note: To implement the EnterpriseOne WSRP portal for WebSphere Portal v8.5, first you need to install and configure the EnterpriseOne HTML Server on a WebSphere Application Server v8.5.5.6. Follow the HTML Server installation guide to install the HTML Server. Test the HTML Server to ensure it functions properly before carrying out the following steps. The fully functional HTML Server is going to be the WSRP Producer for the following steps, described below.

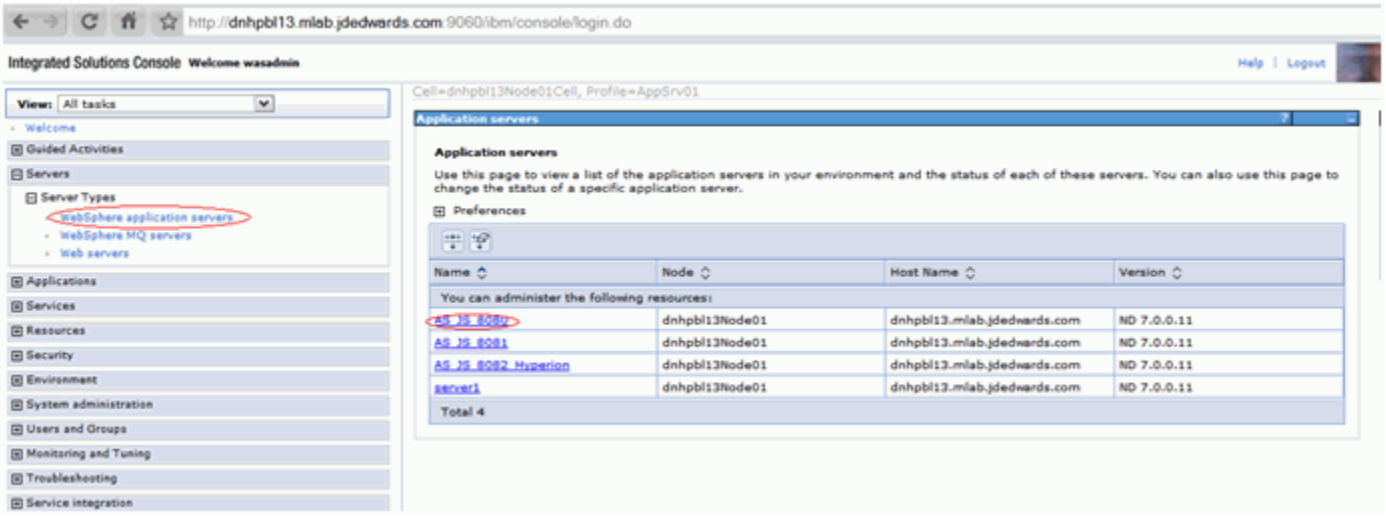
Setting up the URL Rewrite Option on the Producer

To use JD Edwards EnterpriseOne portlets in the IBM WebSphere Portal v8.5, the "URL Rewrite" option must be set. Follow the steps below to perform this task:

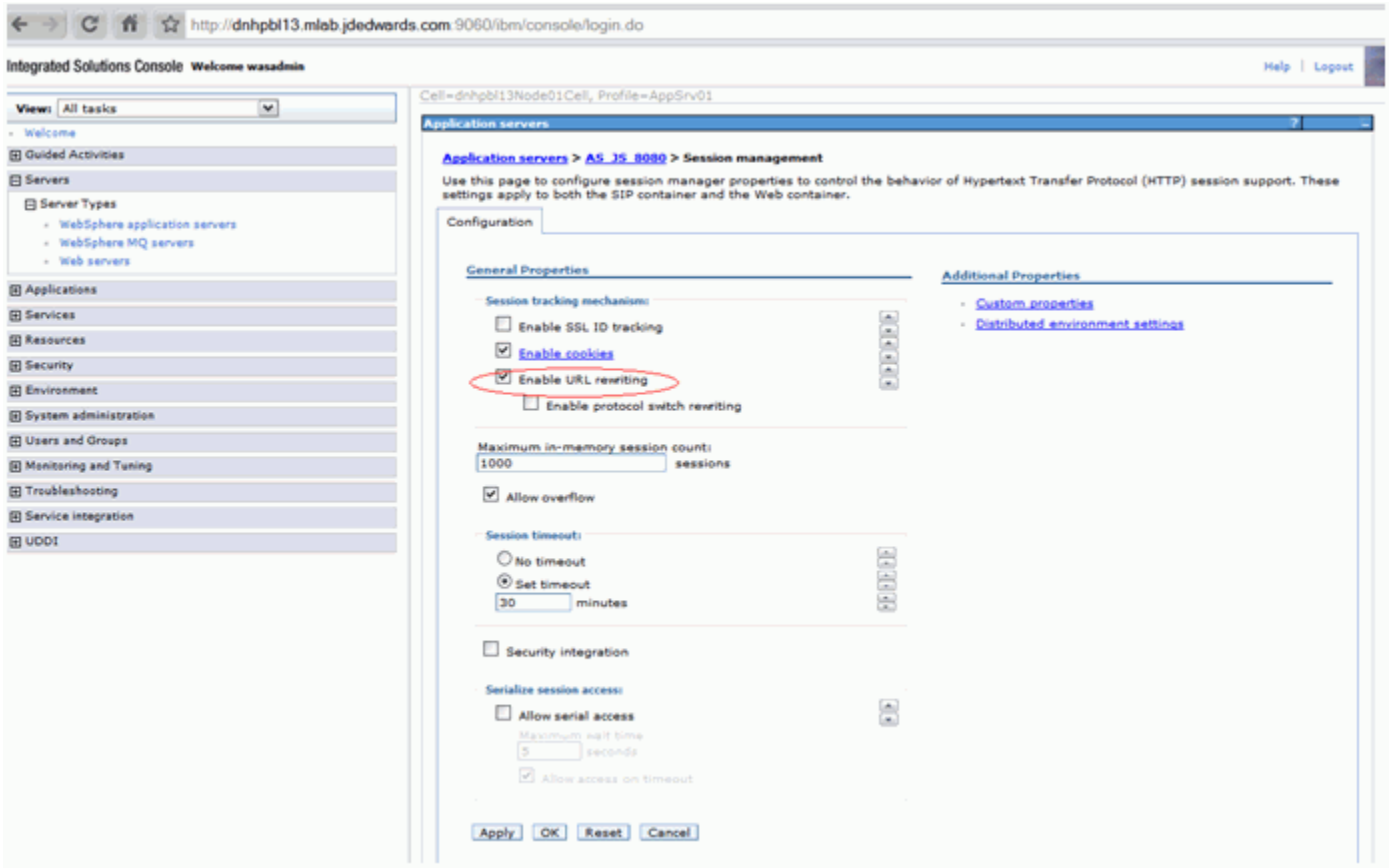
To set up the URL Rewrite option on the producer:

Note: The steps below must be performed on the JD Edwards EnterpriseOne HTML Web Server.

1. Sign onto the WebSphere Admin Console on your producer.

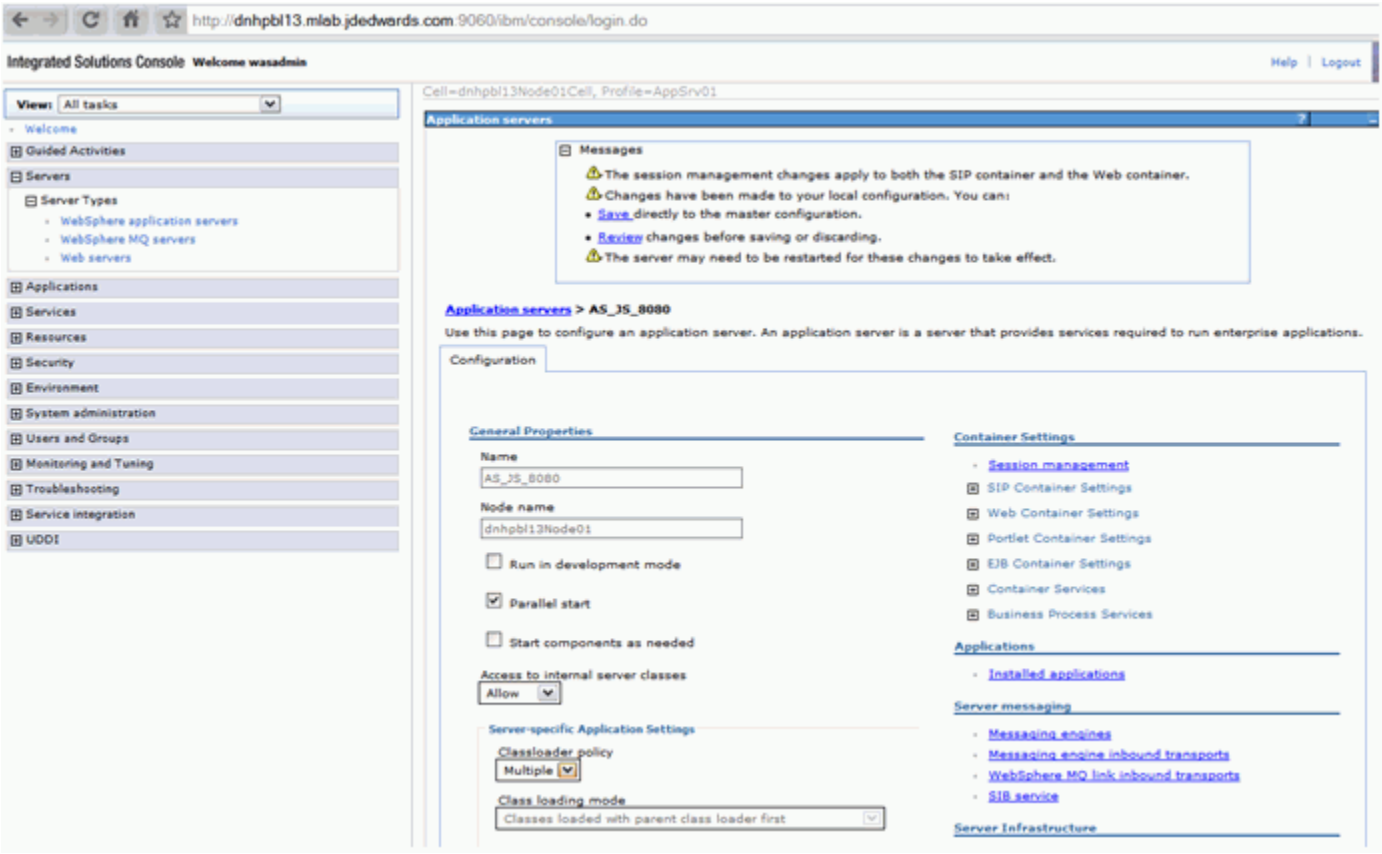


2. Select Session Management.
3. Select the "Enable URL rewriting" option.
4. Select OK.



5. Select Save.

6. Restart the server.



Turning off WSRP Producer Compression

The WSRP producer needs to have compression turned off as the WSRP Portals are not able to handle compressed resources such as Javascript, CSS... etc.

This means that the Java Application Server (JAS) server that is designated as the WSRP producer must have the JAS compression turned off. Please ensure the "EnableCompression" setting is set to false with server manager.

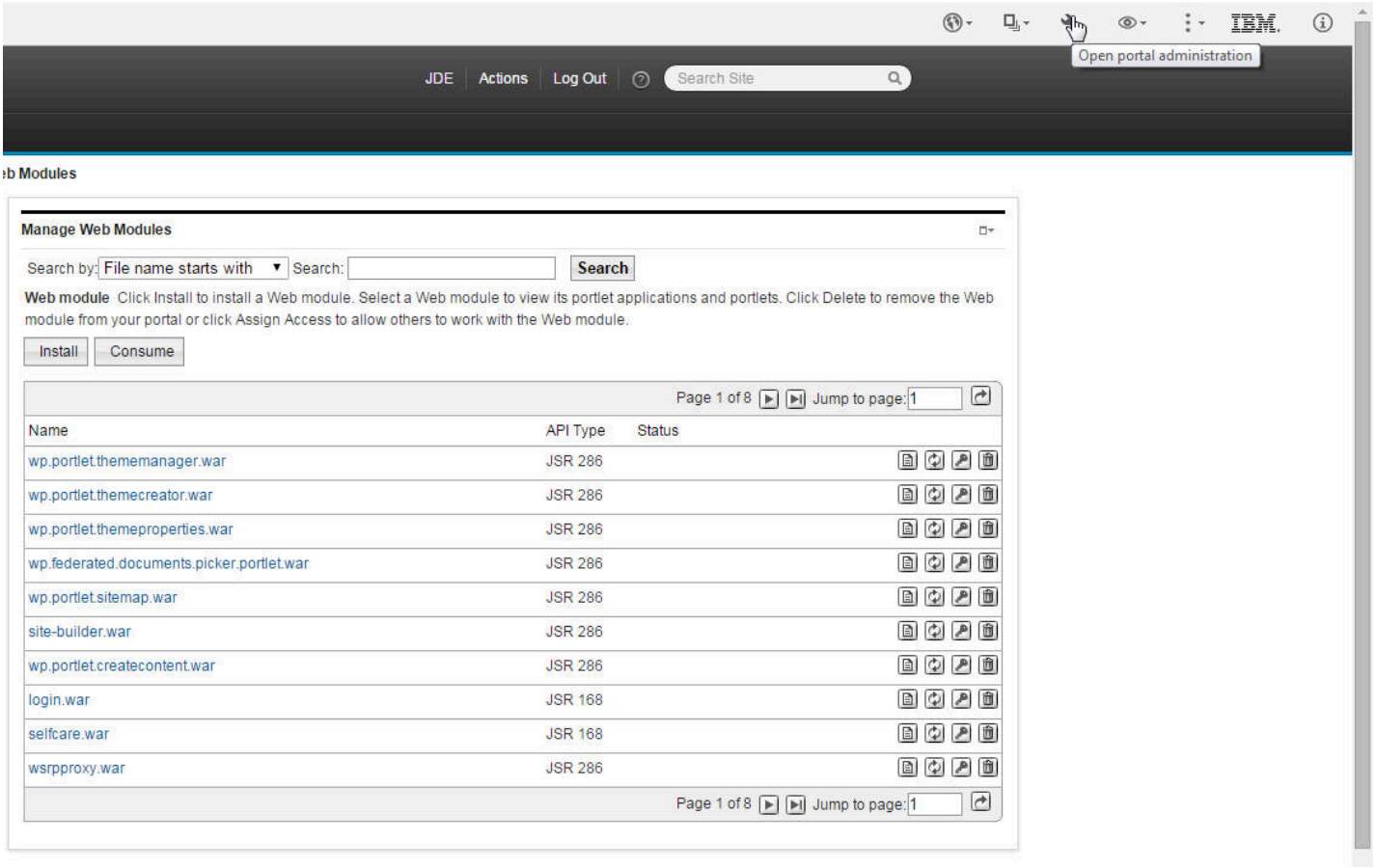
This also means that other means of compression cannot be used on the JAS WSRP producer instance (for example compression by means of HTTP Server ...etc.).

Registering a New Non-SSL WSRP Producer

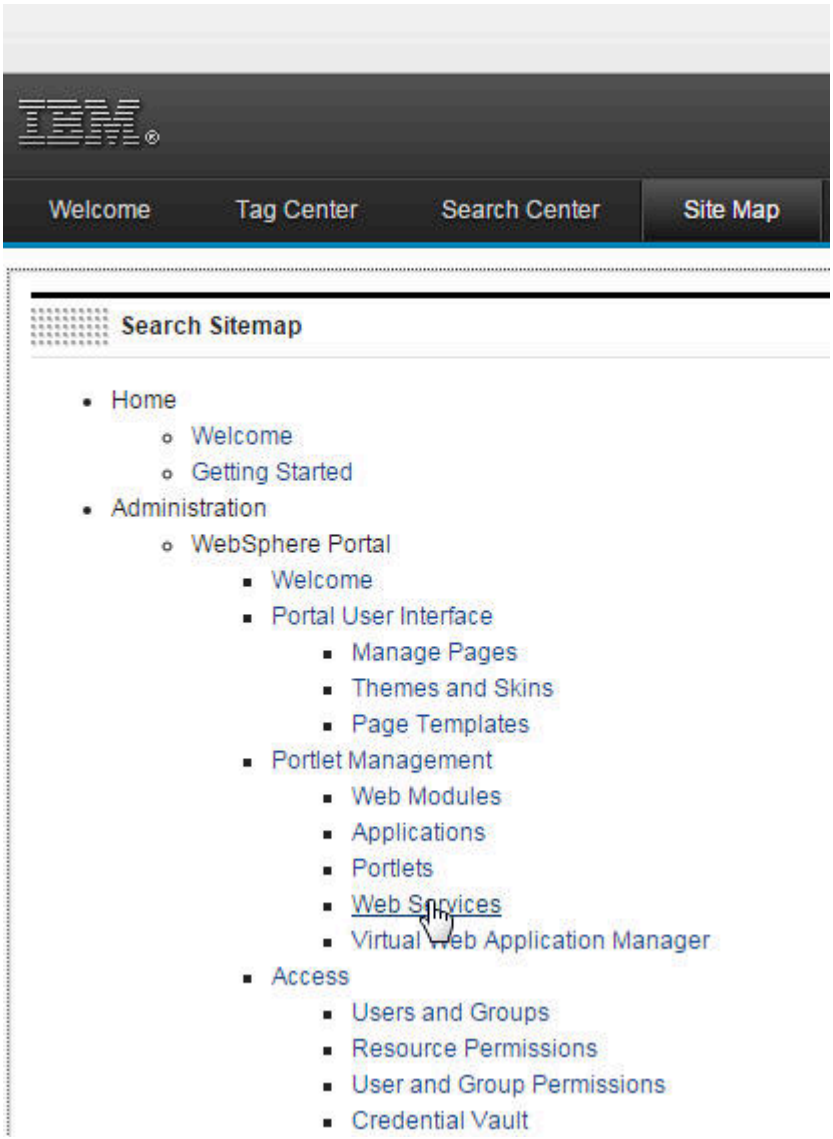
To register the WSRP Producer:

IBM
Welcome
Tag Center
Search Center
Site Map
Search Sitemap
Home
Welcome
Getting Started
Administration
WebSphere Portal
Welcome
Portal User Interface
Manage Pages
Themes and Skins
Page Templates
Portlet Management
Web Modules
Applications
Portlets
Web Services
Virtual Web Application Manager
Access
Users and Groups
Resource Permissions
User and Group Permissions
Credential Vault
Portal Settings
Global Settings
Custom Unique Names
Supported Markups
Supported Clients
Import XML
Portal Content
Web Content Libraries
Syndicators
Subscribers
Feed Configurations
Feed Jobs
Search Administration
Manage Search
Portal Analysis
Theme Analyzer
Frequent Users
Enable Tracing
About IBM WebSphere Portal

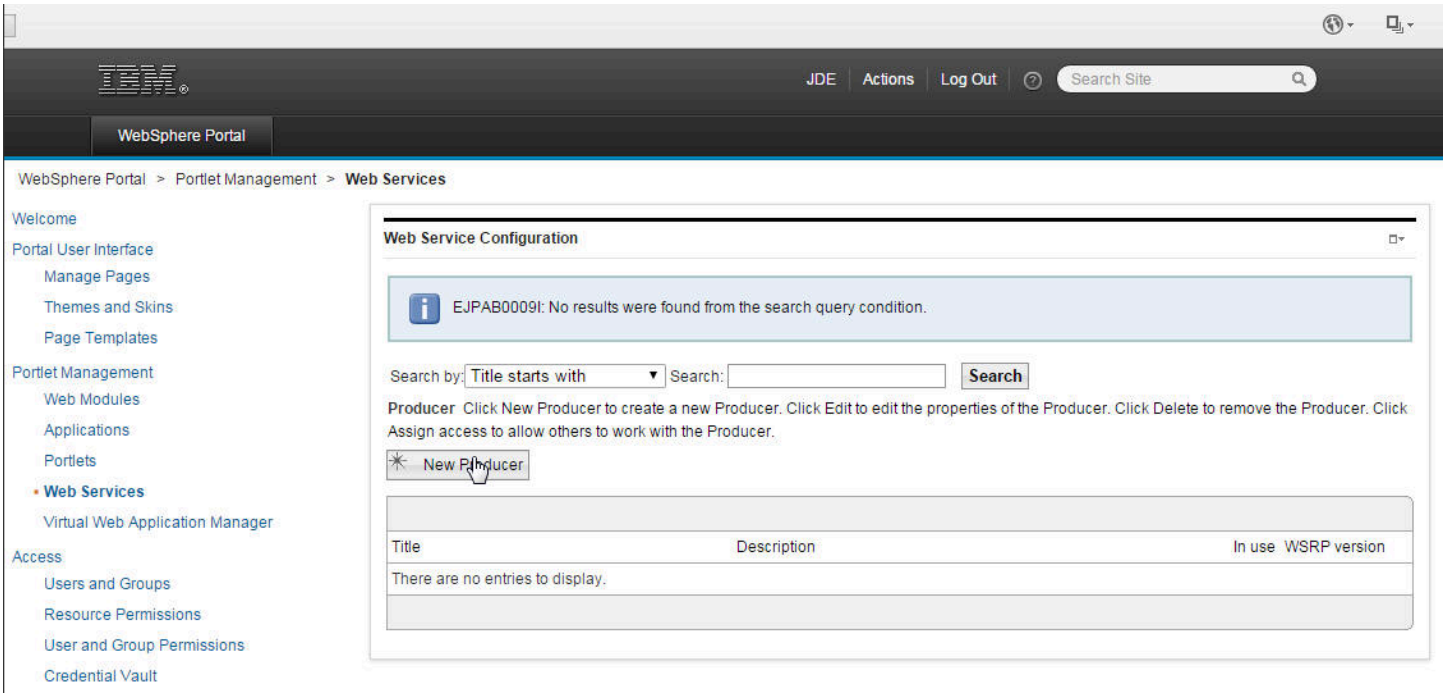
1. When the IBM WebSphere Portal is launched a Site Map will be available. Select WebSphere Portal located below Administration.



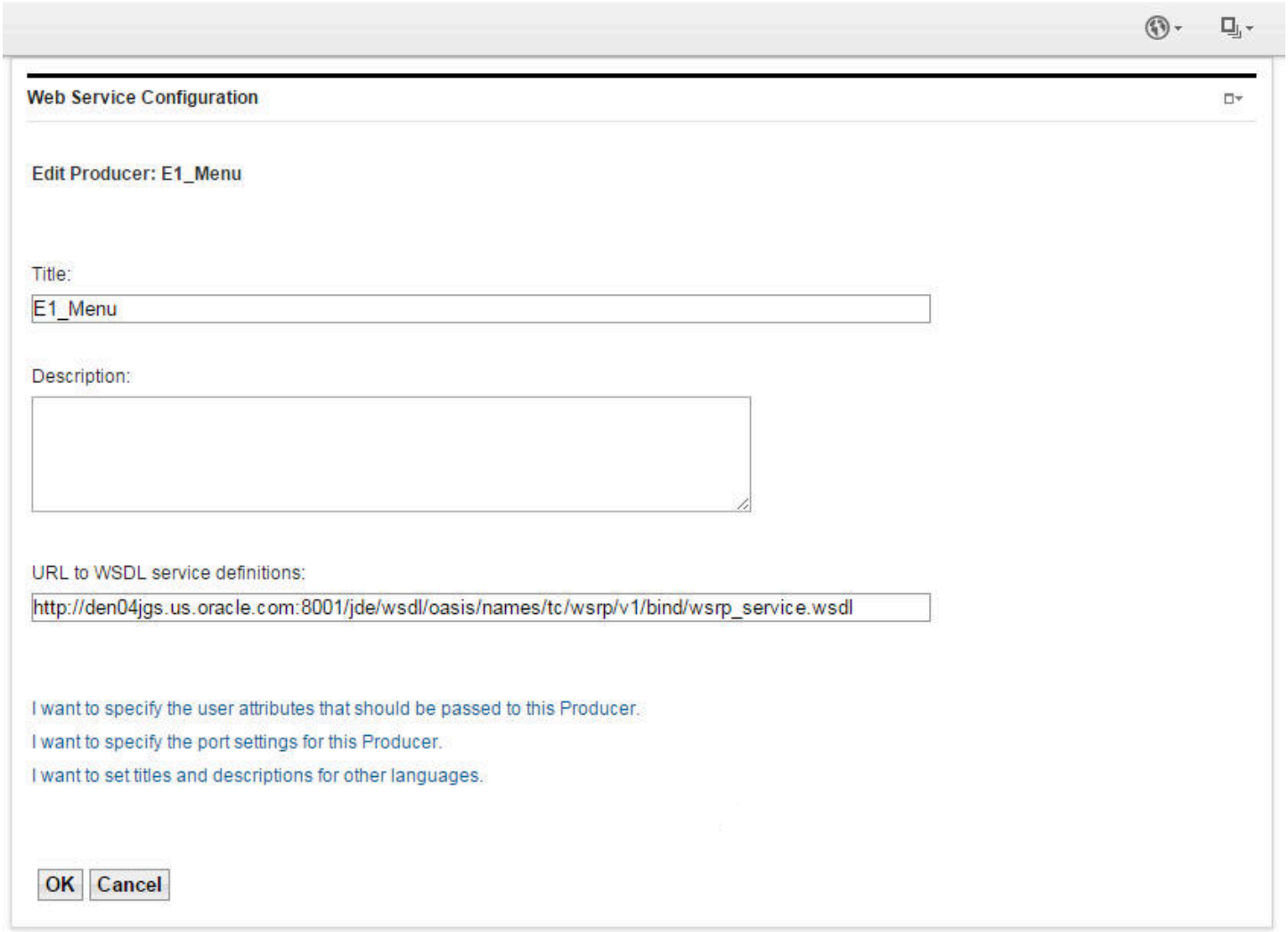
2. Select the Open portal administration icon located in the upper right side of the toolbar.



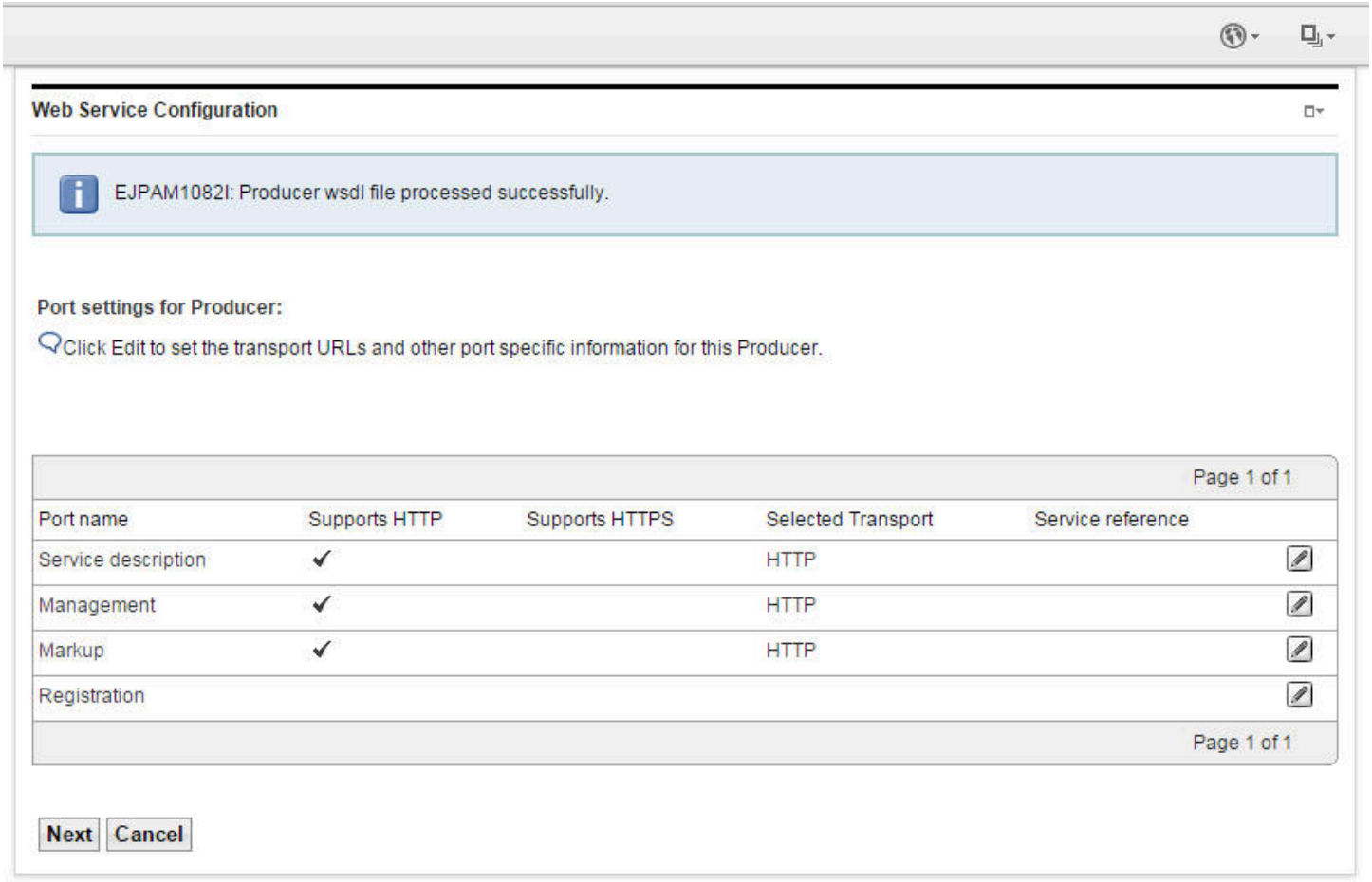
3. Next, click on Web Services located below Portlet Management.



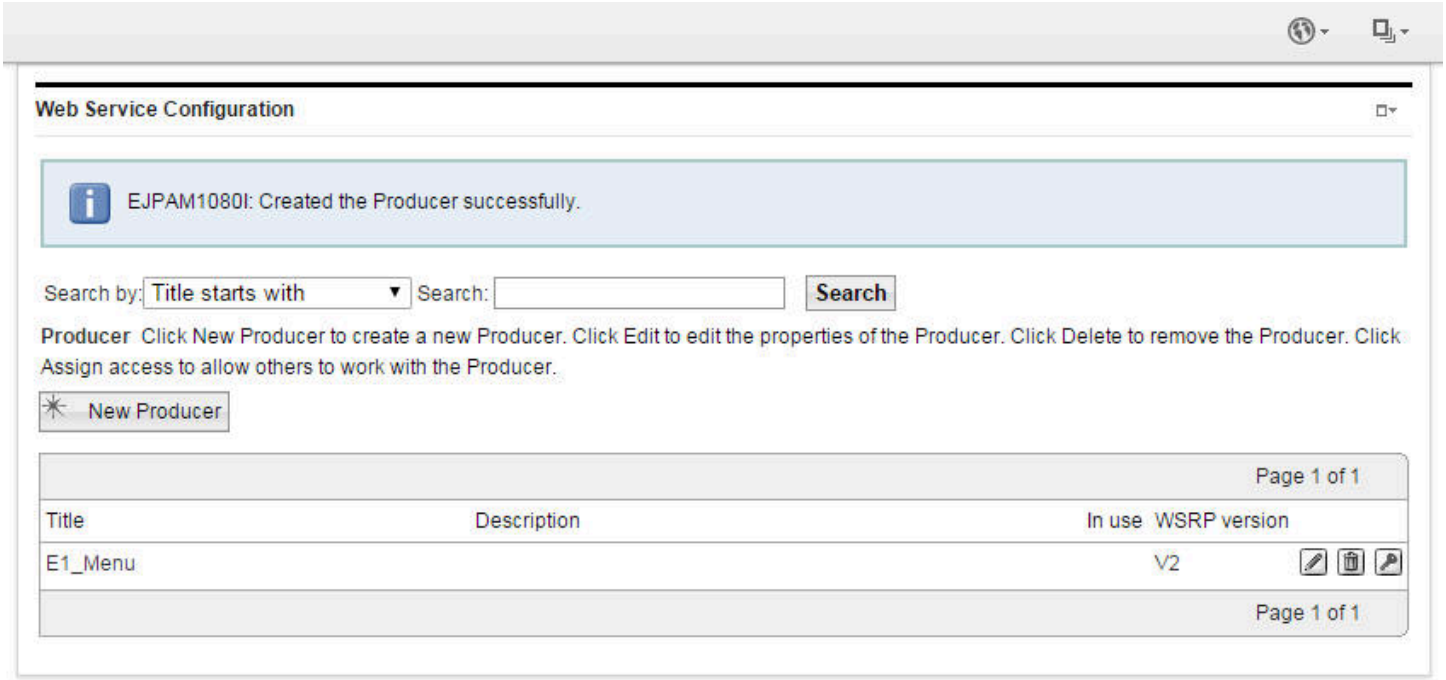
4. Click the New Producer button.



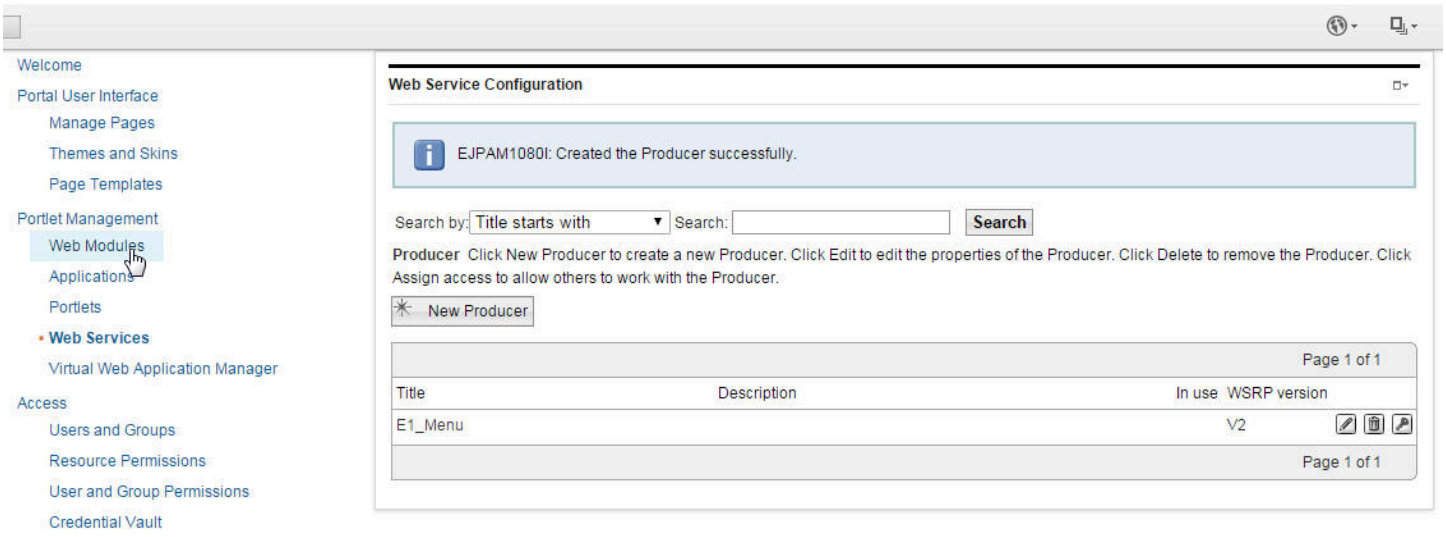
5. Verify or enter the Edit Producer URL. Click OK.



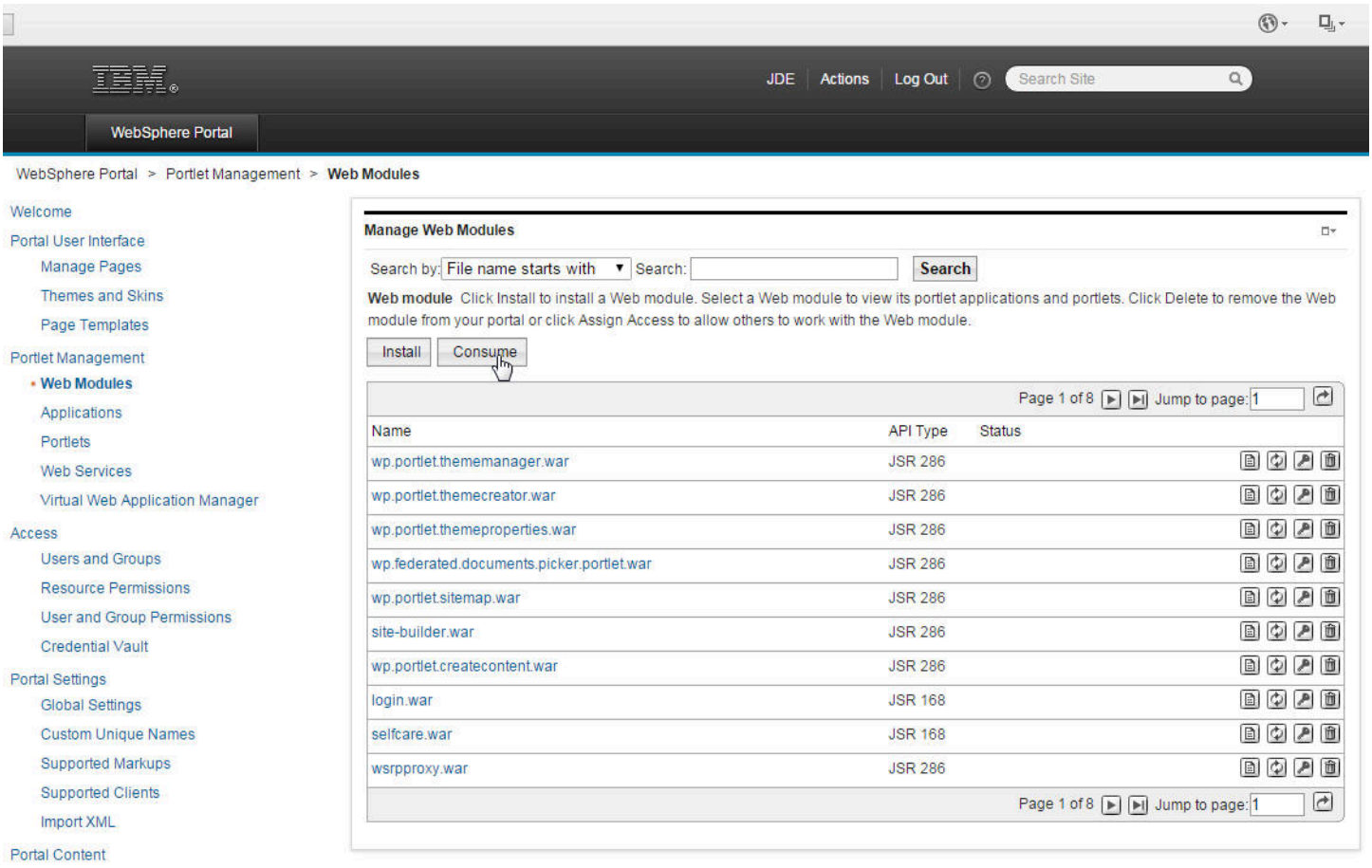
6. Click Edit to set the transport URLs and other port specific information for this Producer. Click Next.



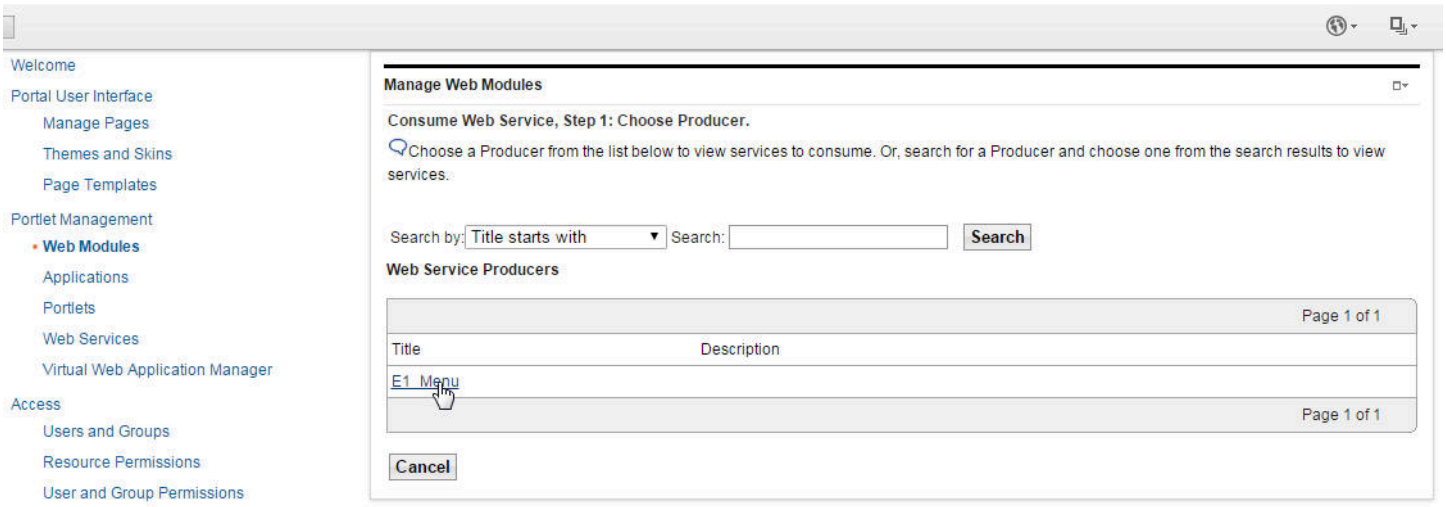
7. Add a New Producer if needed.



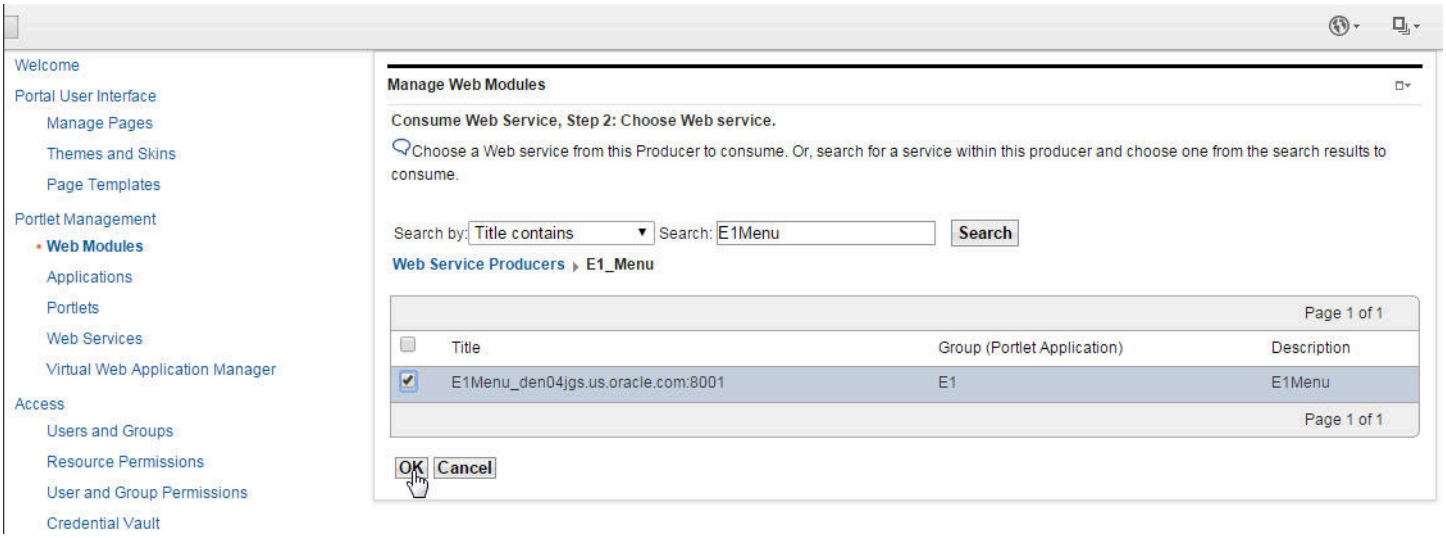
8. Select Web Modules below Portlet Management.



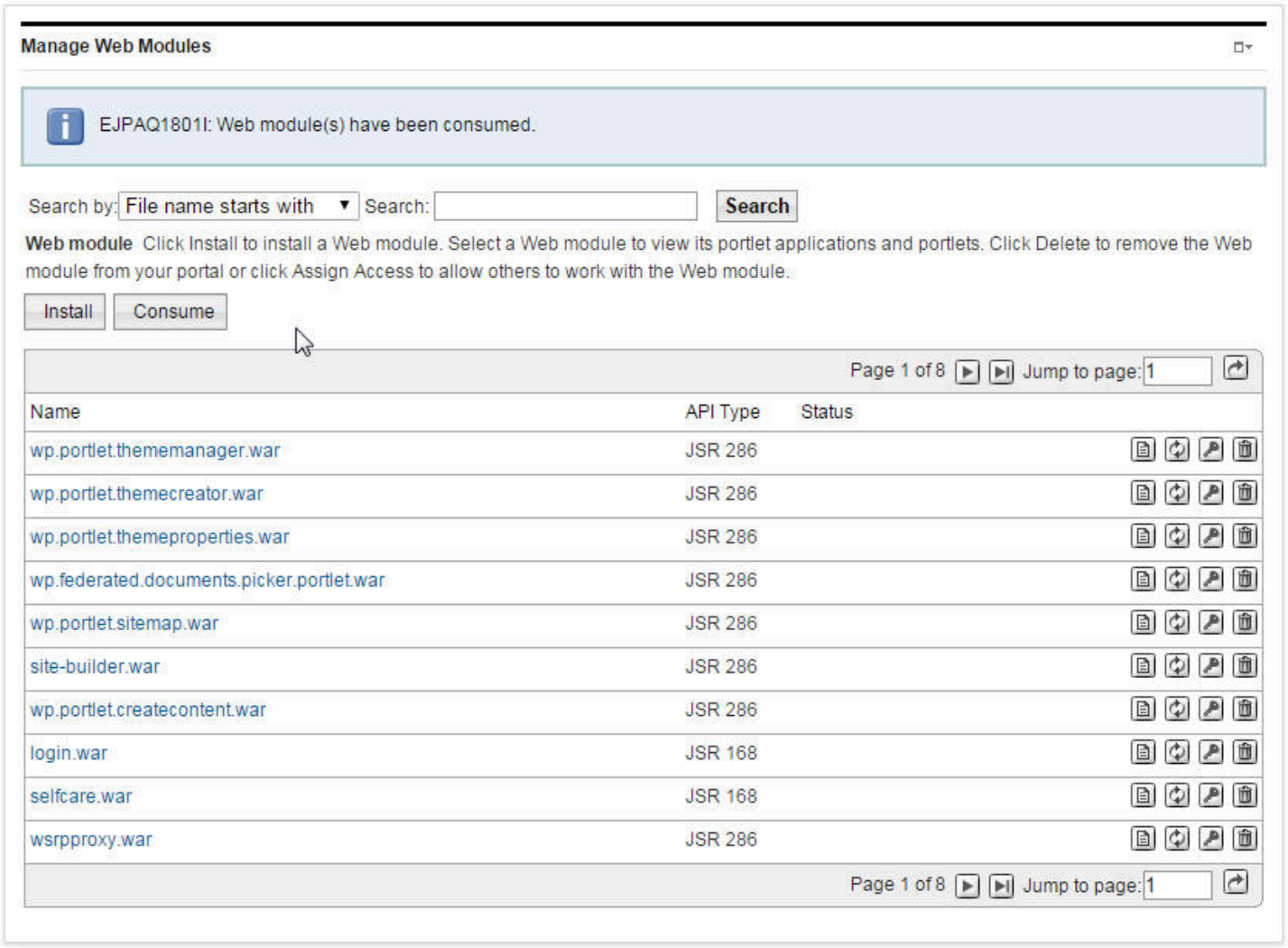
9. Click the Consume button.



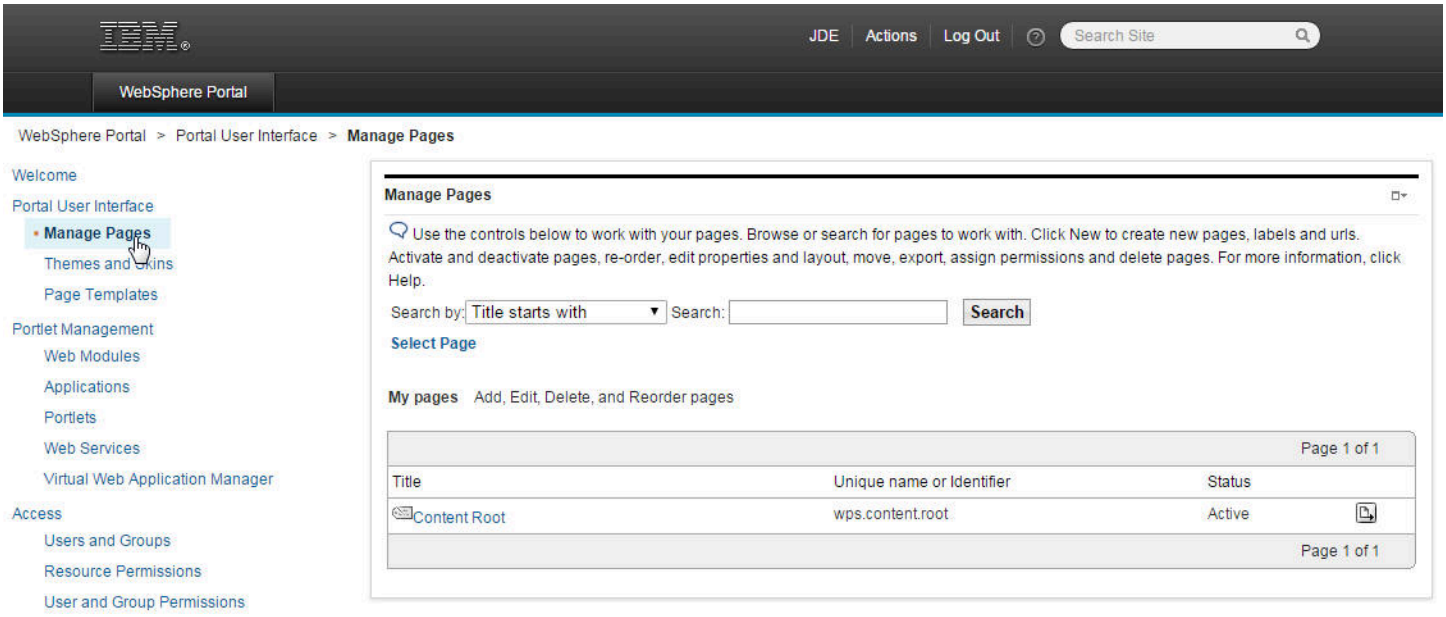
10. Click the E1_Menu hyperlink.



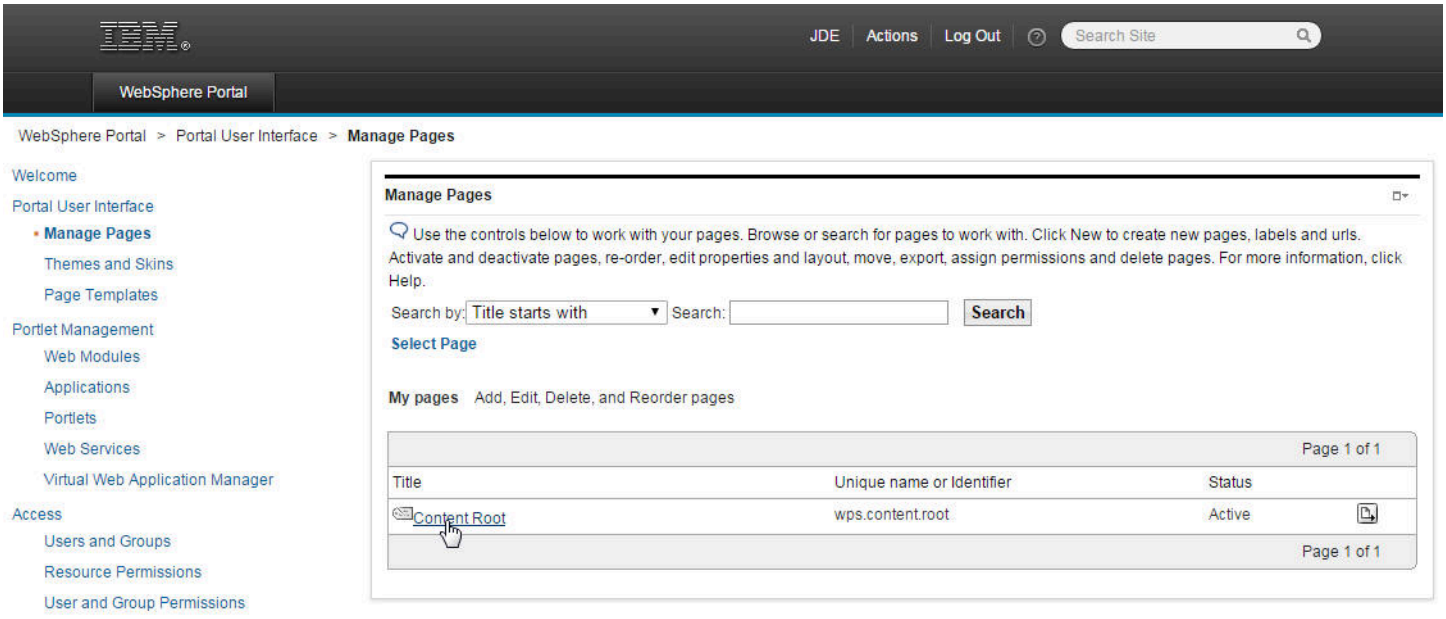
11. Click OK.


Manage Web Modules
EJPAQ1801I: Web module(s) have been consumed.
Search by: File name starts with
Search:
Search
Web module Click Install to install a Web module. Select a Web module to view its portlet applications and portlets. Click Delete to remove the Web module from your portal or click Assign Access to allow others to work with the Web module.
Install
Consume
Page 1 of 8
Jump to page: 1
Name
API Type
Status
wp.portlet.thememanager.war JSR 286
wp.portlet.themecreator.war JSR 286
wp.portlet.themeproperties.war JSR 286
wp.federated.documents.picker.portlet.war JSR 286
wp.portlet.sitemap.war JSR 286
site-builder.war JSR 286
wp.portlet.createcontent.war JSR 286
login.war JSR 168
selfcare.war JSR 168
wsrpproxy.war JSR 286
Page 1 of 8
Jump to page: 1

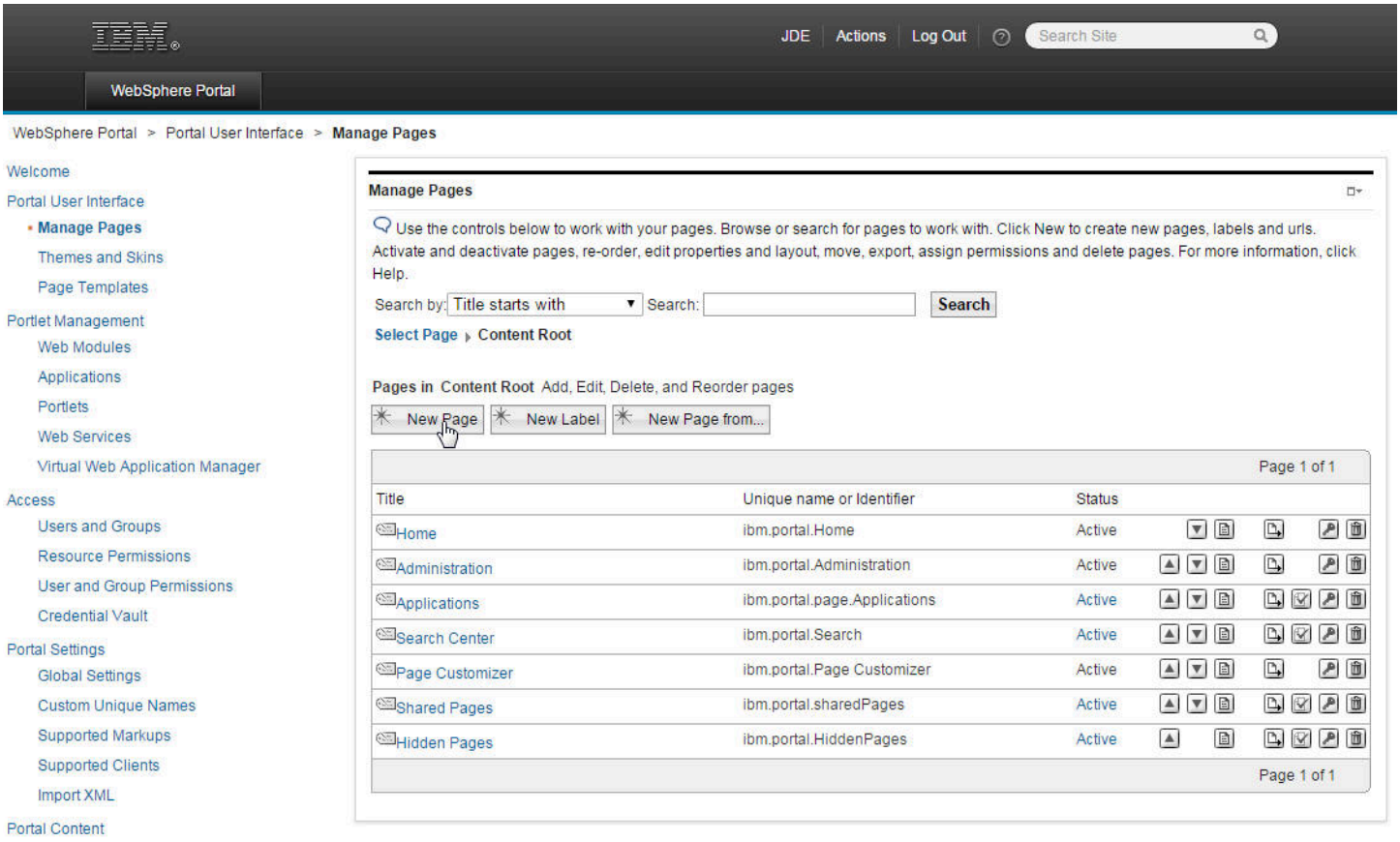
12. Click the Install icon to install a Web module. select a Web module to view its portlet applications and portlets. Click Delete to remove the Web module from your portal or click Assign Access to allow others to work with the Web module.



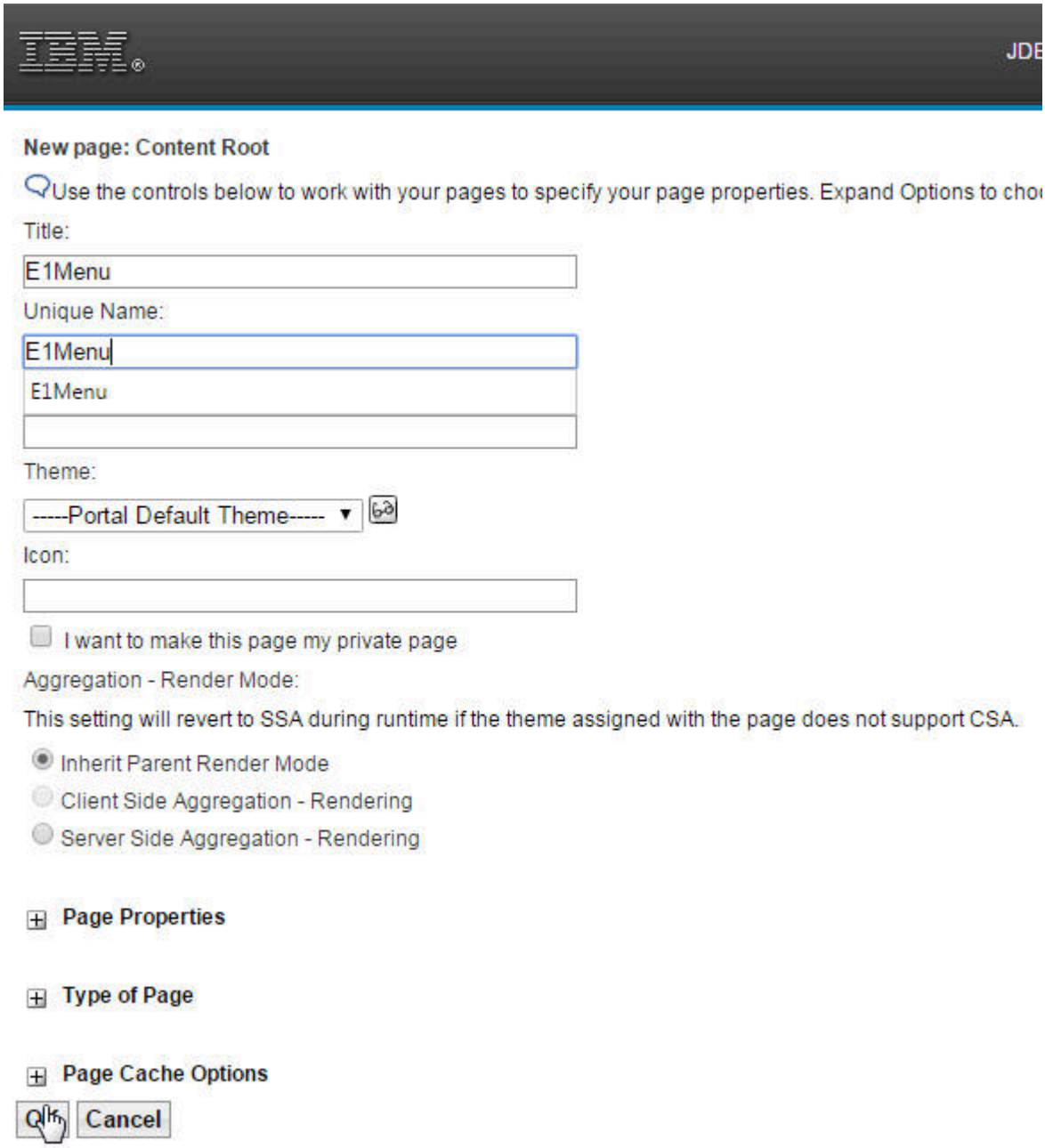
13. Click Manage Pages.



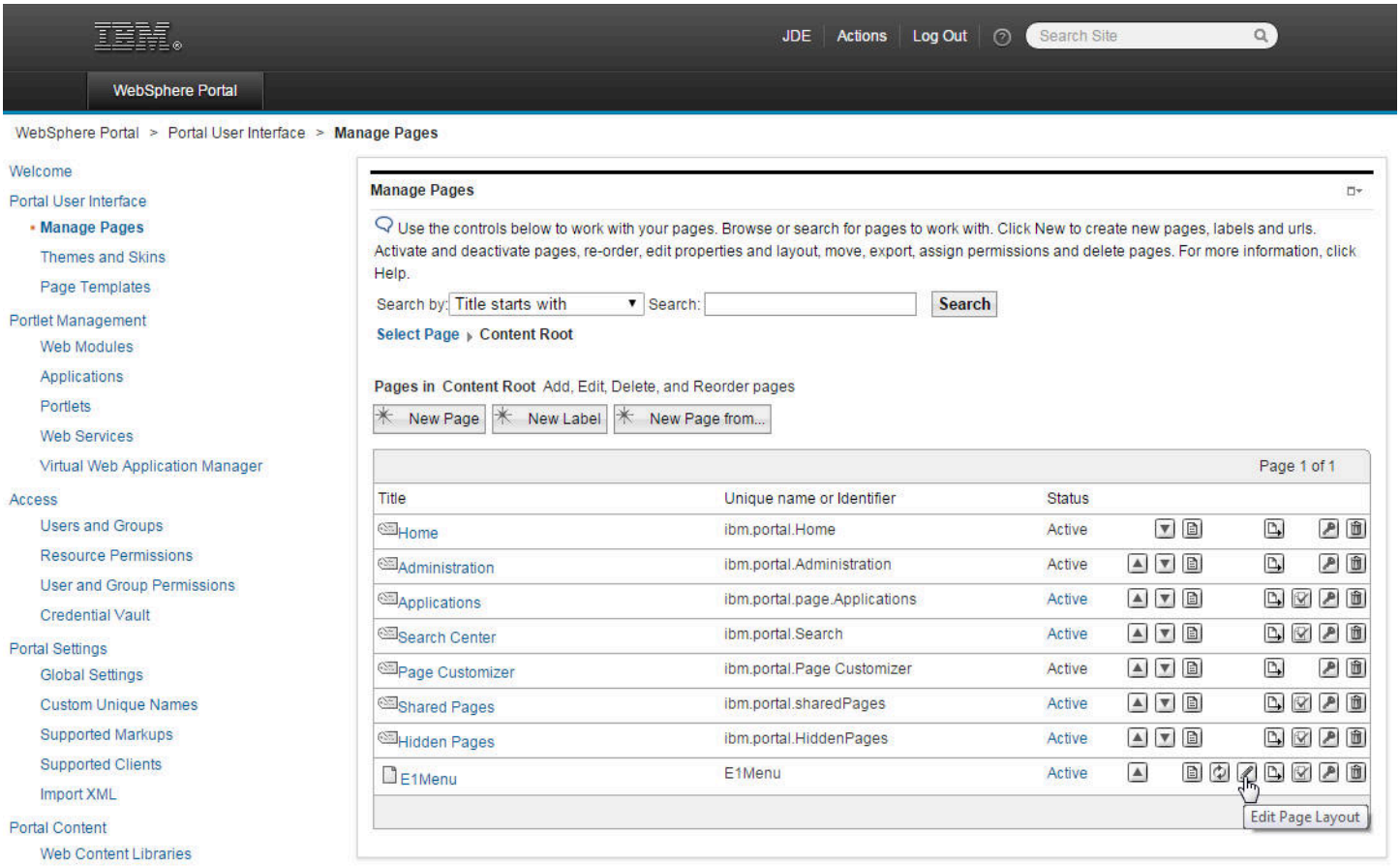
14. Click the Content Root Hyperlink.



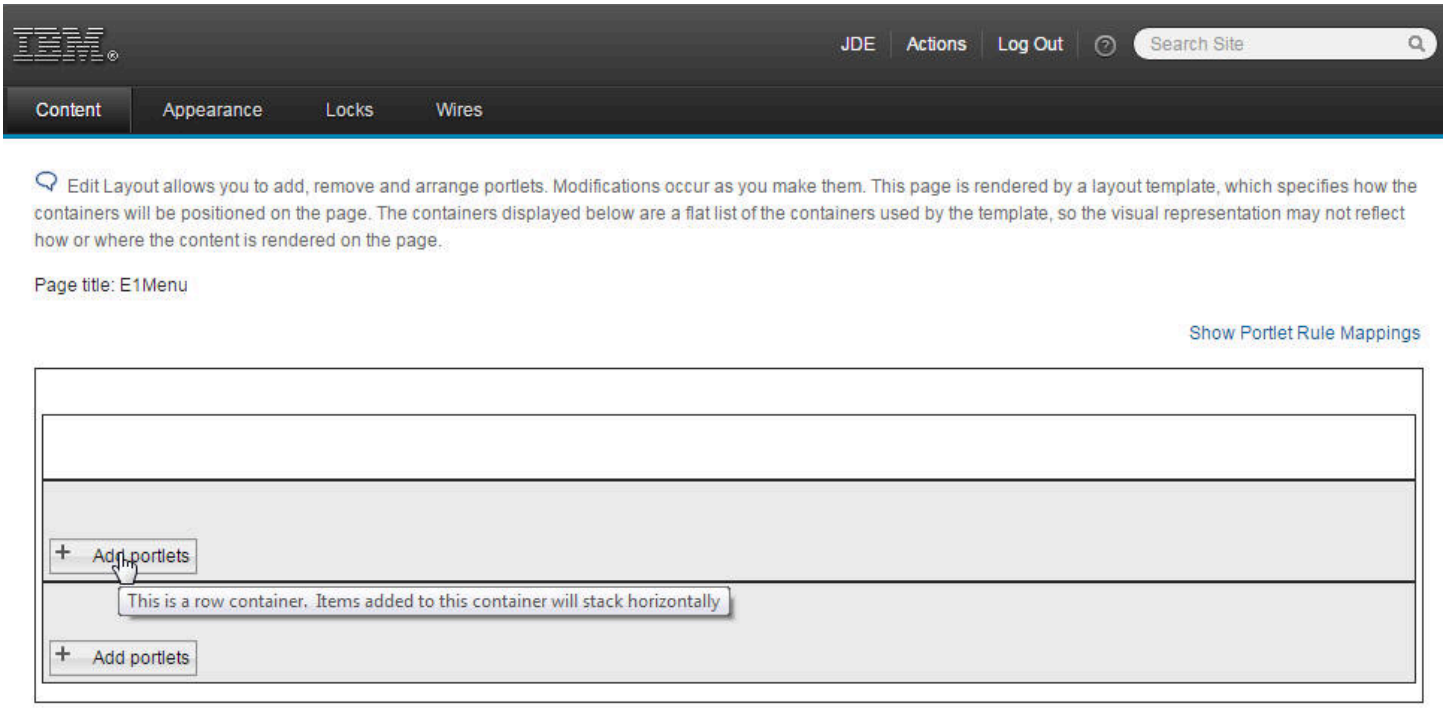
15. Click the New Page button.



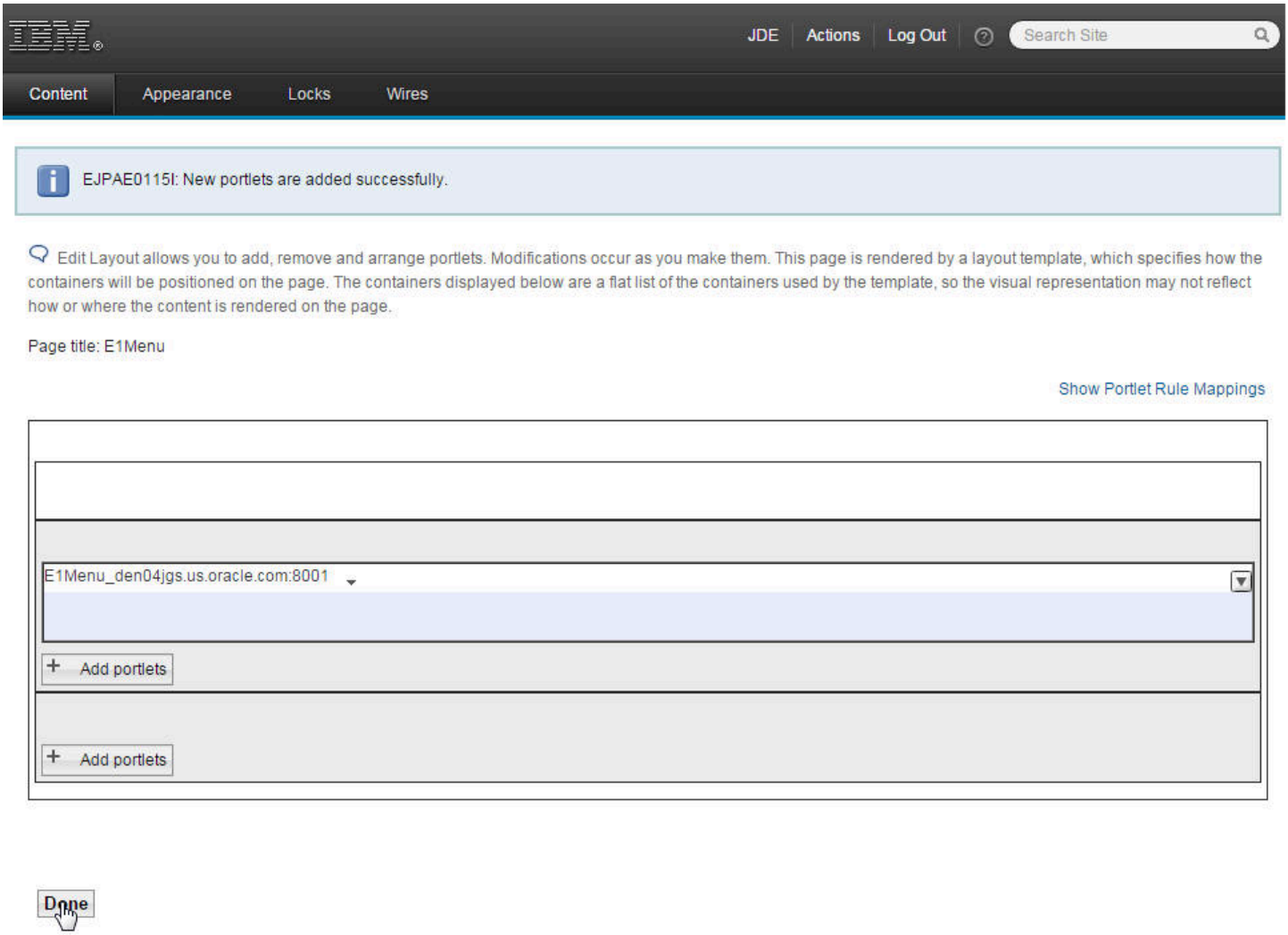
16. Fill in the Title and a Unique Name fields and then click the OK button.



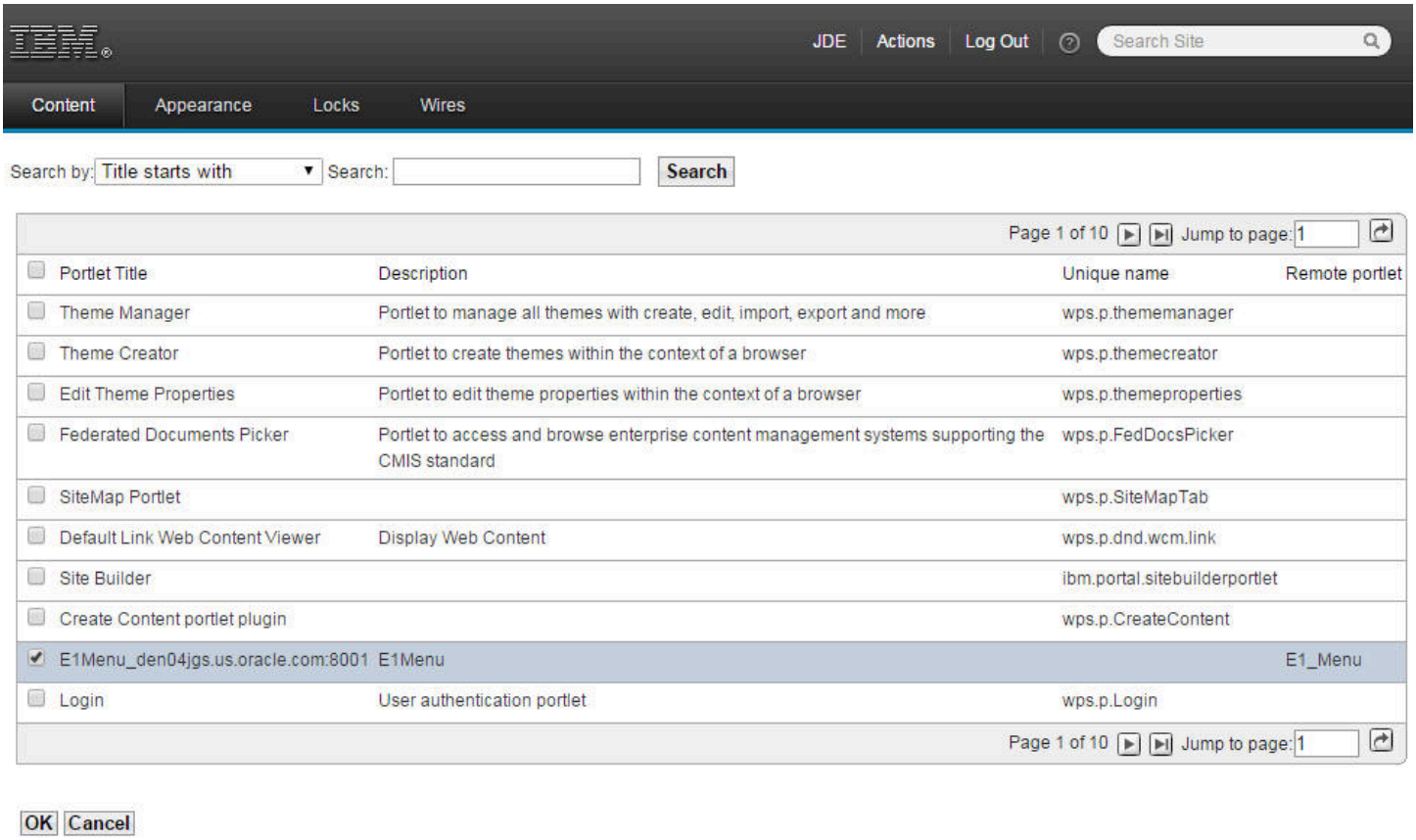
17. Click the Edit Page Layout icon.



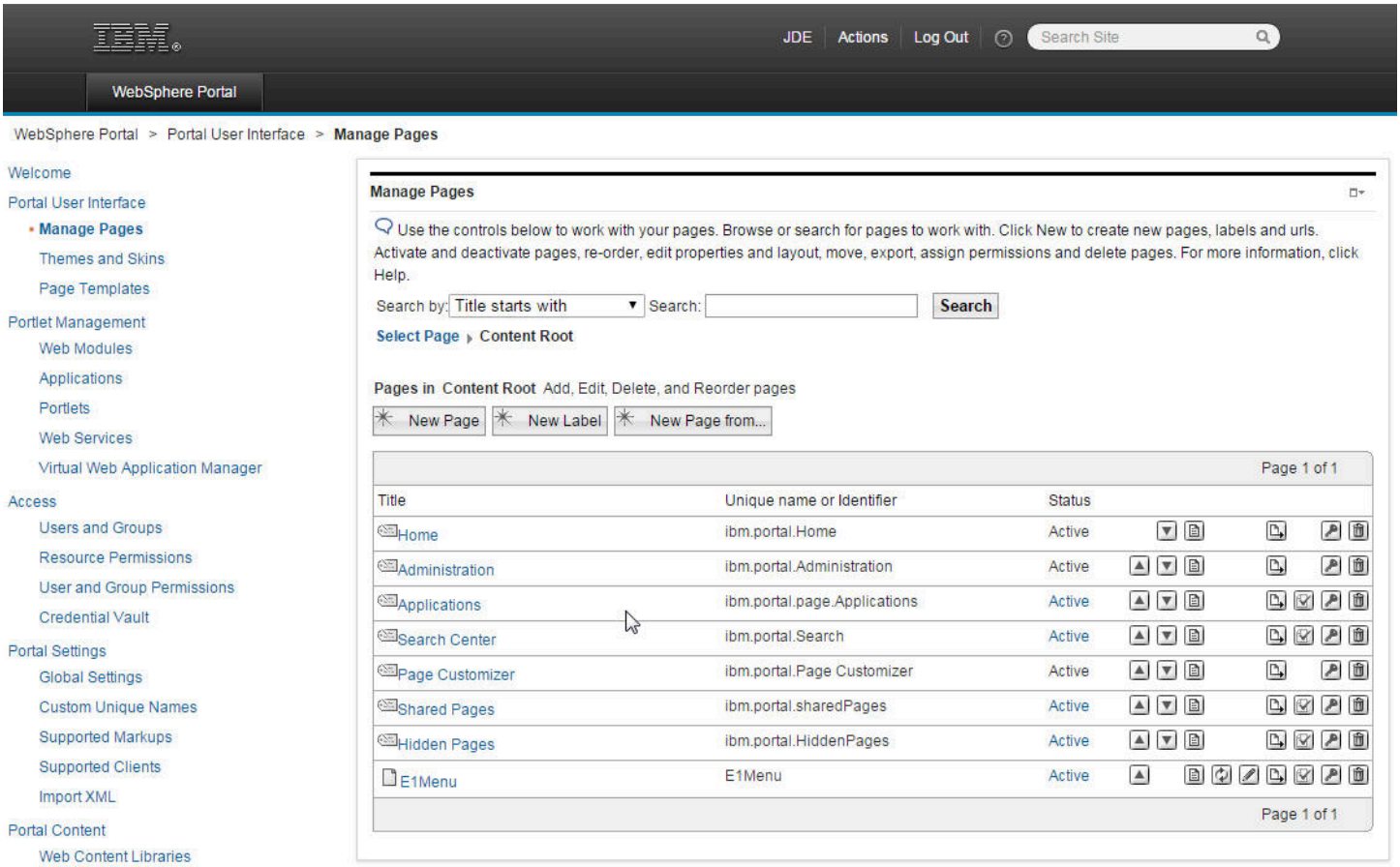
18. Click the Add Portlets button.



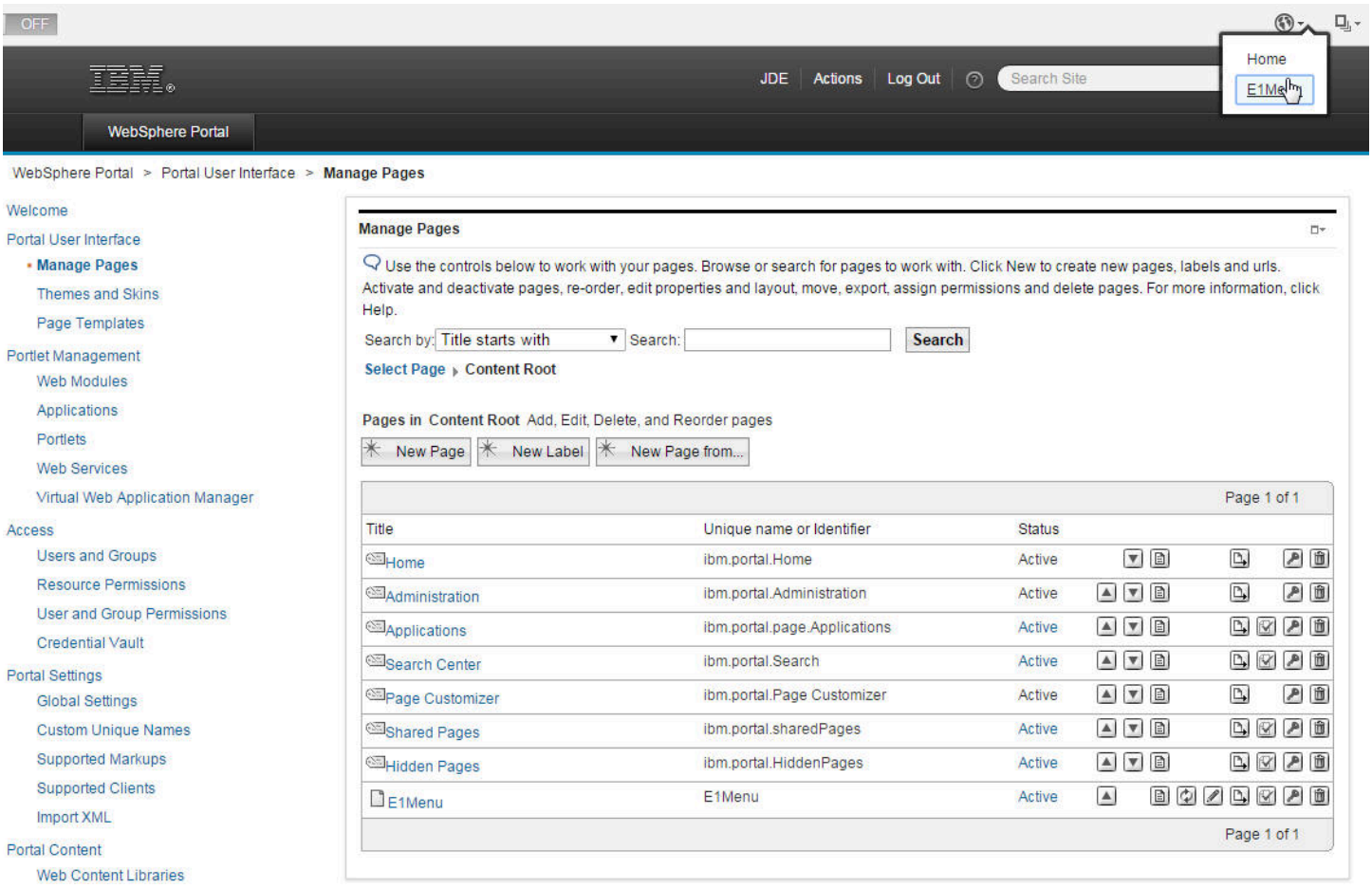
19. When you have added the portlets that you need, click the Done button.



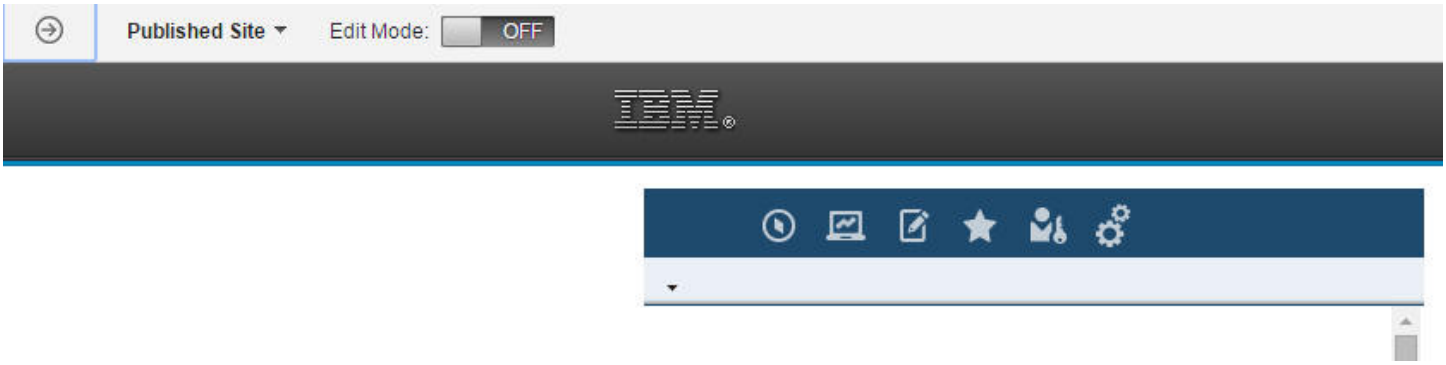
20. Select the E1 Menu and click OK.



21. The Manage Pages screen will display.



22. Select E1 Menu from the dropdown menu in the upper right area of the toolbar.



23. The E1 Menu icons will display.

This completes the successful registration of the WSRP Producer.

Registering a New SSL WSRP Producer

This section will discuss the prerequisites and the steps to register a new SSL WSRP producer.

Before You Begin

1. If you have configured an SSL protocol in your producer, make sure the https URL is working correctly.
2. Modify the "soap:address location" with the SSL URL in the wsrp_service.wsdl file in ../webclient.war/wsdl/oasis/names/tc/wsrp/v1/bind folder.

```
<wsdl:service name="WSRPService">
    <wsdl:port binding="bind:WSRP_v1_Markup_Binding_SOAP" name="WSRPBaseService">
        <soap:address location="https://DENQAS4:92/jde/services/WSRPBaseService"/>
    </wsdl:port>
    <wsdl:port binding="bind:WSRP_v1_ServiceDescription_Binding_SOAP" name="WSRPServiceDescriptionService">
        <soap:address location="https://DENQAS4:92/jde/services/WSRPServiceDescriptionService"/>
    </wsdl:port>
</wsdl:service>
```

3. Login to the WebSphere Portal Integrated Solution Console.
4. Select "SSL certificate and key management" from the "Security" section.
5. Click "key Stores and certificates" -> "NodeDefaultTrustStore" -> "Singer certificates".
6. Click "Retrieve from port".
7. Enter the SSL server and port, and then enter an Alias for this key.
8. Click the "Retrieve singer information" button.

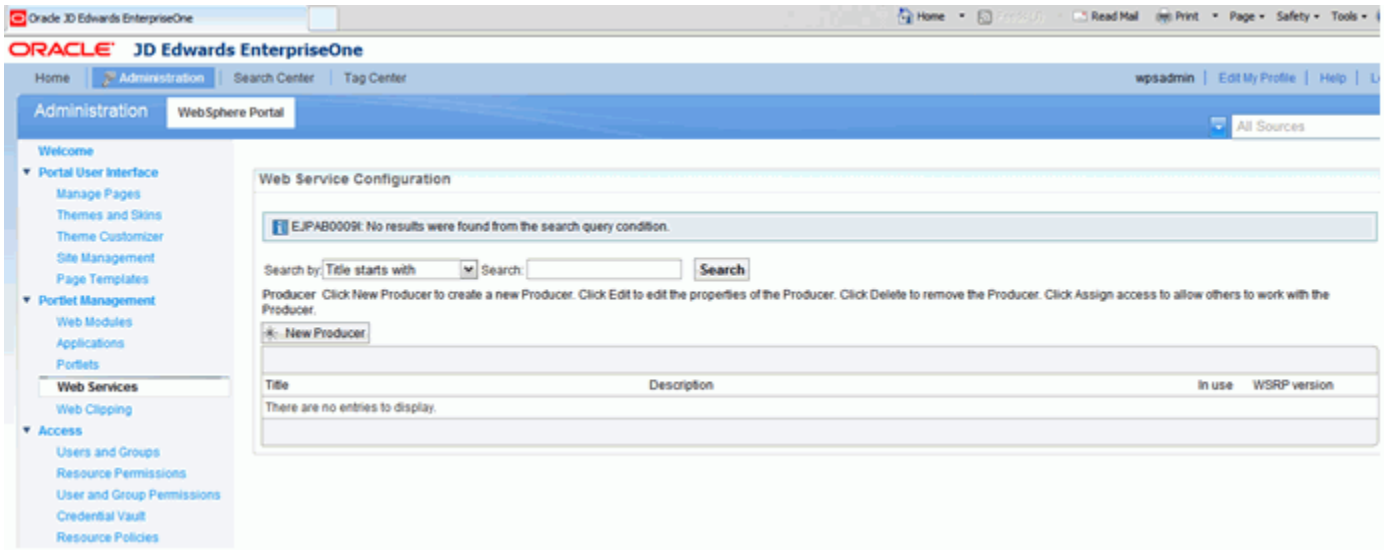
   Note: If the Portal Server cannot retrieve the certificate automatically, you can export and save the producer's certificate in "Base_64 encoded X.509" format to ../WebSphere/wp_portal/etc folder. Then select the "Add" button from "Signer certificate" option. Enter the Alias and the certificate file name and click "Apply".

9. Review the certification information and click "OK".

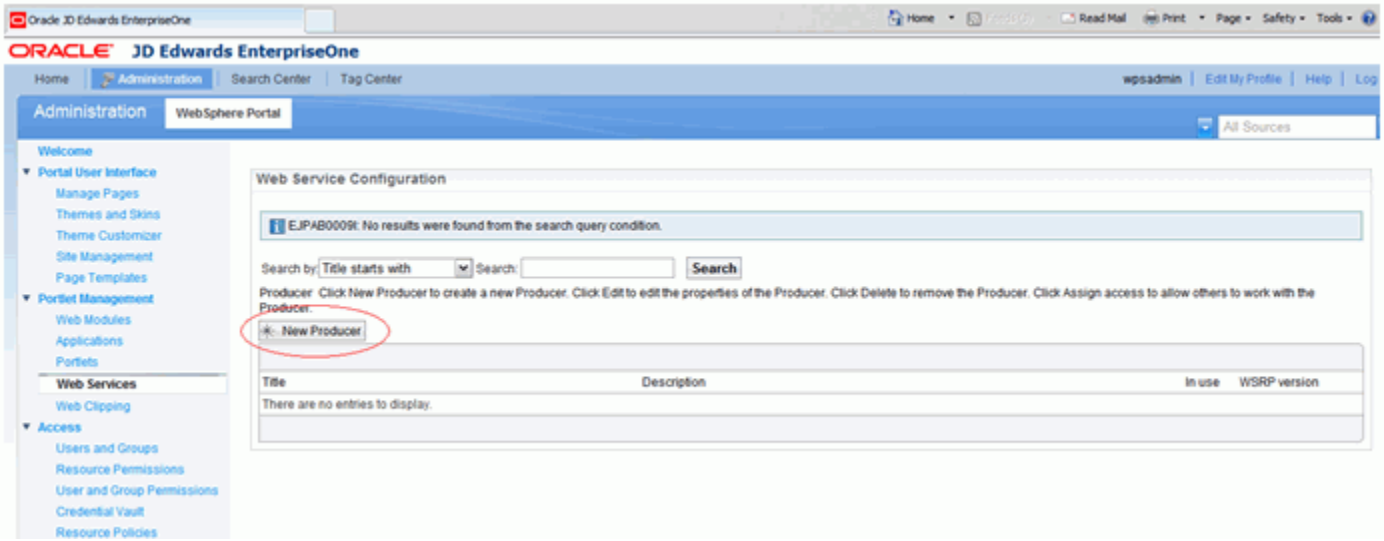
10. Click "Save" to update the master configuration.

Register a New SSL WSRP Producer

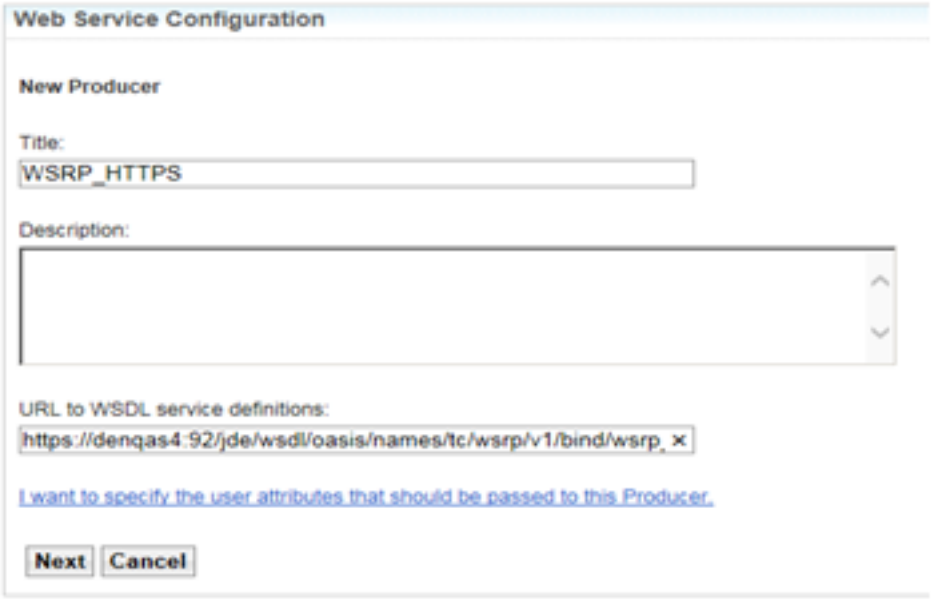
1. Login to the WebPort Portal Server with Administrator privilege.
2. Click on the "Web Services" link from the Portlet Management portlets.



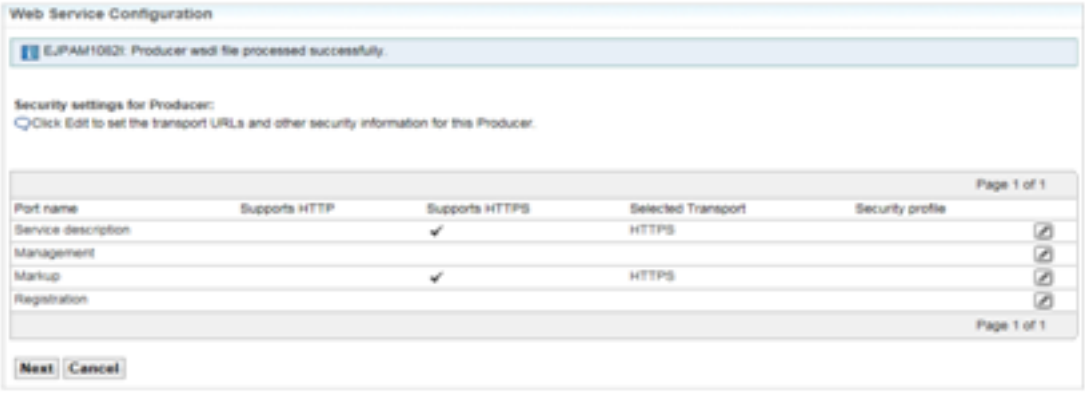
3. Click the New Producer button.



Type in a Title for the producer and the URL to WSDL service definitions. The URL is of the following format:
`https://<Producer_JAS_Host>:<Producer JAS Port>/jde/wsdl/oasis/names/tc/wsrp/v1/bind/wsrp_service.wsdl`



4. Click the Next button again to proceed.



5. The new producer will display in the list once it is registered.

4 Glossary

B2B

Abbreviation for business-to-business.

B2C

Abbreviation for business-to-consumer.

B2E

Abbreviation for business-to-employee.

web service

A web service is a software system designed to support communication between two electronic devices over a network.

WSRP

Abbreviation for Web Services for Remote Portlets.

WSRP Consumer

The WSRP Consumer is a web service client that invokes producer-offered WSRP web services and provides an environment for users to interact with portlets offered by one or more producers.

WSRP Producer

The Producer is a web service that offers one or more portlets and implements various WSRP interfaces and operations. In the JD Edwards EnterpriseOne solution, the JD Edwards EnterpriseOne HTML Web Server is the WSRP producer