

# 5722-XH2 V5R3 iSeries Access for Web

## *IBM WebSphere Portal Enable for Multiplatforms V5.1 - Setup/Configuration Example*

**First Edition (August 2005)**

This edition supplements the V5R3 iSeries Access for Web InfoCenter documentation.

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## About this information

The information in this document is a supplement to the information available in the IBM iSeries InfoCenter documentation.

The V5R3 iSeries Access for Web InfoCenter documentation is available in various language translations from the iSeries Access for Web website: <http://www.ibm.com/servers/eserver/series/access/web/>

The V5R3 iSeries Access for Web InfoCenter documentation covers topics such as:

- Licensing information
- An installation/setup checklist that addresses:
  - o Hardware/Software/web browser requirements.
  - o Installation of iSeries Access for Web to the iSeries server.
  - o Verification of PTFs.

- Configuration of iSeries Access for Web for the web environment on the iSeries server.
- Using iSeries Access for Web
- Administration and customization of iSeries Access for Web

iSeries Access for Web support for IBM WebSphere Portal Enable for Multiplatforms V5.1 was added after the V5R3 iSeries Access for Web InfoCenter documentation was written. This document was written to address the IBM WebSphere Portal Enable for Multiplatforms V5.1 environment. The reader should assume this document supersedes all of the information in the V5R3 iSeries Access for Web InfoCenter documentation, except for the Licensing information.

### **General information**

- You should read this information if you want to learn how to deploy iSeries Access for Web portlets to the IBM WebSphere Portal Enable for Multiplatforms V5.1 web environment.
- iSeries Access for Web only supports IBM WebSphere Portal Enable for Multiplatforms V5.1 when it is deployed on an iSeries.
- This information assumes that the system administrator will install and configure the iSeries server.
- In order to configure the iSeries server, you need a security level of Security Officer (\*SECOFR). This is the highest level of security on the iSeries server.
- Familiarity with the iSeries server is strongly recommended.
- Familiarity with the iSeries server web-serving environment is strongly recommended.
- Installation and configuration is necessary only on the iSeries server. Workstations only require a connection to the iSeries server and a web browser.
- V5R3 iSeries Access for Web requires V5R2 and later OS/400 iSeries servers.

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## **Getting Started**

### **License Information**

iSeries Access for Web is a licensed program product. All components of iSeries Access for Web require an iSeries Access (5722-XW1) license before you can use them.

For more information, refer to the V5R3 iSeries Access for Web InfoCenter documentation which is available in various language translations from the iSeries Access for Web website:

<http://www.ibm.com/servers/eserver/series/access/web/>

### **Overview**

To begin using iSeries Access for Web portlets, the portal environment must be setup on the iSeries server. The sections below will help guide you through the required steps. Some of the steps will be documented in detail in the sections below, but other steps will guide you to obtain information outside this document.

The steps to setup the portal environment include:

- Installing V5R3 iSeries Access for Web, or upgrading a previous release, on your iSeries server.
- Setup IBM WebSphere Portal Enable for Multiplatforms V5.1 on your iSeries server.
- Configuring iSeries Access for Web portlets.
- How to start using the portlets.

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## **Deploying iSeries Access for Web**

The information below will guide you through the process of setting up the IBM WebSphere Portal Enable for Multiplatforms V5.1 environment and deploying iSeries Access for Web to that environment.

Follow the sections in the order outlined below.

### **Install iSeries Access for Web to the iSeries server**

The iSeries Access for Web licensed program product must be installed on the iSeries server before it can be configured for the WebSphere Portal environment.

The V5R3 iSeries Access for Web Readme documentation contains the detailed information you need to install or upgrade iSeries Access for Web. You can find the Readme documentation at:

<http://www.ibm.com/servers/eserver/iseries/access/web/v5r3readme.html>

When you reach the topic “Configure iSeries Access for Web” in the Readme documentation, return to this document. This document will address the configuration steps required for the IBM WebSphere Portal Enable for Multiplatforms V5.1 web environment.

Please refer to the Readme information before proceeding to the next topic.

### **Setup IBM WebSphere Portal Enable for Multiplatforms V5.1**

The WebSphere Portal InfoCenter contains the information you need to deploy WebSphere Portal and get it running on your iSeries server. The WebSphere Portal InfoCenter can be accessed at:

<http://publib.boulder.ibm.com/infocenter/wp51help/index.jsp>

Topics in the WebSphere Portal InfoCenter walk you through the process of helping you understand what Portal is, the planning necessary before deploying WebSphere Portal on your iSeries server, and finally the installation and configuration. If you already have WebSphere Portal running on your iSeries server, you can proceed to the next topic.

The WebSphere Portal InfoCenter topics to review are:

#### **Product overview**

This section provides overview information about WebSphere Portal. Included in this section is a list of new features, a description of the product, an overview of its main components, and information about what each component provides to the overall solution.

#### **Planning**

The information in this planning section is designed to help you understand WebSphere Portal as a solution. Multiple software components are shipped with WebSphere Portal, and you can use this

planning section to understand the topologies and installation approaches that are possible. Both general and specific information about planning your WebSphere Portal solution is provided.

## **Installing**

WebSphere Portal includes many products and components that you assemble to suit your specific business needs. The topics listed in this section of the Information Center provide you with detailed planning, installing, configuring, and verifying information to help you set up your environment. The information does not prescribe an installation but allows you to build an environment that is right for you.

In the Installing section, the configuration of WebSphere Portal is performed. The recommended method for configuring WebSphere Portal is to use the IBM Web Administration for iSeries interface. IBM Web Administration for iSeries includes a WebSphere Portal configuration wizard that simplifies configuration of WebSphere Portal and its core components by automatically detecting system information, suggesting commonly used values, and presenting information in step-by-step graphical format.

The portal configuration wizard helps you create a production-level portal environment by walking you through the following:

- HTTP server creation and configuration
- Creation of a new WebSphere Application Server instance
- Portal configuration (includes adding WebSphere Portal to the WebSphere Application Server instance)
- DB2 database configuration
- Portlet deployment
- LDAP
- Configuration of Lotus Collaborative Components

The wizard is designed to handle a range of common WebSphere Portal configurations, but not all possible configurations. However, you can always adjust your configuration after using IBM Web Administration for iSeries by manually running WebSphere Portal configuration tasks.

The configuration of iSeries Access for Web portlets and pages has been integrated into the WebSphere Portal configuration wizard. The previous topic instructed you to install iSeries Access for Web on your iSeries server. If the WebSphere Portal configuration wizard detects the iSeries Access for Web product is installed on the iSeries server, a wizard page will be displayed which allows you to specify what Default Portlets to deploy. **iSeries Access portlets** will be a selectable option in the list of portlets to deploy. If you would prefer to deploy the iSeries Access for Web portlets at a later time, a section below tells you how to do that.

If your version of IBM Web Administration for iSeries does not yet support configuration of IBM WebSphere Portal Enable for Multiplatforms V5.1, follow the setup instructions in the Portal InfoCenter, which will guide you through configuring an instance using both the installation program as well as manual configuration.

Refer to the InfoCenter information and install and configure WebSphere Portal before proceeding to the next topic.

## **Configure iSeries Access for Web portlets**

The previous topic mentioned that the WebSphere Portal configuration wizard provides an option to deploy the iSeries Access for Web portlets. If you did select that option, you can proceed to the next topic.

This section will discuss how to deploy, or configure, iSeries Access for Web portlets to a IBM WebSphere Portal Enable for Multiplatforms V5.1 configuration.

iSeries Access for Web provides a script command that is run within the Qshell environment to deploy the portlets. Use the steps below to run the command:

1. The WebSphere Portal environment must be running. This includes the HTTP server and the WebSphere Application Server in which WebSphere Portal was configured to run.
2. Sign on to a 5250 session. The user profile you use must have \*ALLOBJ special authority.
3. Run the server command:  
**DSPPTF 5722XH2**
4. Verify the following PTF is listed with a status of applied or superseded.  
**SI18964**
5. Run the server command:  
**QSH**
6. Run the server command:  
**cd /QIBM/ProdData/Access/Web2/install**
7. Run the server command:  
**cfgaccweb2 -appsvrtype \*WP51-wasinst <was\_instance\_name> -wpusrid <portal\_admin\_user> -wppwd <portal\_admin\_password> -wpurl <server\_name>:<port>/wps/config -wppag \*YES**

where:

- |             |  |
|-------------|--|
| -appsvrtype | Web application server type<br>*WP51 tells the command to configure for IBM WebSphere Portal Enable for Multiplatforms V5.1<br><br>This parameter is required.   |
| -wasinst    | Web server instance name<br>The name of the WebSphere Application Server instance that is running the WebSphere Portal environment.<br><br>If not specified, this parameter will default to use an instance name of "default". |
| -wpusrid    | WebSphere Portal user ID<br>Specifies the IBM WebSphere Portal administrative user ID that will be used to configure iSeries Access for Web within WebSphere Portal.   |

Changes to the WebSphere Portal configuration require a user ID be specified to make the changes. This is the same administrator level user ID that would

be used to login to the WebSphere Portal user interface to perform administrator level functions.

The user ID and password are sent to the server unencrypted using an HTTP connection. If the connection could be compromised, this command should only be run within a protected intranet environment.

This parameter is required.

**-wppwd**      WebSphere Portal password  
Specifies the password for the IBM WebSphere Portal administrative user ID specified for the WebSphere Portal user ID (wpusrid) parameter.

This parameter is required.

**-wpurl**      WebSphere Portal config URL  
Specifies the universal resource locator (URL) to access the WebSphere Portal configuration servlet. This servlet will add the necessary iSeries Access for Web configuration information to WebSphere Portal.

This URL is comprised of the following elements:

- The portal host name.
- The base universal resource identifier (URI) for the portal, as specified during WebSphere Portal installation (default value was '/wps').
- The servlet extension '/config'.

An example for this value would be:

server\_name.your\_company.com/wps/config

This parameter is required.

**-wppag**      Create iSeries Access pages  
This parameter tells the command to create pages within WebSphere Portal and add the iSeries Access for Web portlets to those pages.

Valid values are: \*YES, \*NO

Default value if not specified is: \*YES

Example invocation:

```
cfgaccweb2 -appsrvtype *WP51-wasinst portalinst -wpusrid wpsadmin -wppwd wpsadmin -wpurl  
myserver.com/wps/config -wppag *YES
```

Note: If your Portal server environment uses a port other than the default of 80, the -wpurl parameter would be set to "myserver.com:port/wps/config"

8. As the command runs, several messages will be displayed:

*Configuring iSeries Access for Web  
Preparing to perform the configuration changes.*

*Calling Portal Server to perform the configuration changes.*

*Refer to the following log file for additional success/failure information:*

*/QIBM/UserData/Access/Web2/wp51/<was\_instance>/logs/cfgwps51iwa.log*

*Refer to the following log file for additional success/failure information:*

*/QIBM/UserData/Access/Web2/wp51/<was\_instance>/logs/cfgwps51iwapage.log*  
*iSeries Access for Web command has completed.*

9. When the command completes, iSeries Access for Web has been deployed to WebSphere Portal.
10. Review the additional information section below and then proceed to the next topic.

#### Additional Information:

##### **Errors/Unexpected results**

If an error were to occur with the command or deploying the portlets and pages, the following log files are the first place to get additional information. If you place a call to IBM Software Service, they will ask that you provide these files:

- /QIBM/UserData/Access/Web2/logs/cmds.log
- /QIBM/UserData/Access/Web2/logs/cmdstrace.log
- /QIBM/UserData/Access/Web2/wp51/<was\_instance>/logs/\*.log

##### **Configuring again**

The `cfgaccweb2` command run above can be run multiple times. Rerunning the command will redeploy the iSeries Access for Web portlets and reset all iSeries Access for Web portlet configuration customizations back to shipped defaults.

##### **rmvaccweb2 command**

The `rmvaccweb2` command can be used to remove the iSeries Access for Web portlet configuration. The command can be found in the same location as the `cfgaccweb2` command and it will accept the same parameters.

### **Using iSeries Access for Web portlets**

When the WebSphere application server reaches a running state and is ready to being serving web pages, proceed with the following steps to begin using iSeries Access for Web portlets and servlets.

1. To access the portlets, open a web browser to **http://<server\_name>:<port>/wps/portal**

<server\_name> is the name of your iSeries server

<port> is the port number that your HTTP server is configured to listen for requests on. This may not be required depending on your configuration.

2. Login to WebSphere Portal using a WebSphere Portal user ID and password.
3. Assuming `-wppage *YES` was specified on the `cfgaccweb2` command invocation (if not specified, default action was `*YES`), there should be a tab labeled "My iSeries".

Click the **My iSeries** tab. Underneath it will be several pages containing 5250, IFrame, Files, Print, Database, and Command portlets. Click on each page's tab to see the portlets it contains.

4. For additional information on using the iSeries Access for Web portlets or servlets, refer to the V5R3 iSeries Access for Web InfoCenter documentation which is available in various language translations from the iSeries Access for Web website: <http://www.ibm.com/servers/eserver/series/access/web/>

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## **Additional information**

### **IBM HTTP Server for iSeries**

For additional information on the IBM HTTP Server for iSeries, refer to the following web site:

<http://www.ibm.com/servers/eserver/series/software/http/>

### **IBM WebSphere Portal Enable for Multiplatforms V5.1**

For additional information on IBM WebSphere Portal Enable for Multiplatforms V5.1, refer to the following web site:

<http://publib.boulder.ibm.com/infocenter/wp51help/index.jsp>

### **iSeries Access for Web**

For additional information on iSeries Access for Web, refer to the following website:

<http://www.ibm.com/servers/eserver/series/access/web/>

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