

5722-XH2 V5R3 iSeries Access for Web

WebSphere Application Server - Express for iSeries V5.0 - Setup/Configuration Example

First Edition (January 2004)

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

(C) Copyright International Business Machines Corporation 1999, 2004. All rights reserved.
U.S. Government Users Restricted Rights -- Use, duplication or disclosure restricted by GSA ADP
Schedule Contract with IBM Corp.

Contents

[About this information](#)

[General information](#)

[Getting Started](#)

[Overview](#)

[Web serving setup example](#)

[Creating and Starting an HTTP server and Web application server](#)

[Additional information](#)

[IBM HTTP Server for iSeries](#)

[WebSphere Application Server – Express for iSeries V5.0](#)

[iSeries Access for Web](#)

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/iseries/access/web/>

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

- Licensing information
- An installation/setup checklist that addresses:
 - Hardware/Software/web browser requirements.

- Installation of iSeries Access for Web to the iSeries server.
- 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

This document assumes you have been using the setup checklist in Chapter 4 of the iSeries Access for Web InfoCenter documentation. The checklist step #8 should have pointed you to this document for an example of:

Creating and Starting HTTP servers and Web application servers

If you have not been using the setup checklist in Chapter 4 of the iSeries Access for Web InfoCenter documentation, you should refer to that documentation before continuing with the information below.

General information

- You should read this information to step through an example that creates and starts an HTTP web server and a WebSphere Application Server web application server.
- 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.
- V5R3 iSeries Access for Web requires V5R2 and later OS/400 iSeries servers.
- The example information in this document assumes the latest PTFs have been loaded and applied for the following and their dependent software products:
 - 5722-DG1 IBM HTTP Server for iSeries
 - 5722-IWE IBM WebSphere Application Server – Express for iSeries V5.0

Overview

This document assumes you have been using the setup checklist in Chapter 4 of the iSeries Access for Web InfoCenter documentation. The checklist step #8 should have pointed you to this document for an example of:

Creating and Starting HTTP servers and Web application servers

If you have not been using the setup checklist in Chapter 4 of the iSeries Access for Web InfoCenter documentation, you should refer to that documentation before continuing with the information below.

To begin using iSeries Access for Web servlets, the servlet web environment must be setup on the iSeries server. The sections below provide an example of how to set up the servlet web environment.

Web serving setup example

The information below will guide you through the process of creating a WebSphere web application server and an HTTP web server.

The configuration instructions documented below are only an example. You may modify the configuration values if you wish. If you are unfamiliar with the web serving environment, it is highly recommended that you use the configuration values documented below. As you become more experienced with the web environment on your iSeries server, you can create additional web serving environments where you can modify the configuration values.

Follow the sections in the order outlined below.

Creating and Starting an HTTP server and Web application server

The instructions below assume steps 1 – 7 of the setup checklist in Chapter 4 of the iSeries Access for Web InfoCenter documentation have been completed. If you have not completed steps 1 – 7, it is highly recommended that those steps be completed before continuing with the information below.

The instructions below assume the latest PTFs have been loaded and applied to the iSeries server for the following software products:

- 5722-DG1 IBM HTTP server for iSeries
(<http://www.ibm.com/servers/eserver/iseries/software/http/>)
- 5722-IWE WebSphere Application Server – Express for iSeries V5.0
(<http://www.ibm.com/servers/eserver/iseries/software/websphere/wsappserver/>)

Use the instructions below to create a WebSphere instance/application server and HTTP web server.

1. Sign on to a 5250 session. The user profile you use must have security officer authority.
2. Run the server command:
STRTCPSVR *HTTP HTTPSVR(*ADMIN)
3. Open a web browser to:
http://<server_name>:2001
4. Click the link:
IBM HTTP Server for iSeries or IBM Web Administration for iSeries
5. Click the tab labeled:
Setup
6. Under “Common Tasks and Wizards”, click the link labeled:
Create Application Server

7. The screen will be refreshed. On the Create Application Server page, select the radio button for: **WebSphere Application Server – Express, V5.0. This type of server is intended for a less complex web application.**
8. Click the button:
Next
9. On the Specify Application Server Name page, type the following exactly as shown in the Application server name field:
iwa5exp
10. Click the button:
Next
11. On the Select HTTP Server Type page, select the radio button for:
Create a new HTTP server (powered by Apache)
12. Click the button:
Next
13. On the Create a new HTTP server (powered by Apache) page, type the following in the HTTP server name field:
iwa5exp

(Note: We are using the same name for both the WebSphere instance/application server and the HTTP server so that it is easy to see that the two servers are associated with each other. It is OK to use the same name for each because they are two different types of servers running in different subsystems.)
14. Type the following in the Port field:
2030

(Note: Please verify that port 2030 is available for use. Use the NETSTAT *CNN server command to list ports that are currently in use on your server. Check the listed ports to verify 2030 is not already being used by some other program. If 2030 is already being used, specify a different value for this field.)
15. Click the button:
Next
16. On the Specify Internal Ports Used by the Server page, the First port in range field has been defaulted to a port number. The wizard has verified the default value is available for use. Do not change the default value unless you are sure the value you type is available for use.
17. Click the button:
Next
18. On the Select Business and Sample Applications page, uncheck all applications so that none of them are installed unless you are sure you need or desire to have those applications installed.
19. Click the button:

Next

20. On the Summary page, click the button:

Finish

21. The page will be refreshed showing that your web environment is being created. Wait for the create step to complete before continuing. When the create step completes, the status will be updated to Stopped.

Congratulations, you have successfully created a WebSphere instance/application server named **iwa5exp** and an HTTP server named **IWA5EXP**.

You can now start both the **iwa5exp** WebSphere instance/application server and the **IWA5EXP** HTTP server by clicking the start link for each server.

You should now return to the setup checklist in Chapter 4 of the iSeries Access for Web InfoCenter documentation. When that documentation instructs you to access the iSeries Access for Web home page using http://your_server_name:port/webaccess/iWAHome, you would specify http://your_server_name:2030/webaccess/iWAHome .

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/>

WebSphere Application Server – Express for iSeries V5.0

For additional information on WebSphere Application Server – Express for iSeries V5.0, refer to the following web site:

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

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/>
