



IBM System i™

Session: **22CC/23CC**



# Get to the Web Fast with System i Access for Web

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***i want stress-free IT.  
i want control.  
i want an **i**.***

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# System i Access for Web Sessions/LABs

	<b>22CC</b>	<b>409136</b>	<b>Get to the Web Fast with System i Access for Web</b>
	25LA	520027	LAB: Getting Started with System i Access for Web
	32MI	409160	Database Access with System i Access for Web
	33MI	500121	System i Access for Web – Security Considerations
	35MI	410068	System i Access for Web – Setup and Configuration
	36MF	440281	Run 5250 through a Browser using System i Access for Web
	41LA	450047	LAB: System i Access for Web: Installation and Configuration
	42LA	450047	LAB: System i Access for Web: Installation and Configuration
	44MN	420016	Build a Home Page to i5/OS using System i Access for Web
	45MN	420015	Tips and Techniques for System i Access for Web
	53LA	420063	LAB: Test Drive System i Access for Web
	55MM	470021	System i Access for Web runs in a Portal
	56MM	480144	Programming with System i Access for Web



Voted "Best Traditional Lab" at Spring and Fall 2005 COMMON

# Requirements?

**Would you like to see some other features in System i Access for Web?**

**Please submit requests for enhancements via the FITS system.**

**The url is:**

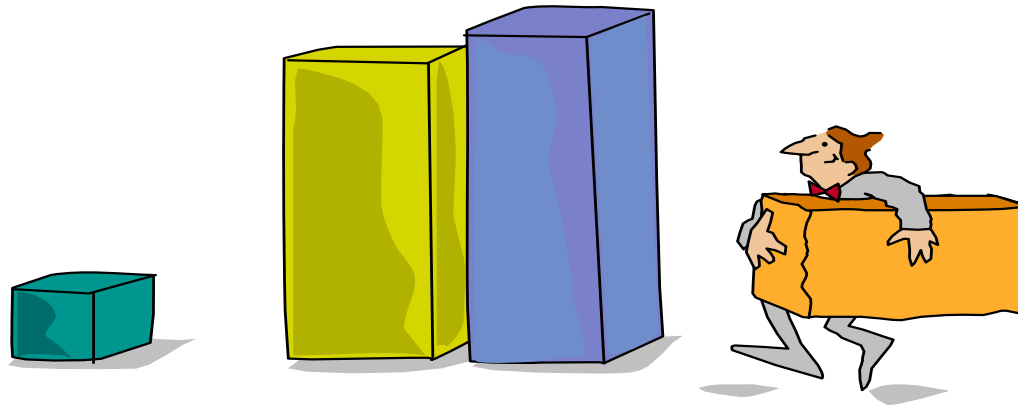
**<http://www.ibm.com/eserver/iserries/access/>**

**And click on link “[Request for Design Change](#)”**



*This really helps  
development get new  
functions into the  
planning process*

# Packaging and Ordering



# iSeries Access Family Packaging

<b>V5R4 5722-XW1 iSeries Access Family</b>	<b>V5R3 5722-XW1 iSeries Access Family</b>	<b>V5R2 5722-XW1 <del>iSeries Access Family</del></b>
<ul style="list-style-type: none"> <li>• iSeries Access for Windows, 5722-XE1, V5R4</li> </ul>	<ul style="list-style-type: none"> <li>• iSeries Access for Windows, 5722-XE1, V5R3</li> </ul>	<ul style="list-style-type: none"> <li>• <del>iSeries Access for Windows, 5722-XE1, V5R2</del></li> </ul>
<ul style="list-style-type: none"> <li>• iSeries Access for Web, 5722-XH2, V5R4</li> </ul>	<ul style="list-style-type: none"> <li>• iSeries Access for Web, 5722-XH2, V5R3</li> </ul>	<ul style="list-style-type: none"> <li>• <del>iSeries Access for Web, 5722-XH2, V5R2</del></li> </ul>
<ul style="list-style-type: none"> <li>• iSeries Access for Linux, 5722-XL1</li> </ul>	<ul style="list-style-type: none"> <li>• iSeries Access for Linux, 5722-XL1, V1.10</li> </ul>	<ul style="list-style-type: none"> <li>• <del>iSeries Access for Linux, 5722-XL1, V1.0</del></li> </ul>
<ul style="list-style-type: none"> <li>• iSeries Access for Wireless, 5722-XP1, V5R4</li> </ul>	<ul style="list-style-type: none"> <li>• iSeries Access for Wireless, 5722-XP1, V5R3</li> </ul>	<ul style="list-style-type: none"> <li>• <del>iSeries Access for Wireless, 5722-XP1, V5R2</del></li> </ul>
	<ul style="list-style-type: none"> <li>• HATS Limited Edition V5.0, 5724-F97-01</li> </ul>	<ul style="list-style-type: none"> <li>• <del>HATS Limited Edition V4.0-5724-D34-01</del></li> </ul>
		<ul style="list-style-type: none"> <li>• <del>WebSphere Host Publisher, 5724-B81, V4.0, 5724-B81, V4.01</del></li> </ul>
	<p>V5R3 customers not wanting to upgrade to i5/OS V5R4 but want the new V5R4 iSeries Access Family clients can order no-charge <b>Feature No. 2648 of Product No. 5722-XW1</b></p>	<p><del>V5R2 customers not wanting to upgrade to i5/OS V5R3 but want the new V5R3 iSeries Access Family clients can order no-charge <b>Feature No. 2647 of Product No. 5722-XW1</b></del></p>

V5R2 End of Support (EOS) is 4/30/2007

# iSeries Access and System i Express

- Each i5/OS user on System i is entitled to use any client in the iSeries Access Family at no additional charge
- With iSeries Access, users can:
  - Access traditional i5/OS applications using the 5250 emulation function
  - Query and retrieve DB2 information through easy-to-use GUIs
  - Upload spreadsheet information into DB2
  - Use i5/OS as a file server
  - Access i5/OS printer output, convert it to .PDF, and print it on PC printers
- iSeries Access Family (5722-XW1) unlimited user feature included with 515 and 525 systems



**See Announcement Letter No's 107-181 and 107-182 dated 4/10/07 for more details**

# Table of Contents

- **What is Access for Web?**
- **Getting Started**
- **Ways to roll out to end users**
- **Control Access to functions**



# What is System i Access for Web?

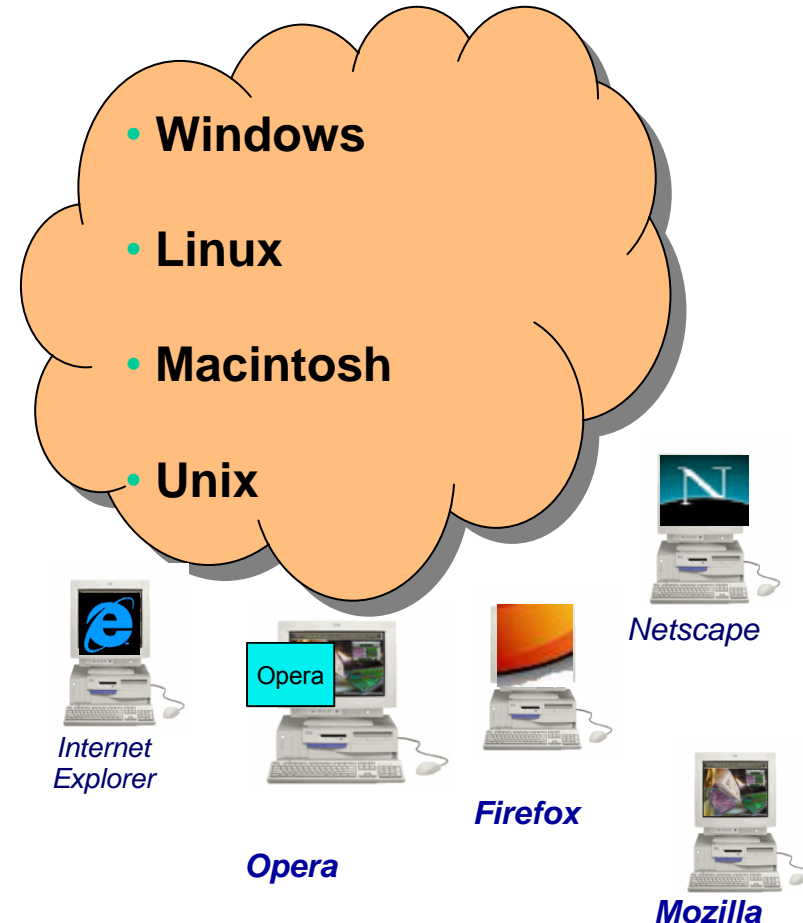
*End users can leverage business information, applications, and resources across an enterprise by extending the iSeries resources to the client desktop through a web browser*

## Provides access to System i through a browser

- **5250 access**
- **Access to database, integrated file system, printers, output queues, jobs**
- **Can run batch commands and send/receive messages**

## It has the following advantages:

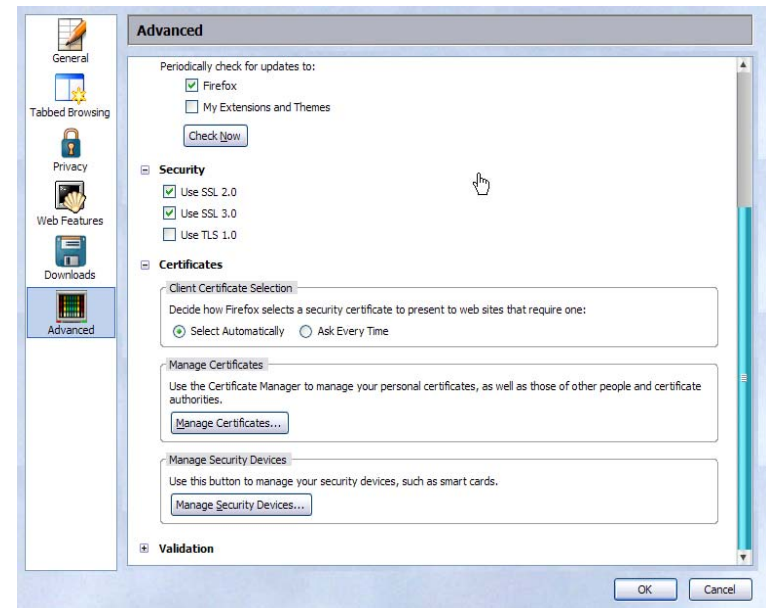
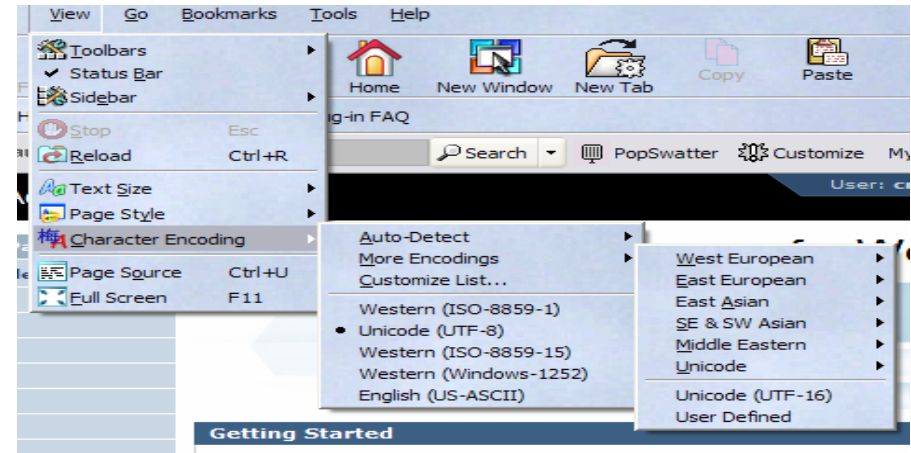
- **Is server based**
- **Requires only a browser on the client, no configuration required at desktop, no applets installed on desktop**
- **Uses industry standard protocols - HTTP, HTTPS and HTML**





# Fully Integrated with your Browser

- Use any code page available in your browser
  - System i Access for Web, V5R4, translated into 38 NLVs (including DBCS)
    - New Japanese Feature 2930 in V5R4
  - See screens in preferred language
- Use any keyboard setting available in Windows
- Font Size
- Set up your SSL through your browser



# Functions you can perform with System i Access for Web 5722-XH2, V5R4

## Print

- Printer output
- PDF Printer output
- Printers
- PDF Printers
- Internet Printers
- Internet Printer Shares
- Printer shares
- Output Queues

## 5250

- Active Sessions
- Start 5250 Session
- Configured Sessions
- **Bypass Sign-on**

## Files

- Browse Files
- **Browse File Shares**
- File Shares

## Messages

- Display Messages
- Send Messages
- Sametime
- Operator Messages
- Message Queue

## Database

- Tables
- My Request
- Run SQL
  - **Open Office Formats**
- Copy Data to Table
- Import Requests
  - iSeries Access for Windows
  - **Query Manager**
  - **Query/400**
- Extract Server Data

## Download

## My Personal Folder

## Jobs

- User Jobs
- Server Jobs

## Customize

- Preferences
- Policies
- Settings
- **Transfer configuration**

## Commands

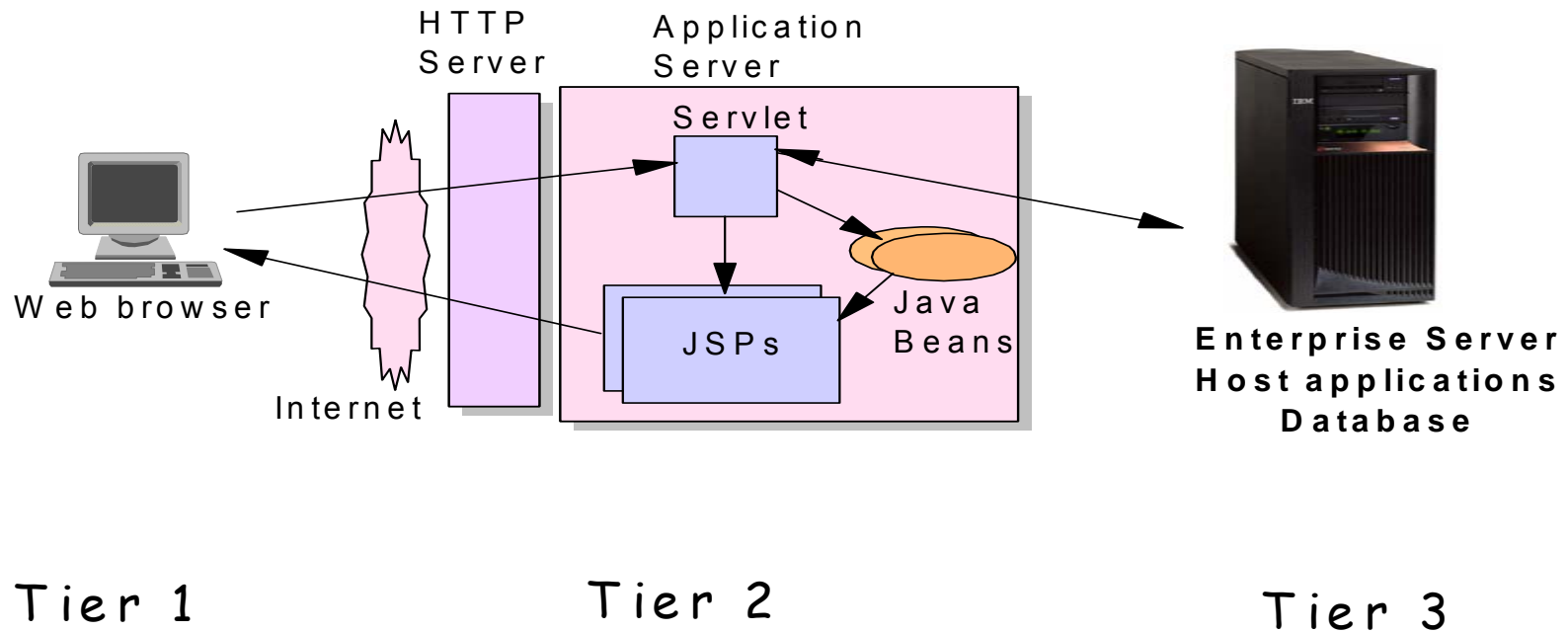
- Run commands
- My commands
- Search

## Other

- Bookmarks, Change Password, Connection Pool, Status, Trace, About

# Getting Started

**Before you start with Access for Web you must get your web application server running**



# Supported Web Application Servers

iSeries Access for Web servlet code can be used with any of the following web application servers:

- **Integrated web application server – announced October 10, 2006**
- **WebSphere® Application Server V6.1 and V6.0 – Express for i5/OS**
- **WebSphere Application Server V6.1 and 6.0 Base and Network Deployment**
- **WebSphere Application Server V5.1 - Express for iSeries**
- **WebSphere Application Server V5.0 - Express**
- **WebSphere Application Server V5.1 and 5.0 Base and Network Deployment Editions**
- **ASF Tomcat**

iSeries Access for Web portlet code can be used with any of the following portal servers.

- **IBM Workplace Services Express V2.6 (V5R4 iSeries Access for Web)**
- **IBM Workplace Services Express V2.5**
- **WebSphere Portal for Multiplatforms V6.0**
- **WebSphere Portal for Multiplatforms V5.1.0.1**
- **WebSphere Portal Express for Multiplatforms V5.0.2**
- **WebSphere Portal Express Plus for Multiplatforms V5.0**

# October 10 Announcement: “System i Web Enablement Made Easy”

## Two pieces relate to iSeries Access for Web:

- **iSeries Access for Web supports the use of a Web application server integrated with i5/OS.**
  - Configure iSeries Access for Web without having to install or configure a Web Application server
  
- **Web Enablement for i5/OS: Express Runtime Environment**
  - Auto configure of Web servers, components, applications using WAS – Express V6.0
  - iSeries Access for Web is part of the environment

## PTFs required:

- **iSeries Access for Web: PTF SI25122**
- **HTTP Server: Group PTF SI99114 (Level 6)**
- Refer to: <http://www.ibm.com/eserver/iseries/access/web/servicepacks.html>

# Is your AS/400, iSeries, or System i ready?

**Under 512Mb  
Under 300 CPW**

Bxx, Cxx, Dxx, Exx, Fxx

S10, S01, Pxx

S20 / #2161, #2163

100, 150

170 /

#2159, #2160, #2164, #2289, #2290, #2291, #2292 #2407,

#2408, #2409

200, 20S, 250

270 / #2422, #2423, #2424, #2248, #2452, #2454

3xx, 4xx

500, 510, 50S

53S / #2154

530 / # 2150, # 2151

600

620 / #2175, #2179, #2180, #2181

720 / #2061

820 / #2425, #2426, #2457, #2456

**512Mb–1GB  
300-500 CPW**

S30 / #2257

S20 / #2170, #2165

170 / #2176, #2183, #2383, #2384, #2385, #2386

270 / #2250, #2431

53S / #2155

530 / #2150, #2151

600 / All

620 / #2175, #2179, #2180, #2181

720 / #2161

820 / #2425, #2426, #2456, #2457

**WAS Express with  
few concurrent  
users**

**Over 1GB  
And  
500 CPW**

SB1, SB2, SB3, S20(1), S30(1), S40, 170 / #2388

270 / #2252, #2253, #2432, #2434

53S / #2156, #2157

530 / #2153, #2162

730, 740, 800 / #2464

810, 825, 870, 890, i5 520, i5 550, i5 570, i5 595 / All

**Complex web  
applications with  
many concurrent  
users**

# Performance Considerations...

Use the **IBM eServer Workload Estimator** at  
<http://www-912.ibm.com/wle/EstimatorServlet>

**IBM eServer**

- About IBM eServer
- POWER-processor based servers
- Blade servers
- Intel processor-based servers
- UNIX servers
- Midrange servers
- Mainframe servers
- Linux servers
- Cluster servers
- Solutions
- Storage
- Support
- Developers
- Education
- Literature
- Press

**Related links**

- Warranty info
- alphaWorks
- IBM Business Partners

## IBM eServer Workload Estimator

Version: 2005.4.fxc.1  
14-Dec-05  
www-912

Workload Selection

Workload Definition

Selected System

Help/Tutorials

- Download PDF
- Printable Version

- Choose Base System
- Modify System
- External Storage
- Call Me Now

- Edit Estimation Info
- Options

- Change Growth Factors
- Save all Workloads

### Selected System

#### Immediate Solution

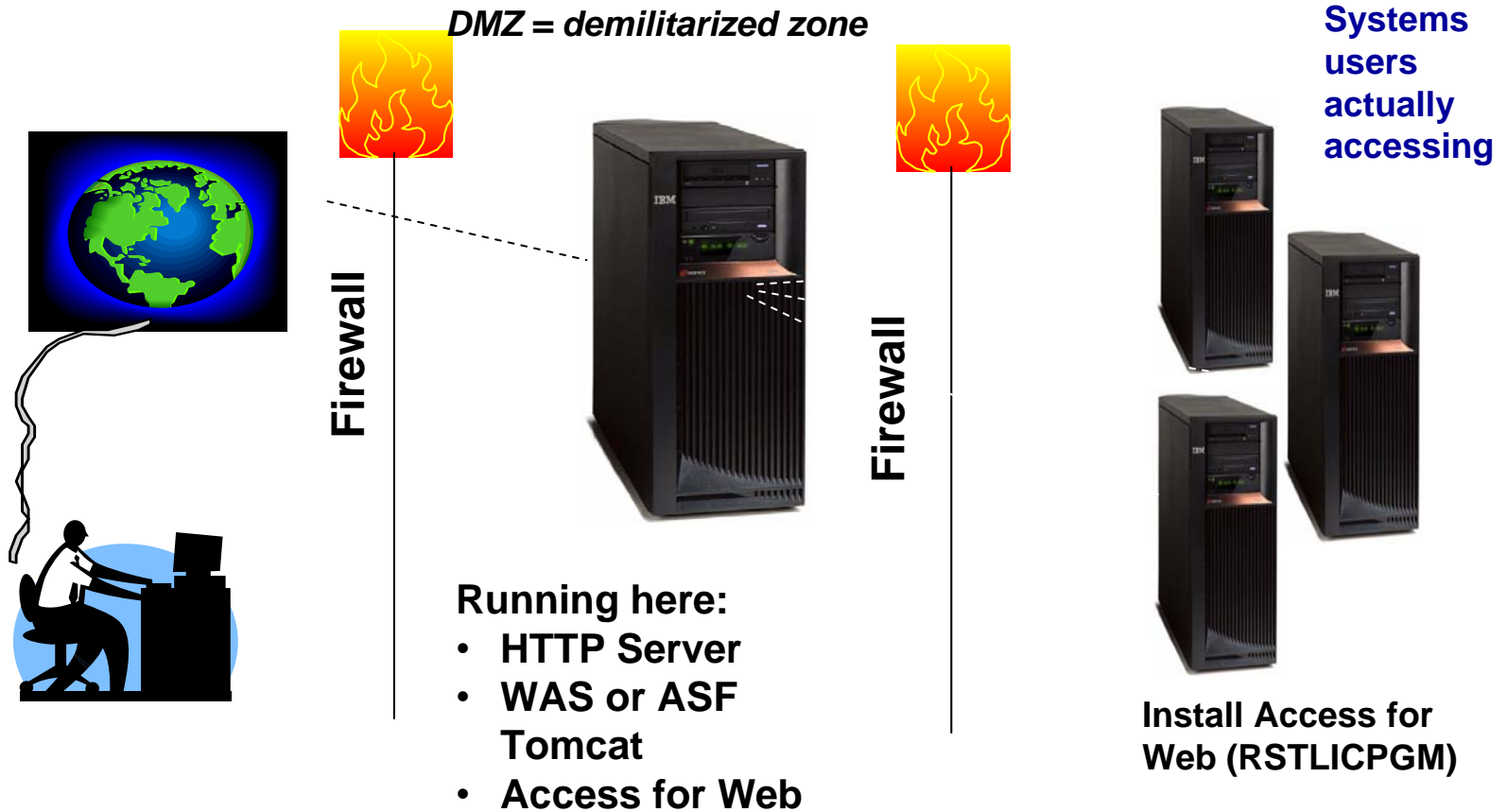
The 520-8950/7450 can handle the defined workloads **NOW**.

#### Growth Solution

It can also handle the specified growth.

<b>Model/Feature:</b>	520-8950/7450	500/30	
<b>Number of Systems:</b>	1		
<b>Processor CPW:</b>	500		
<b>5250 OLTP CPW:</b>	30 (24% utilized)		30 (35% utilized)

# Setting up your web application server



**Only need to set up 1 web application server**



# Port Requirements Comparison

## iSeries Access for Windows (5722-XE1)\*

- Port 449 for Port Mapper
- Port 8476 (9476) for Sign-on
- Port 8470 (9470) for Central
- Port 8472 (9472) for Data Queues
- Port 8471 (9471) for Database
- Port 8475 (9475) for Remote Commands
- Port 8473 (9493) for Print
- Port 2001 (2010) for Web Admin
- Port 446 (448) for DDM
- Port 23 (992) for Telnet
- Port 137, 138 for NetServer
- Port 389 (636) for LDAP
- Port 5555 (5566) for Mgmt Central
- Port 53 if using DNS Server

## iSeries Access for Web (5722-XH2)

- Port 80 (or any other port) for HTTP Server
- Port 443 (or any other port) for HTTPS Server

\*See Information APAR  
II12227 for detailed  
information

## Get Access for Web running

- **Print a copy of the Access for Web Install & Users Guide**
  - Downloadable from web at <http://www.ibm.com/eserver/series/access/web>
- **Install iSeries Access for Web from your i5/OS stacked media.**
  - **RSTLICPGM - Install Access for Web, 5722-XH2, into QIBM directory**
- **Configure and start Access for Web.**
  - **CFGACCWEB2 - Configure the iSeries Access for Web application server**
  - **STRACCWEB2 - Start the iSeries Access for Web application server.**
- **Set some policies to enable or limit access to various functions of Access for Web**

# Access for Web Documentation on the Web...

Related links	V5R3	
<ul style="list-style-type: none"> <li>• iSeries Access Home</li> <li>• HATS Limited Edition</li> <li>• Host Publisher</li> <li>• WebSphere on iSeries</li> <li>• iSeries Information Center</li> <li>• Feedback</li> </ul>	<b>V5R3 iSeries Access for Web is supported on V5R2 OS/400 and V5R3 i5/OS.</b>	
	V5R3 iSeries Access for Web - Installation and Usage Refer to the <a href="#">iSeries Information Center</a> . Navigate to <i>Connecting to iSeries</i> → <i>Choose your connection</i> → <i>iSeries Access</i> → <i>iSeries Access for Web</i>	<a href="#">English</a> or select a language at the <a href="#">iSeries Information Center</a> home page
	<b>New!</b> V5R3 iSeries Access for Web with Workplace Services Express V2.5 - Setup/Configuration Example	<a href="#">PDF</a>
	<b>New!</b> V5R3 iSeries Access for Web with IBM WebSphere Portal Enable for Multiplatforms V5.1 - Setup/Configuration Example	<a href="#">PDF</a>
	V5R3 iSeries Access for Web with WebSphere Application Server (WAS) for iSeries V6.0 (Express and Base Editions) - Setup/Configuration Example	<a href="#">PDF</a>
	Configuring the use of authenticated WebSphere credential for Single Sign-On (SSO) with V5R3 iSeries Access for Web portlets and WebSphere Portal Express for iSeries V5.0	<a href="#">HTML</a> <a href="#">PDF</a>
	V5R3 iSeries Access for Web with WebSphere Portal - Express for iSeries V5.0 - Setup/Configuration Example	<a href="#">PDF</a>
	V5R3 iSeries Access for Web with WAS - Express for iSeries V5.1 - Setup/Configuration Example	<a href="#">PDF</a>
	V5R3 iSeries Access for Web with WAS - Express for iSeries V5.0 - Setup/Configuration Example	<a href="#">PDF</a>
	V5R3 iSeries Access for Web with WAS V5.1 for iSeries (Base and Network Deployment Editions) - Setup/Configuration Example	<a href="#">PDF</a>
	V5R3 iSeries Access for Web with WAS V5.0 for iSeries (Base and Network Deployment Editions) - Setup/Configuration Example	<a href="#">PDF</a>
	V5R3 iSeries Access for Web with Apache Software Foundation (ASF) Tomcat - Setup/Configuration Example	<a href="#">PDF</a>
	URL Interfaces to iSeries Access for Web	<a href="#">PDF</a>

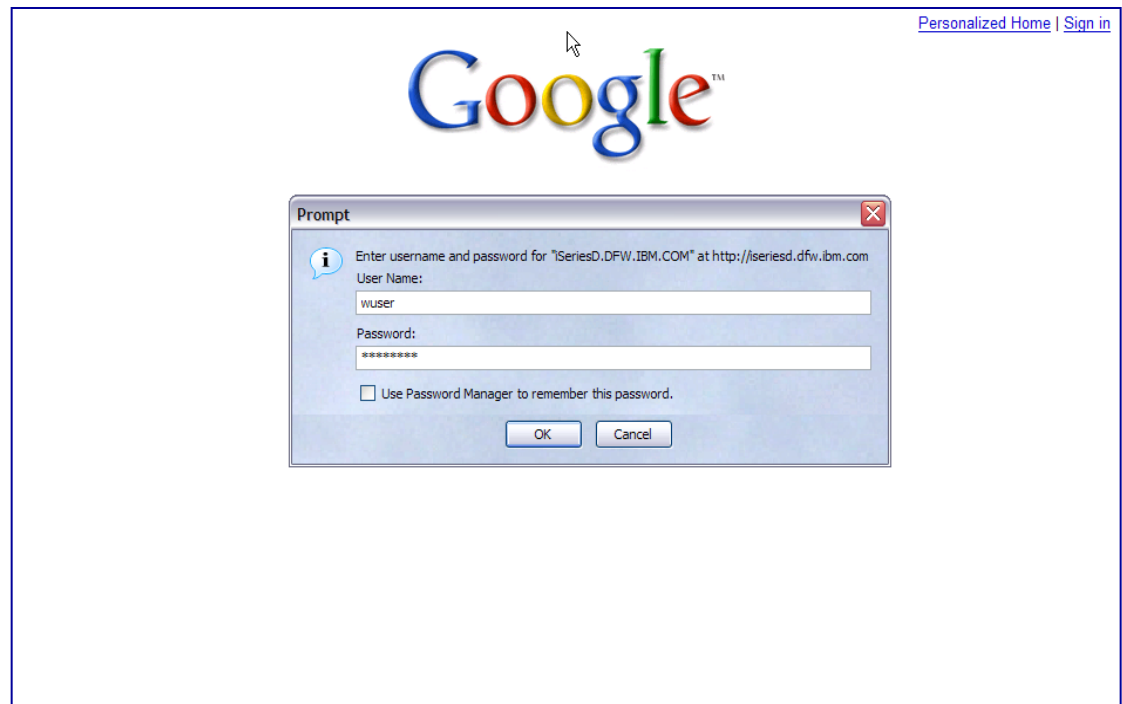
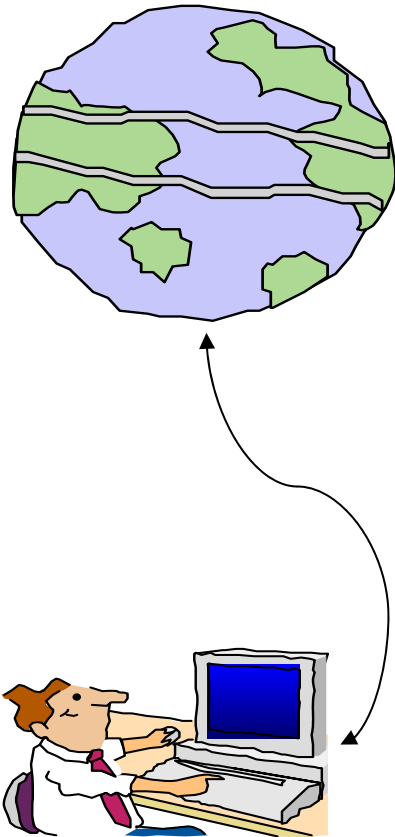
<http://www.ibm.com/eserver/iseries/access/web/doc.html>

## 4 CL Commands in Access for Web

- **Configure** Command example when using WebSphere Application Server V5.1 - Express for iSeries
  - CFGACCWEB2 -appsvrtype \*WAS51EXP -wasinst iwa51exp -appsvr iwa51exp
- **Start** Command example when using WebSphere Application Server V5.1 - Express for iSeries
  - STRACCWEB2 APPSVRTYPE(\*WAS51EXP) WASINST(MYINST) APPSVR(\*DEFAULT)
- **End** Command example when using WebSphere Application Server V5.1 for iSeries
  - ENDACCWEB2 APPSVRTYPE(\*WAS51) WASINST(DEPTXYZ) APPSVR(\*DEFAULT)
  - Sometimes you may need to end Access for Web so you can make changes, then start it again.
- **Remove** Command
  - The Remove iSeries Access for Web (RMVACCWEB2) command is used to remove the iSeries Access for Web configuration from a web application servers

# Users can now Connect!

- Open browser
- Key in iSeries url
- Prompted for i5/OS user id and password



# Different Ways to Roll Out Access for Web



- **Use ‘out of the box’**
  - Set some policies to limit what functions are accessible to your users, and give them the url address to Access for Web
- **Use ‘out of the box’, but set up predefined functions**
  - You can set up preconfigured 5250 sessions that users (or groups of users) can run, can create predefined database requests for users to run, set up commands users can run, etc.
- **Create your own ‘window’ to your system through Access for Web**
  - Add company banners to screens, set up ‘click and link’ tasks that users can perform, set up macros to simplify user access.
- **Use Access for Web with the IBM WebSphere Portal solution**
  - A single unified workspace in which your employees, trading partners, and customers can easily find and use the applications and information that they need

# Different Ways to Roll Out System i Access for Web

- Use 'out of the box'
- Use 'out of the box', but set up predefined functions
- **Create your own 'window' to your system through System i Access for Web**
- Use the WebSphere Portal solution



# Home Page entry point

*Home Page = <http://<myiseries>:<port>/webaccess/iWAHome>*

- Access for Web 'Home Page' out-of-the-box view
- This page is totally customizable

**iSeries Access for Web**

Welcome to iSeries Access for Web

**Getting Started**

My Information	My View	Related Products
<ul style="list-style-type: none"> <li>• <a href="#">My Folder</a></li> <li>• <a href="#">Printer output</a></li> <li>• <a href="#">Display messages</a></li> <li>• <a href="#">Start a 5250 session</a></li> <li>• <a href="#">Database requests</a></li> <li>• <a href="#">Browse files</a></li> <li>• <a href="#">Preferences</a></li> </ul>	<ul style="list-style-type: none"> <li>• See <a href="#">Customizing iSeries Access for Web</a> to find out how to customize the behavior and look of iSeries Access for Web. Also, find out how to create your own home page!</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">WebSphere Application Server for iSeries</a></li> <li>• <a href="#">WebSphere Development Studio Client for iSeries</a></li> <li>• <a href="#">WebSphere Development Studio for iSeries</a></li> </ul>

**What is iSeries Access for Web**

A new generation of software that enables you to access your iSeries server information and resources through a web browser!

**Browser Access to iSeries Server Information**

The Internet movement has taken over, and businesses are quickly moving to embrace new technologies through e-business. Since most desktop operating systems come with

**Related Links:**

- iSeries Access for Web
- iSeries Access
- iSeries Navigator
- iSeries Information Center
- iSeries Resource Library

**Rochester information**

- City information
- Movies
- Mayo Clinic

**Rochester weather**

• SkyCam

**Rochester news**

- Post-Bulletin online
- KTTC

**Telephone directory**

- Find a person
- Find a business

*New 'look' in V5R4...*



# Customized Home Page

## Customized view of the Home Page

- Could be used as 'entry' point to System i
- Let's drill down and look at some of this...

The screenshot shows a web browser window displaying the IBM System i website. The address bar shows the URL: <http://iseriesd.dfw.ibm.com/webaccess/iWAHome>. The page features a blue header with the IBM logo and the text "Access for Water Supplying quality boats since 2002".

The main content area is divided into several sections:

- Services:** Includes links for "See boat details - 5250", "See boat details - HATS", "View available boats", and "Order a boat".
- Work Items:** Includes links for "Work with invoices", "Update an order", "Check messages", "Check system messages", "Administrator tasks", "Manage incoming items", "Monitor jobs", "Download client software", and "Reassign job responsibilities".
- This Week's Special:** Features a photo of a white boat and text: "Beautifully maintained 28 foot 1978 Carver Santa Cruz for only \$23,900. Head and galley refurbished in 2005. Only 31 hours on completely rebuilt motor. Click [here](#) to see this boat cruising the seas."
- Great Deals:** Text: "For those bargain conscious among you, we have a large selection of new and slightly used boats for under \$75,000. Whether you are planning on sailing in your backyard pond or navigating the mighty Mississippi we can meet your wants, needs, or desires. [View our selection of modestly priced boats.](#)"
- Site Support:** Text: "Your comments are important to us. Please let us know if you have questions about the boats we offer or if we can help you in any way. Address your message to user BOATHHELP. [Send us a message](#)" and "If you prefer to contact us directly, use our [telephone directory](#) to lookup phone numbers and e-mail addresses."
- Weather Conditions:** Text: "Is it a great day for boating? Check out today's forecast." Below this is a map of the United States with weather icons and temperatures for various cities.

The browser window also shows a search bar, a "Go" button, and a status bar at the bottom with the "Internet" icon.

<http://iseriesd.dfw.ibm.com/webaccess/iWAHome>

# Your **Window** to your i5/OS

<http://<myseries>/webaccess/iWAHome>

## Window view is associated with i5/OS user profiles

- An administrator can create many different views ('window') for different types of users -- based on user profile / group profile
- Can tightly control what functions a user can perform on your i5/OS
- Tie in with other web applications (such as WebFacing and HATS) from here as well
- Link to other systems, not just System i



## **Customized 'window' to i5/OS**

- **One view and set of functions for the Accounting department**
- **Another view and set of functions for the Warehouse staff**

# Using 5250 emulator in Access for Web

The company banner, 'Access for Water' is carried forward on all screens

- Went into 'Customize → General' and pointed at file with the company .gif.

## 5250 emulator in Access for Web

- Application looks better and did no work
- Can use 5250 Bypass Signon (new in V5R4) to bypass i5/OS sign-on screen
- Can use Access for Web Macro support to start the RPG application (BOATS)

Address http://seriesd.dfw.ibm.com/webaccess/WA5250?sessname=boat&initmac=startboat

mywebsearch  Search

**Access for Water** *Supplying quality boats since 2002*

[Home](#)

AS/400 WSG Boat Demo 8/24/04 15:22:18

Enter your search parameters

Type  P=Powered, S=Sailing, T=Tug, C=Commercial, A=All

Length (feet)  feet to start from

Year built  year to start from

**Zero (0) extra steps**

# Host Access Transformation Services (HATS)

*Easy to link to other web applications*

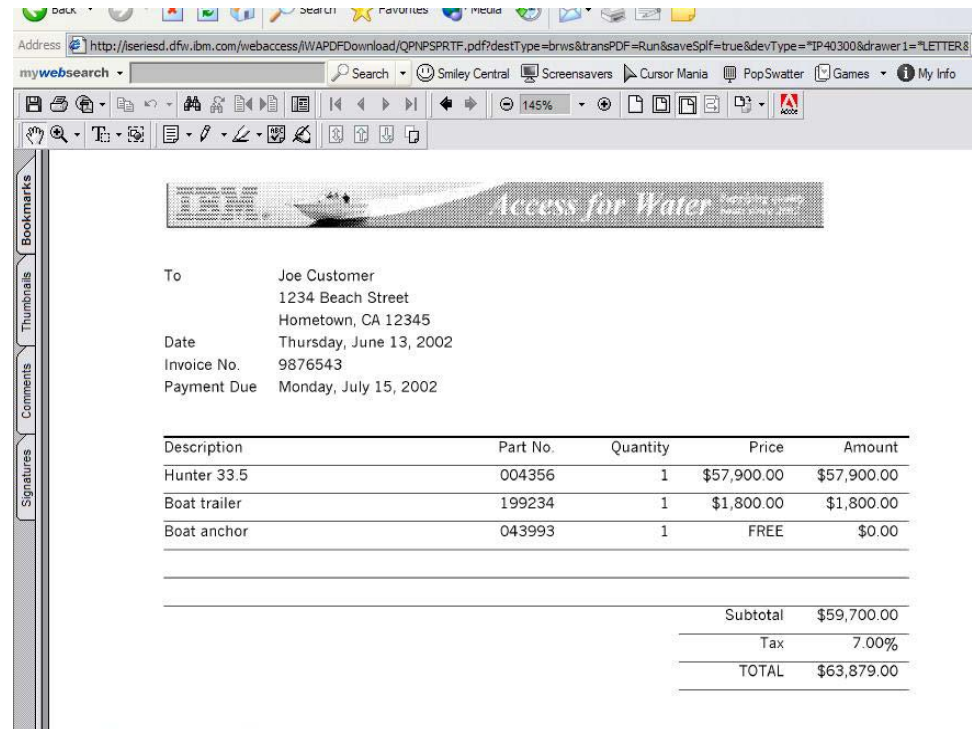
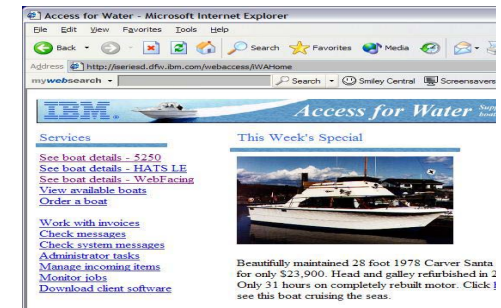
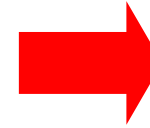
- Work with 'AS/400 WSG Boat Demo' application that was refaced using the IBM HATS Tool
- May require additional sign-on

The screenshot shows a web browser window displaying the 'JK Enterprises - iSeries' application. The page has a header with the title 'JK Enterprises - iSeries' and a decorative banner featuring various sports equipment like a baseball, football, and basketball. Below the header, there is a navigation menu on the left with links for 'Home Page', 'Site Map', 'Jobs', 'JK Products', 'Products', 'Downloads', and 'Support'. The main content area is titled 'AS/400 WSG Boat Demo' and shows a search interface. It includes a timestamp '5/02/06 13:33:57' and a prompt 'Enter your search parameters'. The search parameters are: 'Type' with a dropdown menu showing 'P=Powered, S=Sailing, T=Tug, C=Commercial, A=All'; 'Length (feet)' with a text input field and the label 'feet to start from'; and 'Year built' with a text input field and the label 'year to start from'. At the bottom of the page, there is a link for 'F3=End'. On the left side of the page, there are four buttons: 'Reset', 'Default', 'Refresh', and 'Disconnect'.

# Task Oriented – not function oriented...

## Selected 'work with invoices'

- This takes user to 'Printer Output' – user's Spoolfile printer output
- SCS or AFP printer output is converted to PDF 'on the fly' by Access for Web to PDF
- Since it is now in .PDF format, user can print it to any network printer



# email PDF output

## Email integrated with iSeries Access for Web

- Your mail server can be anywhere in your network
- Users receiving your email need only an email address

## User selects an option in the Printer Output screen to 'email PDF output'

- The PDF document is then included in an email note
- User's email address filled in; user only needs to address it.

iSeries Access for Web

My Home Page

My Folder

Print

- Printer output
- PDF printer output
- Printers
- PDF printers
- Internet printers
- Internet printer shares
- Printer shares
- Output queues

Messages

Jobs

5250

Database

Files

Command

Download

Customize

Other

### Convert Printer Output to PDF

From: cminer@us.ibm.com

To:

cc:

bcc:

Subject: Your Invoice

Here is the invoice for the boat you have ordered.

Attachment: QSYSPRT.502274.CMINER.CMINER0.1.PDF

Access for Water

To: Joe Customer  
1234 Beech Street  
Hometown, CA 12345

Date: Thursday, June 13, 2002

Invoice No: 9876543

Payment Due: Monday, July 15, 2002

Description	Part No	Quantity	Price	Amount
Hunter 33.5	004356	1	\$57,900.00	\$57,900.00
Boat trailer	199234	1	\$1,800.00	\$1,800.00
Boat anchor	043993	1	FREE	\$0.00
Subtotal				\$59,700.00
Tax				7.00%
TOTAL				\$63,879.00

# Run a System i Database Query

Clicked on 'View our selection of modestly priced boats'

- Administrator had previously built an SQL Query using the System i Access for Web 'Database' function
- Could also have been set up to show in an .XLS or .PDF format
  - a variety of other output types as well



Mozilla Firefox

File Edit View Go Bookmarks Tools Help

Back Forward Reload Stop Home Copy Paste Cut Print

http://seriesd.dfw.ibm.com/webaccess/WADbExec/sqloput.html?acce

Firefox Help Firefox Support Plug-in FAQ

mywebsearch Search Smiley Central Screensavers Cursor Mania PopSwatter Games My Info

**Access for Water** Supplying quality boats since 2002

[Home](#)

BNAME	BFEE	BYEAR	BCOST	BNT01
Mako Sportfisher	19	1989	13000	-Located in Anacortes, WA.
Monk Bridgedeck Cruiser	36	1956	19900	-Built of mahogany, oak, and cedar.
Carver Santa Cruz	28	1978	23900	-Constructed of fiberglass.
Bill Garden Schooner	36	1953	27500	-The hull is 1/8" caravel cedar planked atop 1 1/4" x 1 1/2" oak frames
Monk Flybridge/Sedan	34	1985	55000	-Double planked cedar on oak frames.
Hunter 33.5	33	1990	57900	-The boat has a large wheel steering a spade rudder.
Mariner Ketch	40	1979	63000	-Full keel and the rudder is keel hung
Morgan 382 Race/Cruise Sloop	38	1978	69000	-Has an Airex hull and skeg rudder. Has been rated by LLoyd's
Corsair 27	27	1994	69950	-Equipped for cruising and racing

IBM iSeries Service

# Mechanism to Distribute PC software/files to users

Clicked on 'Download client software'

- Administrator had previously packaged some PC software using the iSeries Access for Web 'Download' function
- Administrator controls who will see each of these download options via i5/OS user profiles



Name	Description	File	Size	Action
iSeries Access for Linux (i386)	iSeries Access for Linux contains a full 5250 emulator and an enhanced ODBC driver. For more information see: <a href="http://www.ibm.com/eserver/iseries/access/linux/">http://www.ibm.com/eserver/iseries/access/linux/</a> .	iSeriesAccess-5.2.0-1.6.i386.rpm	4,101,266	
iSeries Access for Linux (PPC)	iSeries Access for Linux contains a full 5250 emulator and an enhanced ODBC driver. For more information see: <a href="http://www.ibm.com/eserver/iseries/access/linux/">http://www.ibm.com/eserver/iseries/access/linux/</a> .	iSeriesAccess-5.2.0-1.6.ppc.rpm	4,291,646	
iSeries Access for Windows (Database) V5R4	iSeries Access for Windows ODBC driver, .Net provider, and Data Transfer. For more information see: <a href="http://www.ibm.com/eserver/iseries/access/windows/">http://www.ibm.com/eserver/iseries/access/windows/</a> .	iSeriesAccess-DB-5.4.0-S124893.exe	17,411,919	
iSeries Access for Windows (Minimal) V5R4	iSeries Access for Windows minimal install. For more information see: <a href="http://www.ibm.com/eserver/iseries/access/windows/">http://www.ibm.com/eserver/iseries/access/windows/</a> .	iSeriesAccess-MIN-5.4.0-S124893.exe	16,419,465	
iSeries Access for Windows (PC5250) V5R4	iSeries Access for Windows 5250 emulator and print drivers. For more information see: <a href="http://www.ibm.com/eserver/iseries/access/windows/">http://www.ibm.com/eserver/iseries/access/windows/</a> .	iSeriesAccess-PC5250-5.4.0-S124893.exe	24,173,661	
iSeries Access for Windows (PC5250 and Database) V5R4	iSeries Access for Windows 5250 emulator, print drivers, ODBC driver, .Net provider, and Data Transfer. For more information see: <a href="http://www.ibm.com/eserver/iseries/access/windows/">http://www.ibm.com/eserver/iseries/access/windows/</a> .	iSeriesAccess-PC5250-DB-5.4.0-S124893.exe	37,063,791	
Windows AFP Viewer Plug-in	The AFP Viewer plug-in lets you view AFP documents from a Web browser.	gnsp32dm.exe	9,957,466	



# Integrate use of IBM Telephone Directory Software

**IBM Telephone Directory product (plus two other web applications) are shipped with i5/OS V5R3/4 at no additional charge**

- **Clicked on 'IBM Telephone Directory', and searched on name of employee**




[Edit locations](#) [View examples](#)


**My BluePages lists**

Create lists of profiles you view often.

To get started, use the **Add to My BluePages** links on the search results page and when viewing an employee's profile.



**Miner, Carole A.**  
**IBM employee, Regular**  
 IBM Systems & Technology  
 Group, Development  
 Senior Software Engineer



Local time:  
12:06 |  
12:06PM

[Rochester, MN United States](#)

Building: 015 | Floor: 3 |  
Office: J202

---

My preferred contact method is e-mail

Phone: 1-507-253-4606 (T/L: 553-4606)  
 ITN:  25534606  
 Mobile: 1-507-269-0677  
 E-mail: [cminer@us.ibm.com](mailto:cminer@us.ibm.com)  
 Notes mail: Carole Miner/Rochester/IBM@IBMUS  
 Sametime status: [Sign in to view Sametime status](#)

---

Add to: [Notes address book](#) [Sametime list](#)  
[My BluePages list](#)

**Report to chain**

...

- [Austvold, Shawn](#)
- [Oenning, Steven](#)
- A. Miner, Carole A.**

Other views

- [Full report to chain](#)
- [Same manager](#)
- [Extended relationships](#)

# Try out Access for Web for yourself!

Start your browser and connect to the following web site:

<http://iseriesd.dfw.ibm.com/webaccess/iWAHome> (case sensitive)

<p><b>User ID = WUSER</b></p> <p><b>Password = demo2pwd</b></p>	<p>This shows the basic look of Access for Web as we ship it. You can try various functions -- including working with printer output, creating database requests, etc. Click on the 5250 tab, sign onto System i, then start an RPG application called BOATS and run it.</p>
<p><b>User ID = BOATADMIN</b></p> <p><b>Password = demo2pwd</b></p>	<p>This is an example of how a customer might design a web page for their use. You will see that an end user could start the same BOATS application by clicking on the 5250 session -- or they could have used HATS to run the application. You will also see other links that would let a user work with spoolfile information, work with IFS, run database requests, etc..</p>

# More Documentation...

## Article describing how 'Access for Water' web page was built

- **iSeries News, Oct 2006, "Tailor iSeries Access for Web" by Janet Weber**

Home » Article Archive » Article

### Tailor iSeries Access for Web

by [Janet Weber](#)

iSeries access for Web provides a browser interface to i5/OS resources. You can use it to access printer output, run database queries, start 5250 user interface sessions, and work with files in the IFS. But one of its most powerful features is its ability to be customized to fit the needs of individual users. Out of the box, iSeries Access for Web might be viewed as a set of utilities for accessing i5/OS resources. But the product can be transformed to look more as if it were designed for a specific company. Here, I provide an example of transforming iSeries Access for Web into a tool for selling boats.

#### Overview

You access iSeries Access for Web content through a set of URL-addressable pages. You can directly access any of the resource-specific functions (such as running a database request or starting a 5250 session), or you can start at one of the general product pages and navigate to the desired functionality.

iSeries Access for Web provides two general product pages: the home page (<http://system/webaccess/iWAHome>) and the main page (<http://system/webaccess/iWAMain>). The content of these pages is retrieved from static HTML files. The resource-specific pages' content is dynamically generated and enclosed within a static template, which is also supplied in a static HTML file.

The product provides default content for the home, main, and template files. The default home page contains a product overview and serves as a customized home page example. The default main page includes an overview of the iSeries Access for Web functions. The default template provides a header that displays the product name, current user, and current system. It also contains a footer with links to related sites. You can replace any or all of these files with your own content.

You use the customize feature of iSeries Access for Web to specify which files provide the static page content. To access the customize feature, you must have \*SECADM special authority or be granted administrator authority to the product. Once you have the proper authority

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**Printer Friendly**

**Related Topics:**

- Application Development
- iSeries Access/Client Access
- Web Development

**Other Articles By:**  
Weber, Janet

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- [Submit feedback about this article](#)

<http://www.systeminetwork.com/artarchive>

# Different Ways to Rollout Access for Web

- Use 'out of the box'
- Use 'out of the box', but set up predefined functions
- Create your own 'window' to your system through Access for Web
- Use the WebSphere Portal solution



# Access for Web has many entry points

'URL Interfaces to iSeries Access for Web' manual available on the web

- Can enter at many different pages

<http://<myiseries>/webaccess/iWAMain>

- Can use navigation bar to move from function to function

<http://<myiseries>/webaccess/iWA5250>

The screenshot shows the 'iSeries Access for Web' main page. On the left is a navigation menu with items like 'My Home Page', 'My Folder', 'Print', 'Messages', 'Jobs', '5250', 'Database', 'Files', 'Command', 'Download', 'Customize', and 'Other'. The main area contains a 'Sign On' section with fields for 'User', 'Password', 'Program/procedure', 'Menu', and 'Current library'. System information is displayed: 'System: ISERIESD', 'Subsystem: QINTER', and 'Display: QPADEV0018'. At the bottom, there are buttons for 'Attention', 'Refresh Screen', 'Field Exit', 'Page Up', 'System Request', 'Stop Session', 'Reset', and 'Page Down'. A copyright notice '(C) COPYRIGHT IBM CORP. 1980, 2003.' is visible.

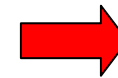
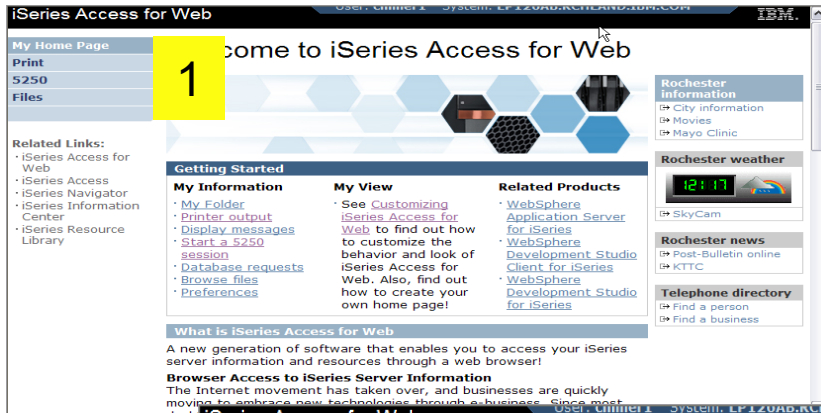
This screenshot shows the 'iSeries Access for Web' page with a red circle highlighting the navigation bar on the left. The main content area includes a welcome message, the text 'Pure Java servlet based access', and 'Industry standard protocol'. A description states: 'iSeries Access for Web is a set of servlets that run on iSeries servers as extensions to the HTTP server. The servlets provide access to databases, files, print queues, printer output, and messages contained on the iSeries server. iSeries Access for Web uses the industry standard HTTP and HTTPS protocols instead of proprietary TCP/IP ports and protocols. Firewall issues are much more manageable as a result.'

<http://<myiseries>/webaccess/iWASpool>

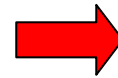
The screenshot shows the 'Printer Output for CMINER' page. It features a table with columns: File Name, User, Data, Creation Date/Time, Pages Per Copy, Copies, Status, Action, User, and Job Name. The table lists several print jobs, including PDF printer output, Internet printers, printer shares, and output queues. The status of all jobs is 'Ready'.

File Name	User	Data	Creation Date/Time	Pages Per Copy	Copies	Status	Action	User	Job Name	N
PDF printer output										
Printers										
PDF printers										
Internet printers										
Internet printer shares										
Printer shares										
Output queues										
Messages										
Jobs										
5250										
Database										
Files										
Command										
Download										
Customize										
Other										

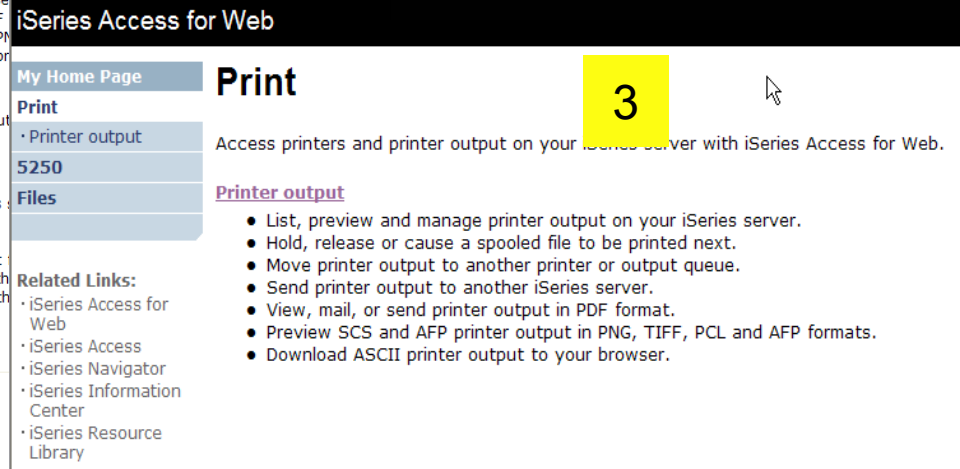
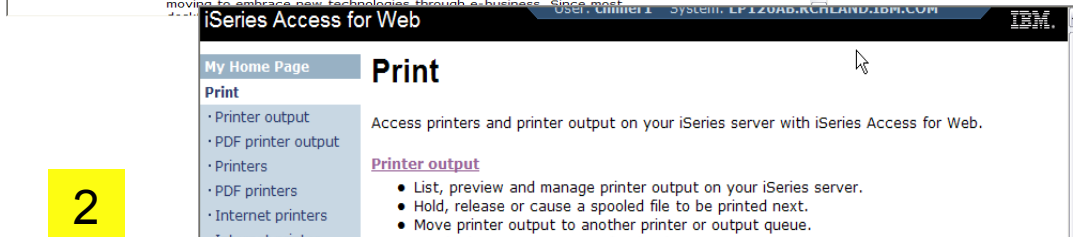
# Reduce functions you give to users



Reduce tabs that get displayed



Reduce options under tabs



# Printer Output - Spoolfile

## 1. Print Tab

- User only has one option available, ie, 'Printer

## 2. Default look of 'Printer Output'

## 3. Customized look of 'Printer Output' for signed on user

- Removed many of the columns of printer output
- Reordered list
- Removed several end user actions

1

**Print**

Access printers and printer output on your iSeries server with iSeries Access for Web.

**Printer output**

- List, preview and manage printer output on your iSeries server.
- Hold, release or cause a spooled file to be printed next.
- Move printer output to another printer or output queue.
- Send printer output to another iSeries server.
- View, mail, or send printer output in PDF format.
- Preview SCS and AFP printer output in PNG, TIFF, PCL and AFP formats.
- Download ASCII printer output to your browser.

**Printer Output for cminer**

File Name	User	Creation Date/Time	Pages Per Copy	Copies	Status	Action	User	Job Name	Job Number	File Number
QSYSVRT	CMINER	12/15/05 4:31 PM	1	1	Ready	[Icons]	CMINER	CMINER0	502274	
QSYSVRT	CMINER	12/15/05 4:31 PM	1	1	Ready	[Icons]	CMINER	CMINER0	502274	
QSYSVRT	CMINER	12/15/05 4:32 PM	1	1	Ready	[Icons]	CMINER	CMINER0	502274	
QSYSVRT	CMINER	12/15/05 4:32 PM	1	1	Ready	[Icons]	CMINER	CMINER0	502274	
QSYSVRT	CMINER	12/15/05 4:39 PM	1	1	Ready	[Icons]	CMINER	CMINER0	502274	
QPRINT	CMINER	12/15/05 4:41 PM	1	1	Ready	[Icons]	CMINER	QIWAPDFSTR	502281	
QPRINT	CMINER	12/15/05 4:50 PM	1	1	Ready	[Icons]	CMINER	QIWAPDFSTR	502285	
QPRINT	CMINER	12/15/05 4:52 PM	1	1	Ready	[Icons]	CMINER	QIWAPDFSTR	502287	
QPRINT	CMINER	12/15/05 4:57 PM	1	1	Ready	[Icons]	CMINER	QIWAPDFSTR	502291	

3

**Printer Output for cminer1**

File Name	Job Name	Creation Date/Time	Pages Per Copy	User	Priority	Action
QPJOBLOG	CMINER10	12/16/05 6:23 PM	2	CMINER1	5	[Icons]
QPJOBLOG	CMINER13	12/16/05 10:23 PM	2	CMINER1	5	[Icons]
QSYSVRT	CMINER10	12/19/05 10:33 AM	1	CMINER1	5	[Icons]
QSYSVRT	CMINER10	12/19/05 10:33 AM	1	CMINER1	5	[Icons]
QSYSVRT	CMINER10	12/19/05 10:33 AM	1	CMINER1	5	[Icons]

# Printer Output - Spoolfile

## 1. Requested 'View PDF'

- Can select any option on pulldown for my printer output

## 2. View in Browser

- Shows overlays, etc
- Can print on any printer in network

## 3. Send .PDF document in an email

- Mail server does not have to be installed on System i

iSeries Access for Web User: cminer1 Sys

My Home Page  
Print  
Printer output  
5250  
Files

PDF Output Settings

Destination: Browser [v] Settings ?

Advanced  
Browser  
Mail as attachment  
Personal folder  
Output Queue

Run

Related Links:  
iSeries Access for

Access for 2

To: Joe Customer  
1234 Beach Street  
Hometown, CA 12345

Date: Thursday, June 13, 2002  
Invoice No.: 9876543  
Payment Due: Monday, July 15, 2002

Description	Part No.	Quantity	Price	Amount
Hunter 33.5	004356	1	\$57,900.00	\$57,900.00
Boat trailer	199234	1	\$1,800.00	\$1,800.00
Boat anchor	043993	1	FREE	\$0.00

Convert Printer Output to PDF 3

iSeries Access for Web User: cminer1 System: LP126A8.RCHLAND

My Home Page  
Print  
Printer output  
5250  
Files

Convert Printer Output to PDF

From: cminer@us.ibm.com  
To: [input field]  
cc: [input field]  
bcc: [input field]  
Subject: [input field]

Attachment: QSYSVRT.507343.CMINER1.CMINER10.3.PDF

Send Cancel

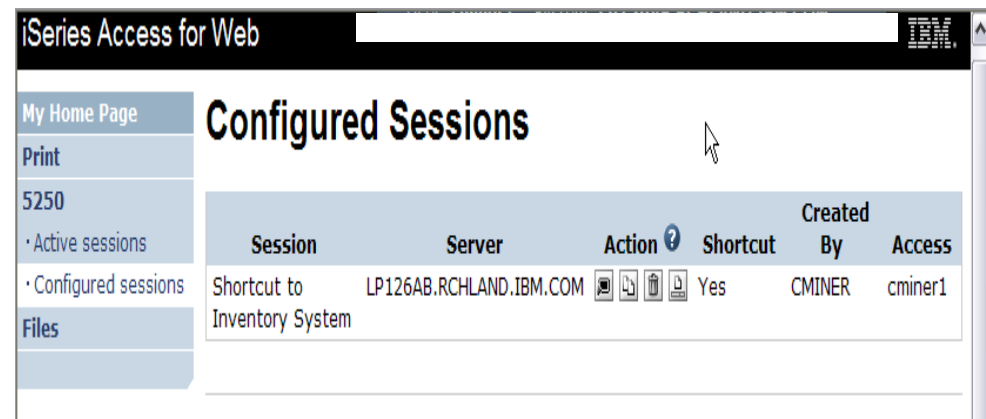
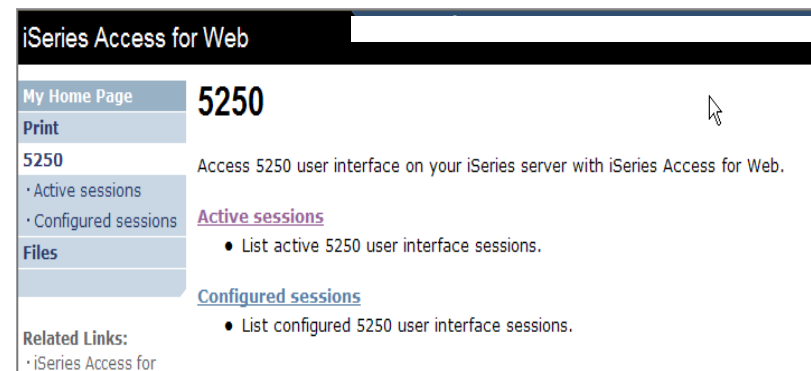
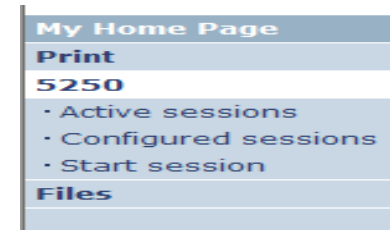
IBM | iSeries | Service



# Run Pre-Configured 5250 Sessions

You want to limit users to only starting 5250 sessions that you have preconfigured

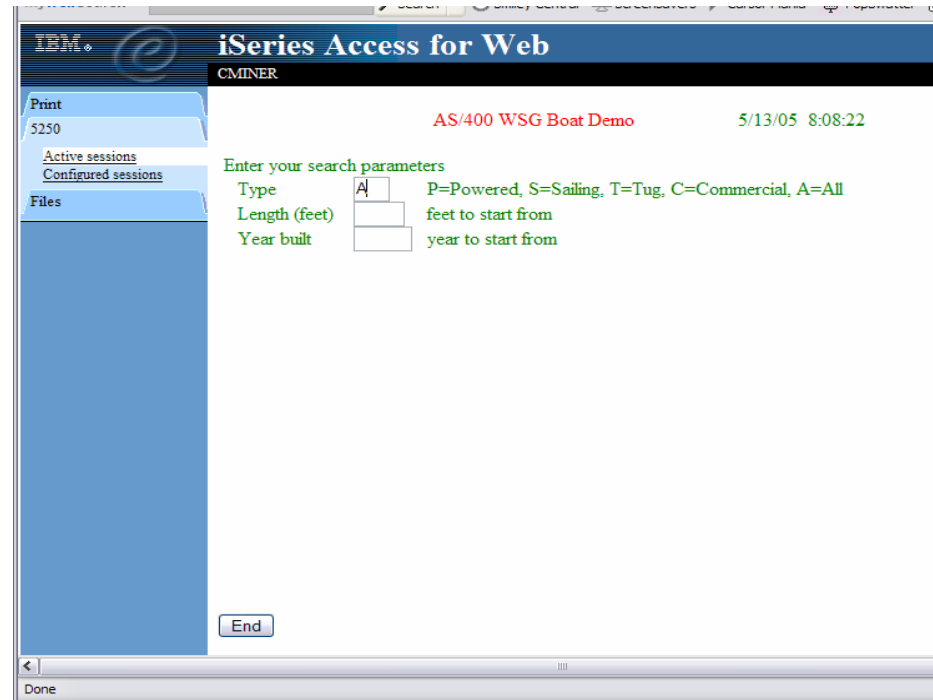
- You have removed user's ability to configure a session
- User selects 'Configured Sessions'
  - Only one listed, only action user can perform is to 'start' it
- User clicks on Start



# User can run 5250 application

## User is placed in this application

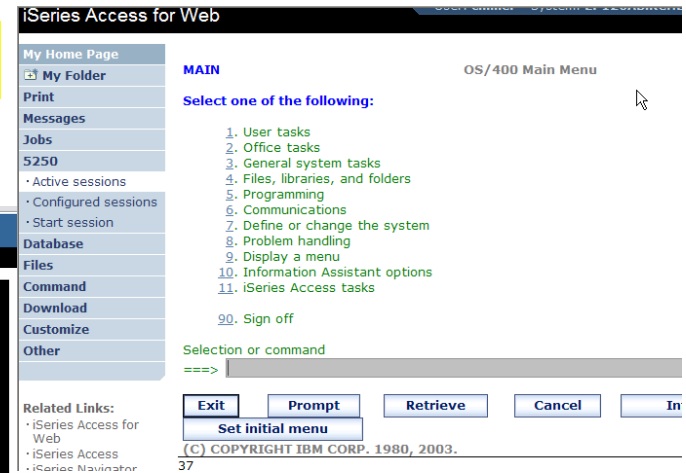
- The session could be configured to include a macro to put the user directly into a specific application on System i
  - Or on a menu screen
- Use CHGUSRPRF, LMTCPB=Yes to remove command line from user's screen



# Change look of 5250 session

## 1. Default 'web' look

1



## 2. Changed colors, added keypad at side, changed buttons at bottom to words

4

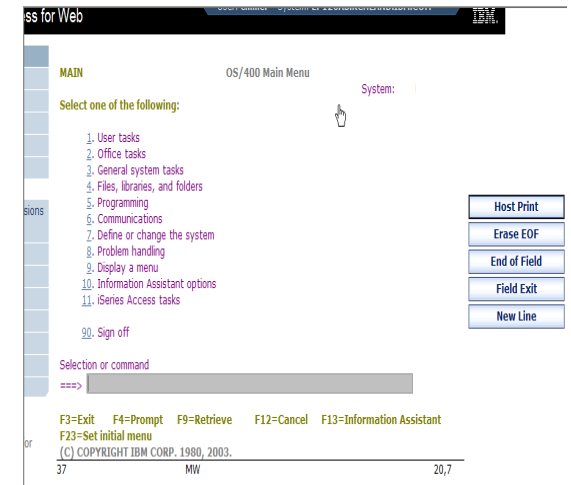
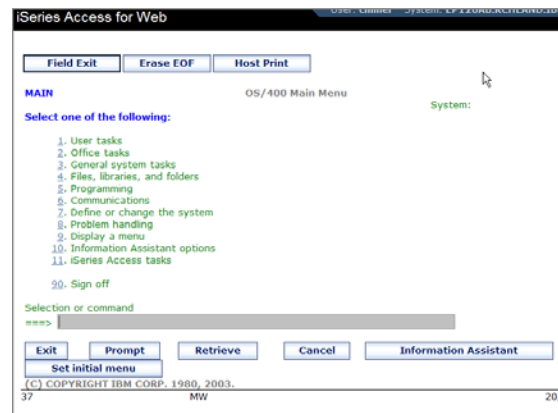


2

## 3. Removed navigation bar, put keypad on top

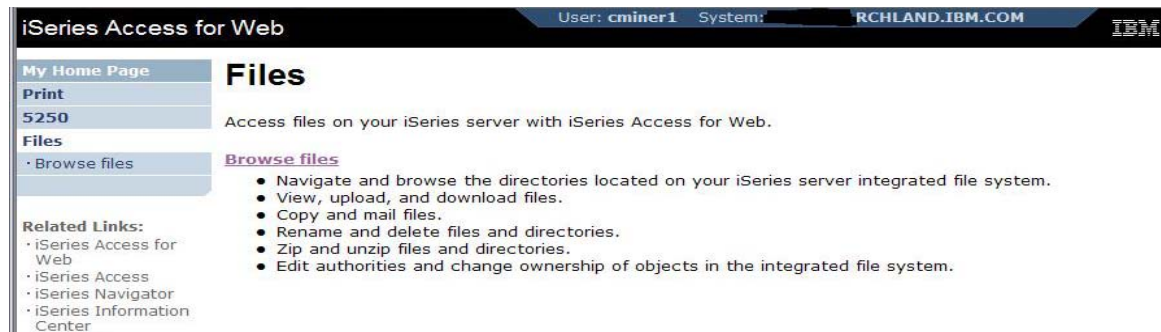
## 4. Selected 'traditional' view, removed navigation bar

3



# Work with Files in the IFS

- **Navigate and browse the directories located on your System i server integrated file system**
  - **Don't need to map drives**
  - **Don't need to know directory structures**



- **View, upload, and download files**
- **Copy and mail files**
- **Rename and delete files and directories**
- **Zip and unzip files and directories**
- **Edit authorities and change ownership of objects in the integrated file system**

# Browse Files - 'Filtered View'

When I click on 'Browse Files', I see only a directory called 'cminer1' and its content

- **Because the administrator set a 'Default Directory' policy for me**

Actions I can perform:

- **Subdirectories:** Create new ones, Rename, Work with
- **Files:** Copy, Rename, Delete, Mail, Work with (ie, Zip, Unzip, etc)

The screenshot shows the 'iSeries Access for Web' interface. The main content area displays the 'Directory Contents /CMINER1' with a table of files. The table has columns for Name, Size (bytes), Type, Modified, and Action. Below the table, there is a 'Copy Files to Server' button.

Name ^	Size (bytes)	Type	Modified	Action
<a href="#">AMP23 Use iSeries Access for iSeries Database Access.ppt</a>	12799488	File	12/19/05 11:32:18 AM	[Icons]
<a href="#">ASJ 2005 NovDec A new beta is out for iSeries Access for Web.doc</a>	873472	File	12/19/05 11:29:19 AM	[Icons]
<a href="#">ISN 2005 Dec Cool Tips about iSeries Access.doc</a>	158208	File	12/19/05 11:30:36 AM	[Icons]
<a href="#">V5R4 iSeries Access for Web RUN SQL Output Options.JPG</a>	97627	File	12/19/05 11:31:34 AM	[Icons]

# Different Ways to Rollout Access for Web

- Use 'out of the box'
- Use 'out of the box', but set up predefined functions
- Create your own 'window' to your system through Access for Web



- Use the **WebSphere Portal solution**

# Portal Solutions – the next wave in technology

For most organizations, the decision to invest in an enterprise portal is not a question of “if,” but “when”?

(Craig Roth, VP META Group, 6/3/03)



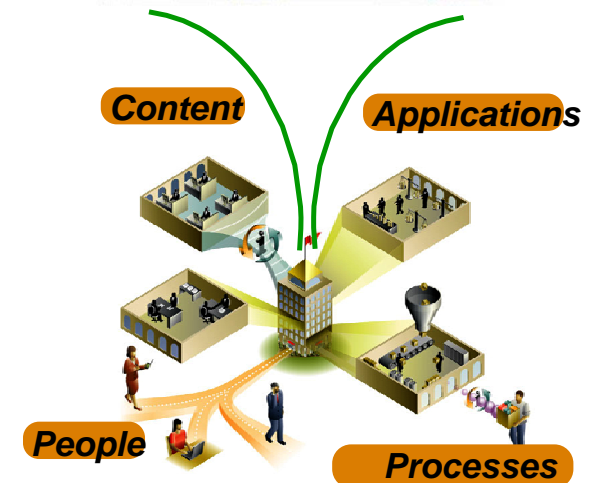
# WebSphere Portal Offerings for i5/iSeries

## i5 Models 550, 570 and 595

- Workplace Services Express V2.5 included
- WSE has wizards to simplify deployment on IBM i5/OS V5R3 and V5R4
- WSE has improved performance and reduces system requirements
- WSE enables you to deploy solutions for document management, instant messaging, and portal all on one server

## i5 Model 520

- Workplace Services Express V2.5 ships with Enterprise Edition



**Note:** Depending on the System i, you may also be entitled to services and education vouchers.



# Portal with System i – additional info

*Flexible portal licensing (per-user OR per-processor pricing)*

<b>eServer iSeries systems purchased before July 12, 2005</b>	
<b>eServer iSeries Model/ Edition</b>	<b>User licenses of IBM WebSphere Portal – Express Plus V5.0.2 included</b>
eServer iSeries 825, 870, and 890 with Enterprise Edition	20
eServer iS 520 with Enterprise Edition	20
eServer iS 550 with Enterprise Edition	40
eServer iS 570 with Enterprise Edition	60
eServer iS 595 with Enterprise Edition	80

<b>eServer iSeries systems purchased on or after July 12, 2005</b>	
<b>IBM WebSphere Portal – Express Plus</b>	
<b>eServer iSeries Model/ Edition</b>	<b>User licenses of IBM WebSphere Portal – Express Plus V5.0.2 included</b>
eServer iSeries 825, 870, and 890 with Enterprise Edition	20
eServer iS 520 with Enterprise Edition	20

<b>IBM Workplace Services Express</b>	
<b>eServer iSeries Model/ Edition</b>	<b>User licenses of IBM Workplace Services Express V2.5 included</b>
eServer iS 550 with Solution Edition	40
eServer iS 550 with Enterprise Edition	40
eServer iS 570 with Enterprise Edition	60
eServer iS 595 with Enterprise Edition	80

# Portal built for IBM Employees

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IBM

**w3** Carole A. Miner's On Demand Workplace
 
[w3 Home](#) | [BluePages](#) | [HelpNow](#) | [Feedback](#)

[Home](#) | [Work](#) | [Career and life](#)

[Edit tab](#) | [Add new tab](#) | [Show layout tools](#) | [Help](#)

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Analysts look at the long term and fear predictions may be wrong. [Profiled for all IBM]


**Five innovations, five years**

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Created at 1:20 PM EST on 7 Feb 2007

# Portal built on i5/OS

WebSphere Portal Administration Edit my profile ?

New Page Edit Page Assign Permi

Welcome My Work My Finances My Newsroom My iSeries My Favorites

My Page

IBM.

Welcome to WebSphere Portal version 5.0

To rearrange portlets on this page, click the **Show tools** icon. This action produces tools that allow you to arrange and remove portlets. Click **Edit page** to add new portlets or change page layout.

To create a page, click **New page**.

Bookmarks

- WebSphere Portal home
- WebSphere Portal Zone
- WebSphere Portal catalog
- WebSphere Portal product documentation
- WebSphere Portal support
- WebSphere Portal offerings

About WebSphere Portal

My Vertical News

**"Iraq al-Qaeda link" - 15 Islamists are arrested in Spain**  
 A handcuffed suspect is led away by members of the Spanish Police following a raid against suspected members of a radica ...

**World News (includes photo)**

- "Iraq al-Qaeda link" - 15 Islamists are arrested in Spain
- U.S. releases some Saddam-era detainees
- Israel's Sharon suffers minor stroke
- Baghdad hospital car bomb kills two

**US News (includes photo)**

- Unrest in Congress over Bush's wiretaps
- Secretary of State defends NSA spying
- Time honors three who live to give
- NYC transit strike begins

**Market & Economy News**

- Late shoppers get benefit of bargain

My Stocks

Monday, December 19, 2005 1:31:00 PM E

▲ IBM	83.48	0.11	0.1
▼ \$COMPO	2,235.15	-17.33	-0.7
▲ \$DJI	10,900.56	24.97	0.2
▼ \$SPX	1,263.98	-3.34	-0.2

Data delayed at least 20 minutes.

Get Quote Symbol Looku

MarketWatch © MarketWatch, Inc. 2005  
 Intraday data provided by ComStock, a  
 Interactive Data Company.

My Weather

Monday, December 19, 2005 5:18:00 PM C

	<b>Raleigh, North Carolina</b>	<b>48°</b>
	Partly Sunny	24°/
	<b>Stuttgart, Germany</b>	<b>30°</b>
	Snow	24°/
	<b>Beijing (Peking), China</b>	<b>23°</b>
	Partly Cloudy	17°/
	<b>Tokyo, Japan</b>	<b>36°</b>
	Clear	31°/

# System i Access for Web Portlets on System i Portal

The screenshot displays the System i Portal interface. At the top, there is a navigation bar with links for 'Welcome', 'My Work', 'My Finances', 'My Newsroom', and 'My iSeries'. The 'My iSeries' link is circled in red. Below the navigation bar, there is a section for 'iSeries 5250 Session' with a 'Start Session' button. The main content area is titled 'Welcome' and contains a list of iSeries Access portlets:

- 5250 portlet
  - Run commands and access full-screen 5250 character-based applications.
- IFrame portlet
  - Access any of the iSeries Access for Web servlets using the IFrame portlet.
- Integrated file system (IFS) browsing portlets
  - Browse the iSeries integrated file system.
  - View, edit, upload and download files.
- Printers, printer output, and output queues portlets
  - View printer status, start and stop the writer job associated with a printer.
  - Hold, release, print, delete and view printer output files.
  - Move printer output files to another output queue or printer.
  - Hold and release output queues.
- Database tables and SQL portlets
  - View database tables, add and update records.
  - View query results, customize format of results.
  - Run SQL statements dynamically.
- Commands portlets
  - Run CL commands.

At the bottom of the page, there is a paragraph of text: "The iSeries Access portlets are included with iSeries Access for Web. The iSeries Access for Web product is part of the iSeries Access Family (5722-XW1). For more information regarding iSeries Access, iSeries Access for Web, and the iSeries Access..."

## Portlet Support added to System i Access for Web

V5R4	V5R3 PTF SI11914 (May 2004)	V5R3 (Jan 2004)
<ul style="list-style-type: none"> <li>• <b>Single Sign-on (SSO)</b> <ul style="list-style-type: none"> <li>– Via WAS Security model</li> <li>– 5250 Bypass signon option</li> </ul> </li> <li>• <b>Database</b> <ul style="list-style-type: none"> <li>– OpenOffice spreadsheet format (.ods)</li> <li>– iSeries SQL Requests</li> <li>– Viewer to look at iSeries SQL results</li> </ul> </li> <li>• <b>Files</b> <ul style="list-style-type: none"> <li>– Zip function to zip files in IFS</li> </ul> </li> <li>• <b>iSeries Credentials</b> <ul style="list-style-type: none"> <li>– Users can change i5/OS password via iSeries Access for Web, and it will additionally update currently defined credentials with the new password value.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>File</b></li> <li>• <b>Print</b></li> <li>• <b>Database</b></li> <li>• <b>Command</b></li> <li>• <b>Credentials</b></li> <li>• <b>Related Links</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>5250</b></li> <li>• <b>iFrame</b></li> <li>• <b>Welcome</b></li> </ul>

# System i Access Portlet Views – V5R4

Welcome to the iSeries Access portlets - specifically developed for iSeries Access customers. These portlets allow you to access information on your iSeries servers through a Web browser.

iSeries Access portlets include the following:

- 5250 portlet
  - Run commands and access full-screen 5250 character-based applications.
- IFrame portlet
  - Access any of the iSeries Access for Web servlets using the IFrame portlet.
- Integrated file system (IFS) browsing portlets
  - Browse the iSeries integrated file system.
  - View, edit, upload and download files.
- Printers, printer output, and output queues portlets
  - View printer status, start and stop the writer job associated with a printer.
  - Hold, release, print, delete and view printer output files.
  - Move printer output files to another output queue or printer.
  - Hold and release output queues.
- Database tables and SQL portlets
  - View database tables, add and update records.
  - View query results, customize format of results.
  - Run SQL statements dynamically.
- Commands portlets
  - Run CL commands.

The iSeries Access portlets are included with iSeries Access for Web. The iSeries Access for Web product is part of the iSeries Access Family (5722-XW1). For more information regarding iSeries Access, iSeries Access for Web, and the iSeries Access portlets, refer to the following web sites:

**Printer Output** View and work with printer output

Showing 1 - 1 of 1 Page 1 of 1

Actions	File Name	Status	User Data	User	Job Name	Job Number	File Number	Creation Date/Time	Pages
[Refresh]	QPJOBLOG	*READY	QPADEV0007	JAVACTL	QPADEV0007	032472		1 11/16/05 1:55 PM	

Showing 1 - 1 of 1 Page 1 of 1

**iSeries Printers** Connection was dropped unexpectedly. Use iSeries Printer Output or other cooperative portlets to select a printer.

Showing 0 - 0 of 0 Page 1 of 1

**iSeries Printer Output Queues**

Showing 1 - 10 of 17 Page 1 of 2

Library	Output Queue	Description	Status	Files	Writer	Actions
QASES1	QASES1	WEBSPPHERE - EXPRESS OUTPUT QUEUE	RELEASED	0		[Refresh]
QJBASS1	QJBOUTQ	WEBSPPHERE OUTPUT QUEUE	RELEASED	0		[Refresh]

Use edit mode to configure this function. If edit mode is not available, contact your system administrator.

Use edit mode to configure this function. If edit mode is not available, contact your system administrator.

SQL statement: [Text Box] [Run SQL]

**iSeries SQL Requests**

Name	Size (bytes)	Type	Modified
ASFTomcat		Directory	10/5/05 6:17:52 AM
bin		Directory	10/4/05 1:53:45 PM
dev		Directory	10/4/05 1:53:44 PM
etc		Directory	10/5/05 8:14:52 AM
home		Directory	11/16/05 9:38:49 PM
...tallShield		Directory	10/4/05 4:38:21 PM
...ll		Directory	10/4/05 1:56:34 PM
PSF400		Directory	11/15/05 9:53:29 AM
QDLS		Directory	10/4/05 1:46:56 PM
QFileSvr_400		Directory	10/4/05 1:46:57 PM

Showing 1 - 10 of 47 Page 1 of 5

**iSeries File List - Viewer**

Use iSeries File List or other cooperative portlets to select a file to view.

**Directory Contents /**

Showing 1 - 10 of 47 Page 1 of 5

Name	Size (bytes)	Type	Modified
ASFTomcat		Directory	10/5/05 6:17:52 AM
bin		Directory	10/4/05 1:53:45 PM
dev		Directory	10/4/05 1:53:44 PM
etc		Directory	10/5/05 8:14:52 AM
home		Directory	11/16/05 9:38:49 PM
...tallShield		Directory	10/4/05 4:38:21 PM
...ll		Directory	10/4/05 1:56:34 PM
PSF400		Directory	11/15/05 9:53:29 AM
QDLS		Directory	10/4/05 1:46:56 PM
QFileSvr_400		Directory	10/4/05 1:46:57 PM

Showing 1 - 10 of 47 Page 1 of 5

**iSeries File List - Editor**

Use iSeries File List or other cooperative portlets to select a file to edit.

**iSeries Zip File**

To work with an existing zip file, use iSeries File List to select the zip file. To create a new zip file, use the "Create Zip File" button or use iSeries File List to select the directory in which to create the new zip file.

[Create Zip File]

**Copy File to Server**

File: [Text Box] [Browse...]

Replace if exists

[Copy to Server]

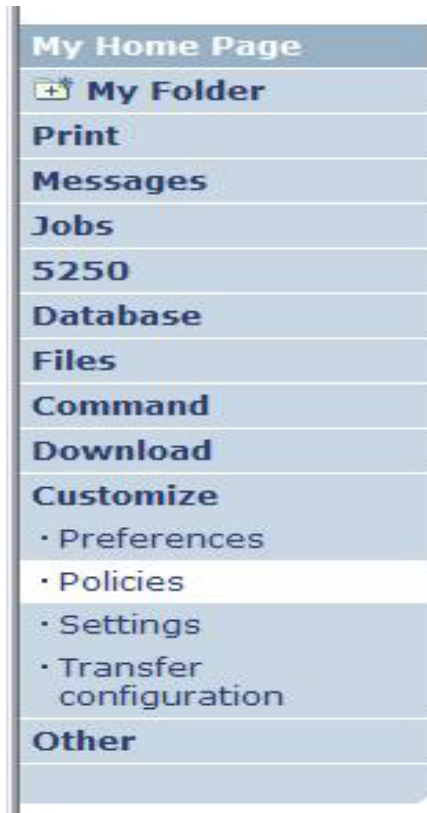


- **Use 'out of the box'**

- **Use 'out of the box', but set up predefined functions**
- **Create your own 'window' to your system through Access for Web**
- **Use the WebSphere Portal solution**



# Control User Access to functions



1. How do I keep my users from using all these functions?
2. How do I set up the environment for my users?
3. Should I let my users set have some individual screen settings for some functions?

You need \*SECADM authority to customize profiles



## Access for Web uses OS/400 User Profiles

When a System i Access for Web user attempts to access any function on a System i, the following sequence of checks are made to authenticate user access:

- User profile
- Group profile(s)
- \*PUBLIC profile

\*PUBLIC profile is the set of default policy settings shipped with Access for Web

- The defaults allow most functions to be available to all users

The settings in these policies indicate what functions within System i Access for Web, a user can attempt to use.

- For Example: Let's say you give users full access to the 'Database' tab.
- You have Object Level authority set up on your data
- When a user attempts to use one of the System i Access for Web Database GUIs to get at the database information, the user will get an i5/OS message indicating they are not authorized to access data

# Customize → Policies

**Policies are used to control access to System i Access for Web functions**

**For example:**

- **A Files access policy can be set to Deny or restrict a user or group from accessing the file function.**
- **Policies are saved and associated with the appropriate i5/OS user or group profile.**
- **Each 'Category' expands for granular control**

My Home Page

My Folder

Print

Messages

Jobs

5250

Database

Files

Command

Download

Customize

• Preferences

• Policies

• Settings

• Transfer configuration

Other

Related Links:

- iSeries Access for Web
- iSeries Access
- iSeries Navigator
- iSeries Information Center

## Policies

Profile: **CMINER1**

Action	Category	Description	Access
	5250	5250 user interface custom settings.	Allowed
	Command	Run batch command custom settings.	Allowed
	Customize	Preferences and policy administration custom settings.	Allowed
	Database	Database tables, requests, and run SQL custom settings.	Allowed
	Database connections	Create and edit database connection definitions.	Allowed
	Download	Download packages custom settings.	Allowed
	Files	Integrated file system and file share custom settings.	Allowed
	General	Page layout, language and character set custom settings.	Allowed
	Jobs	Work with jobs custom settings.	Allowed
	Mail	Send mail custom settings.	Allowed
	Messages	Display messages, send messages, and message queue custom settings.	Allowed
	My Folder	My Folder custom settings.	Allowed
	Print	Printer output, printers, printer shares and output queue custom settings.	Allowed
	Sametime	Lotus Sametime custom settings.	Allowed
	Other	Change password and other miscellaneous custom settings.	Allowed

# Policies - customize for all users at once

One alternative...

Use the \*PUBLIC group profile and set policies for all users

- 'Deny' functions for all users in a single step
- Then 'Allow' specific users access to functions via their User or Group profiles

Problem:

You're locked out too, until you go in and **“Allow”** functions to yourself



iSeries Access for Web System: RCHLAND.IBM.COM

**Policies** Profile: \*PUBLIC

Action	Category	Description	Access
	5250	5250 user interface custom settings.	Allowed
	Command	Run batch command custom settings.	Allowed
	Customize	Preferences and policy administration custom settings.	Allowed
	Database	Database tables, requests, and run SQL custom settings.	Allowed
	Database connections	Create and edit database connection definitions.	Allowed
	Download	Download packages custom settings.	Allowed
	Files	Integrated file system and file share custom settings.	Allowed
	General	Page layout, language and character set custom settings.	Allowed
	Jobs	Work with jobs custom settings.	Allowed
	Mail	Send mail custom settings.	Allowed
	Messages	Display messages, send messages, and message queue custom settings.	Allowed
	My Folder	My Folder custom settings.	Allowed
	Print	Printer output, printers, printer shares and output queue settings.	Allowed
	Sametime	Lotus Sametime custom settings.	Allowed
	Other	Change password and other miscellaneous custom settings.	Allowed

Related Links:

- iSeries Access for Web
- iSeries Access
- iSeries Navigator
- iSeries Information

# Good articles on setting up users

## iSeries 400 Experts Journal

- Sept/Oct 2006, 'iSeries Access for Web: Getting Started'
- Nov/Dec 2006, 'Making iSeries Access for Web available to your users: Beyond the Basics'
- Mar/Apr 2007, iSeries Access for Web: Additional Tips on rolling 5250 out to users'



# Policies - customize a group of users at once

## Another Alternative...

Set up a group profile and add users to that group. Then set policies for that group

- 'Deny' functions for all users in the group in a single step

## Problem:

If you create multiple groups, you need to keep track of what policies were set for who.

iSeries Access for Web RCHLAND.IBM.COM IBM

**SALES**

Profile: \*PUBLIC

Action	Category	Description	Access
<input checked="" type="checkbox"/>	5250	5250 user interface custom settings.	Allowed
<input checked="" type="checkbox"/>	Command	Run batch command custom settings.	Allowed
<input checked="" type="checkbox"/>	Customize	Preferences and policy administration custom settings.	Allowed
<input checked="" type="checkbox"/>	Database	Database tables, requests, and run SQL custom settings.	Allowed
<input checked="" type="checkbox"/>	Database connections	Create and edit database connection definitions.	Allowed
<input checked="" type="checkbox"/>	Download	Download packages custom settings.	Allowed
<input checked="" type="checkbox"/>	Files	Integrated file system and file share custom settings.	Allowed
<input checked="" type="checkbox"/>	General	Page layout, language and character set custom settings.	Allowed
<input checked="" type="checkbox"/>	Jobs	Work with jobs custom settings.	Allowed
<input checked="" type="checkbox"/>	Mail	Send mail custom settings.	Allowed
<input checked="" type="checkbox"/>	Messages	Display messages, send messages, and message queue custom settings.	Allowed
<input checked="" type="checkbox"/>	My Folder	My Folder custom settings.	Allowed
<input checked="" type="checkbox"/>	Print	Printer output, printers, printer shares and output queue custom settings.	Allowed
<input checked="" type="checkbox"/>	Sametime	Lotus Sametime custom settings.	Allowed
<input checked="" type="checkbox"/>	Other	Change password and other miscellaneous custom settings.	Allowed

Related Links:  
 • iSeries Access for Web  
 • iSeries Access  
 • iSeries Navigator  
 • iSeries Information

# Set Policy to Default to Specific Directory in IFS

Set a 'Default Directory' for:

- **\*PUBLIC**
- **Groups of users**
- **Specific user**

**Edit Policies - Files**  
Profile: CMINER1

Policy	Derived From	Action	Setting
Files access	Shipped default	Use current setting	Allow
Files tab	Shipped default	Use current setting	Show
Display directory contents in new window	Shipped default	Use current setting	No
Enable sort links for directory contents	Shipped default	Use current setting	Yes
Display directory contents statistics	Shipped default	Use current setting	Yes
Browse files	Profile setting	Use current setting	Allow
Copy files to server	Shipped default	Use current setting	Allow
Copy files from server	Shipped default	Use current setting	Allow
Default directory	Profile setting	Use current setting	/cminer1
Display subdirectory contents	Shipped default	Use current setting	Allow
Display parent directory contents	Shipped default	Use current setting	Allow
Display default directory	Shipped default	Use current setting	Deny

*In this example, I went into CMINER1 profile, and set policy to show only the 'CMINER1' directory to this user...*



# How to Configure a 5250 Session and save it

## Select to 'Start Session'

1

- Provide name of System i you wish to connect to → can be any system in the network
- Provide how you want Workstation ID handled
- Can check to Bypass additional i5/OS sign-on screen

**iSeries Access for Web**

**Start Session**

Server: MYISERIES.RCHLAND.IBM.COM

Port: 23

Code page: 37

**Workstation ID**

Use user ID

Specify workstation ID

Avoid duplicates for this user

Avoid duplicates with other users

**General**

Initial macro: [dropdown]

Bypass signon

Display HTML data in fields

**Start Session**

[Active sessions](#)  
Work with your active sessions.

[Configured sessions](#)  
Work with your configured sessions.

2

**My Home Page**

**Field Exit** **Erase EOF** **Host Print**

**MAIN** OS/400 Main Menu System: LP126AB

Select one of the following:

1. User tasks
2. Office tasks
3. General system tasks
4. Files, libraries, and folders
5. Programming
6. Communications
7. Define or change the system
8. Problem handling
9. Display a menu
10. Information Assistant options
11. iSeries Access tasks
20. Sign off

Selection or command  
====>

**Exit** **Prompt** **Retrieve** **Cancel** **Information Assistant**

Type option number or command  
37 MW 20,7

**Macros**  
**Start Recording**

Once you are connected, click on the 'Active' session link to save this session



# How to Configure a 5250 Session and save it (continued)

## Click on Active Session link

3

- Click on 'Edit' icon in Actions column
- Can set colors, define keypads, etc.

Server	Session	Started	Last Accessed	View	Action
RCHLAND.IBM.COM	A	12/20/05 5:11:57 PM CST	12/20/05 5:12:47 PM CST	Web	

## You then save your 'Active' session and give it a name

4

- Next time you want to start that session, you simply click on **'Configured Sessions'**

**Active Session Settings**

⚠ Configured session name must be specified.

Session:

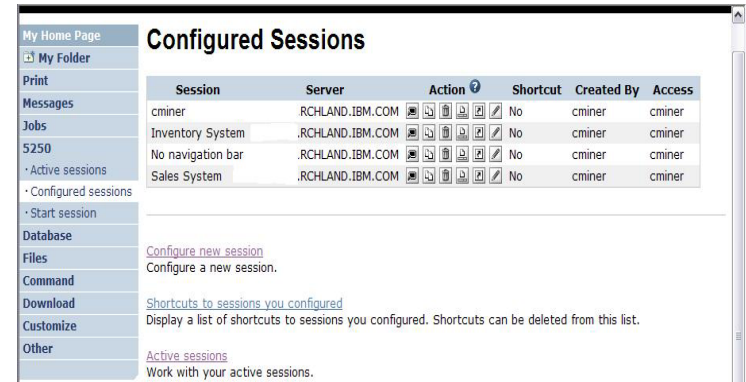
Replace if already exists

# How to Configure a 5250 Session and save it (continued)

## Click on Configured Sessions

5

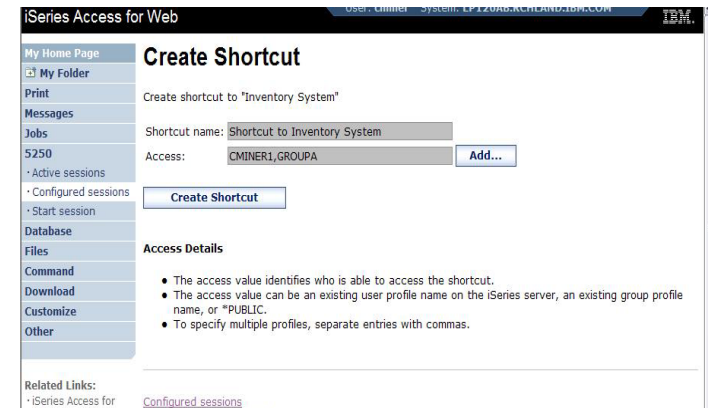
- On 'Inventory System' select the Action Icon to 'Create Shortcut'



## Give access to your Configured Session via Shortcuts

6

- Add the users, groups of users, or all users (\*Profile) whom you want to be able to use this session connection



# Shortcut to Configured Session (continued)

## User CMINER1

- Does not have a 'Start Session' link
- Has only has 'Configured Sessions' link
- Has a Shortcut to a Configured Session created by CMINER

## Policies have been set on CMINER1

- So that the only Action user can take is to start this session. User cannot:
  - Copy, Delete, Rename, Create Another Shortcut, Edit

iSeries Access for Web User: cminer1 System: System

7

### Configured Sessions

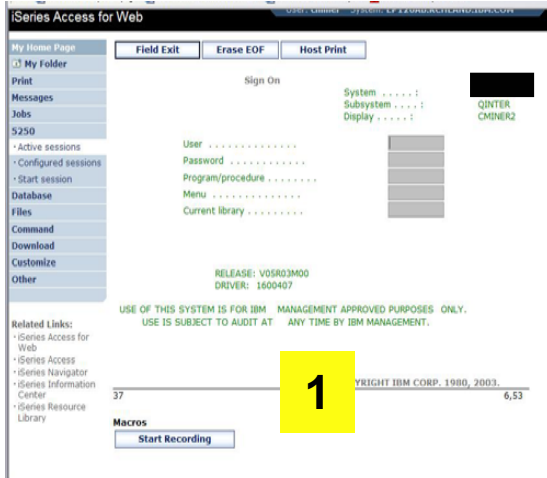
Session	Server	Action	Shortcut	Created By	Access
Shortcut to Inventory System	.RCHLAND.IBM.COM		Yes	cminer	cminer1
Shortcut to Inventory System	.RCHLAND.IBM.COM		Yes	cminer	GROUPA

Related Links: [Active sessions](#)

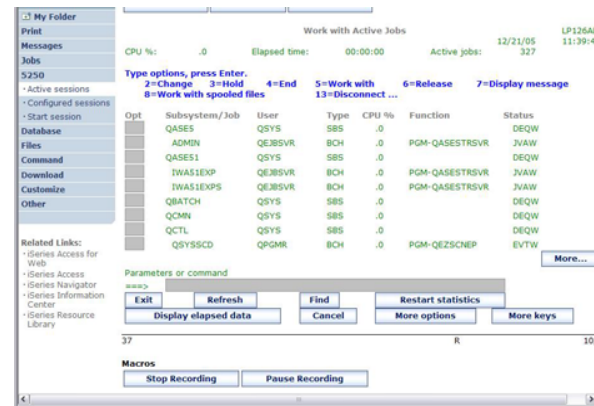


# Record and Save Your Macro

Press **Stop Recording** when you've reached point you want users to come in at



2

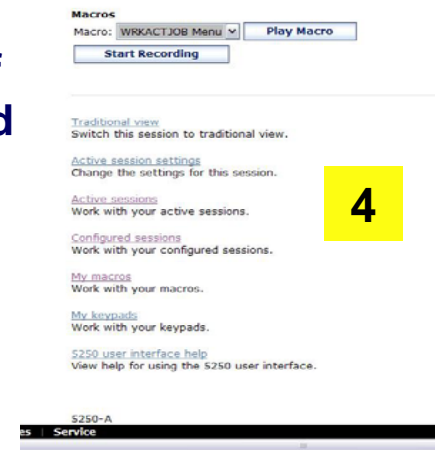


Start at i5/OS sign-on screen and click on **Start Recording** to create your macro



Then give the Macro a name

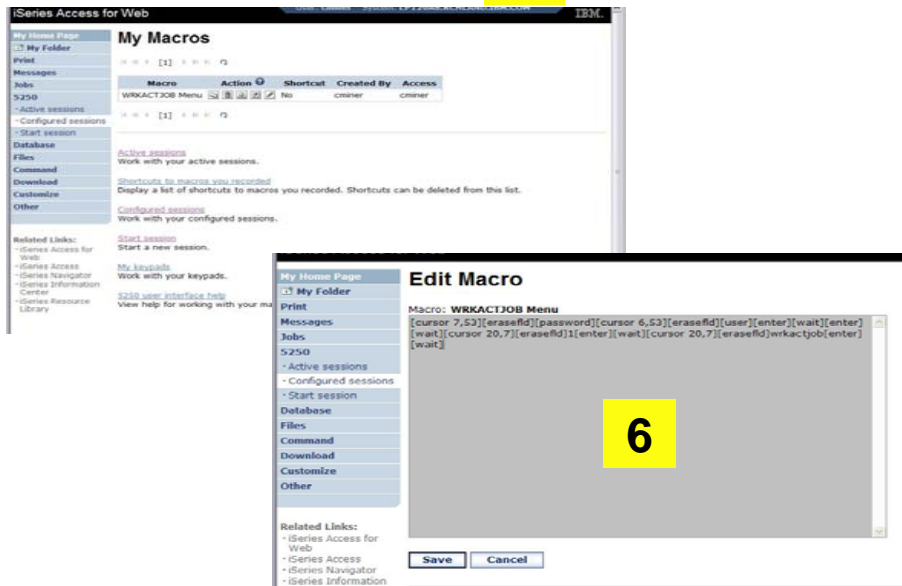
Go to bottom of 5250 screen and select to **Edit** the macro you just created



# Edit Your Macro and Create A Shortcut for it

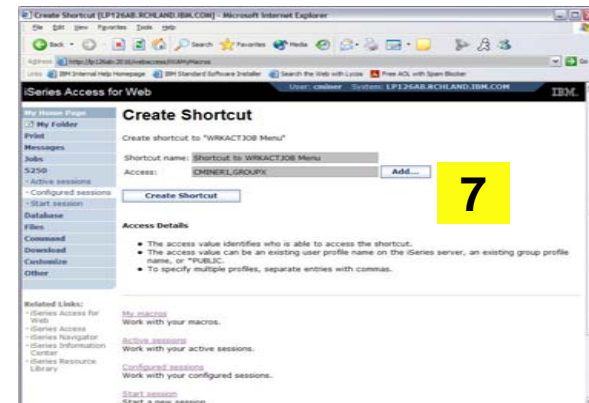
5

Select Action to **Edit** your macro



6

- Replace your password with [password] and your user id with [user]
- Then when this runs, the signed on user id and password will be plugged in



7

- Go back to My Macro page and section Action to **Create Shortcut** to your Macros
- Add whomever can use this Macro

# Add Macro Name to a 5250 Session

8

iSeries Access for Web User: cminer System: LP126AB.RCHLAND.IB

## Start Session

**Server**

Server: MYISERIES.RCHLAND.IBM.COM

Port: 23

Code page: 37

**Workstation ID**

Use user ID

Specify workstation ID

Avoid duplicates for this user

Avoid duplicates with other users

**General**

Initial macro: WRKACTJOB Menu

Bypass signature

Display HTML

**Start Session**

[Active sessions](#)  
Work with your active sessions.

## Edit Configured Session

**General**

Session: Sales System

Default view: Web

Initial macro: WRKACTJOB Menu

Bypass signature

Display HTML

Enable advanced

**Server**

Server: MYISERIES.RCHLAND.IBM.COM

Port: 23

Code page: 37

**Workstation ID**

Use user ID

Specify workstation ID

Avoid duplicates for this user

Avoid duplicates with other users

**View**

**Web**

Show navigation bar

Show action links

Show hotspot links

**Traditional**

Show navigation bar

Show action links

Show hotspot links

- Create a new session via the **Start Session** link
- Under the **Macro** parameter, the pulldown will have your Macro listed

OR

- Select one of your **Configured Sessions** and add the **Macro shortcut**



# iSeries Access for Web – Database Functions

Access database tables on your iSeries server with iSeries Access for Web.

## Tables

- View a list of database tables on your iSeries server.
- Perform actions on these tables without having knowledge of SQL and its syntax.
- View the contents of a table in a paged list, using the Quick view action.
- Add and update records in a table using the Insert and Update actions.
- Create your own customized SQL request for a table using the Run SQL action.
- Create your own customized copy data request for a table using the Copy data to table action.

## My requests

- View a list of previously saved requests.
- Run or Edit requests from this list.
- Manage lists using the Copy, Delete, and Rename actions
- Create and manage shortcuts to requests

## Run SQL

- Run SQL statements dynamically.
- View output as a paged list or in a popular file format, like Microsoft Excel or Lotus 1-2-3. (Output format depends on how you have your browser configured and whether the browser can locate a plug-in for the output type you choose.)
- Customize how data is returned by setting options specific to the output type.
- Build SELECT statements using an SQL Wizard.
- Save requests for repeated use.

## Copy data to table

- Copy existing data files from your PC to a database table on your iSeries server.
- These data files can be in many popular file formats, including Microsoft Excel and Lotus 1-2-3.
- Replace the contents of a table or add data to an existing table.
- Create a new database table based on the contents of a workstation file.
- Save requests for repeated use.

## Import request

- Import Client Access Data Transfer upload and download requests into iSeries Access for Web copy data and SQL requests.
- Imported requests are automatically converted to iSeries Access for Web format.
- Run and edit converted requests on your iSeries server just like other copy data and SQL requests.

## Import query

- Import queries generated by Query for iSeries and DB2 UDB for iSeries Query Manager.
- Imported queries can be saved into iSeries Access for Web database requests.
- Run and edit converted queries on your iSeries server just like iSeries Access for Web SQL requests.

## Extract server data

- Extract server object information into a database table.



## Upload PC Data to DB2 for i5/OS database

- Upload data from a variety of file types
  - Excel, XML, Lotus, etc
  - OpenOffice **new V5R4**
- Put into i5/OS database
  - 'Replace' contents of table
  - 'Append' to existing data
- If no table exists on System i, you will get a wizard to help you create a new table



iSeries Access for Web

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### Copy Data to Table

**File to Copy** ?

File:  Browse...

File type: Comma Separated Value (.csv)

**Table to Receive Data** ?

Table:

Action: Replace data if table exists

**Connection** ?

Connection: IBM Toolbox for Java - LP126AB.RCHLAND.IBM.COM

# Create Table in DB2 for i5/OS

iSeries Access for Web User: CMINER System: LP116AB.RCHLAND.IBM.COM

**Copy Data to Table**

Table BOATS.DATA does not exist.

Create options

View or change column definitions before creating table

Create table using the source file's column definitions

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**Wizard to help you  
create a table in the  
System i database  
from your PC  
spreadsheet**

Copy Data To Table [LP116AB.RCHLAND.IBM.COM] - Mozilla Firefox

http://lp116ab:2016/webaccess/iWADbUpload

iSeries Access for Web  
cminer LP116AB.RCHLAND.IBM.COM

**Table Column Definitions**

Verifying column definitions before creating the table is recommended. You can change any of the column definition attributes before clicking Create Table.

Column	Description	Type	Length	Scale	Sample Data
EMPNO		CHAR	6	0	200340
FIRSTNME		CHAR	9	0	ROY
MIDINIT		CHAR	1	0	R
LASTNAME		CHAR	10	0	ALONZO
WORKDEPT		CHAR	3	0	E21
PHONENO		CHAR	4	0	5698
HIREDATE		CHAR	8	0	5/5/47
JOB		CHAR	8	0	FIELDREP
EDLEVEL		FLOAT	0	0	16.0
SEX		CHAR	1	0	M
BIRTHDATE		CHAR	8	0	1/1/01
SALARY		FLOAT	0	0	23840.0
BONUS		FLOAT	0	0	500.0
COMM		FLOAT	0	0	1907.0

# Database Tables

Can:

- Insert
- Update
- Quick View
- Find (new V5R4!)
- Run SQL
- Copy Data to Table

iSeries Access for Web User: CMINER

**Tables**

Connection: IBM Toolbox for Java - LP126AB.RCHLAND.IBM.COM  
Table filter: \*USRLIBL, boats

Navigation: [1] 2 3 4 5 6 7 8 9 > >> > >> >

Table	Description	Action ?
BOATS.BOATS	Available BOATS	
BOATS.BOATS1	Available boats by length	
BOATS.PCFILES	PC files needed by BOATS WSG Demo	
BOATS.QCLSRC		
BOATS.QCMDSRC		
BOATS.QDDSSRC		
BOATS.QRNCVTLG		
BOATS.QRPGLESRC		
BOATS.QRPGSRC		
QGPL.#	\$	
QGPL.BITYPES		
QGPL.CHADDEC		
QGPL.CONCURTYPE		
QGPL.CPY_INFO		
QGPL.DAVE		
QGPL.DECSEP		
QGPL.DIVZERO		
QGPL.DIVZERO2		
QGPL.DSD		
QGPL.DSPSFWRSC	Output file for DSPSFWRSC	

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- Other

**Related Links:**

- iSeries Access for Web
- iSeries Access
- iSeries Navigator
- iSeries Information Center
- iSeries Resource Library

# Download Database Information from System i

Run SQL allows you to run SQL statements

- Could copy/paste complex SQL statements in here...

Variety of output types

- PDF, Excel, 1-2-3, XML, etc

Destination

- Browser
- Mail as attachment
- Personal Folders
- IFS (new V5R4)

Can save request

- My Requests, Give Shortcut to others



SQL Wizard if you don't know SQL

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## Run SQL

SQL Statement

```
SELECT
  "BCOST", "BYEAR", "BTYPE", "BNAME", "BFEET", "BNT01"
FROM
  BOATS.BOATS
WHERE
  ( "BCOST" > 10000 )
```

SQL Wizard

SQL Output

Type: Microsoft Excel XML (.xml) Settings

Destination: Mail as attachment Settings

Format

Date: 12/23/05

Time: 10:16:44 AM

Connection

Connection: IBM Toolbox for Java - RCHLAND.IBM.COM

Run SQL Save Request...

Related Links:  
 iSeries Access for Web  
 iSeries Access  
 iSeries Navigator  
 iSeries Information

# Create Database Requests with SQL Wizard

SQL Wizard enables you to:

- Select **tables**
- Select which **columns** to return
- Add **conditions** to your select statement
- Select the columns by which you want the data **sorted**

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## SQL Wizard

```
SELECT *  
FROM BOATS.BOATS
```

Welcome

This wizard steps you through creating an SQL select statement.

Next Finish Cancel

# Database - Run Requests



Administrator could:

- Give users or groups of users some database requests that were created for them.
- Users can run only these specific requests
- No other database options offered

iSeries Access for Web

My Home Page  
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## My Requests

« « [1] » » »

Request	Description	Action	Shortcut	Created By	Access
Shortcut to Boats For Sale	View all available boats		Yes	CMINER	groupa
Shortcut to Find Boat To Buy	Select type and price limits		Yes	CMINER	*PUBLIC
Shortcut to My Customers Mailing	Mail Customer List		Yes	CMINER	groupa
Shortcut to My Customers Mailing	Mail Customer List		Yes	cminer	cminer1
Shortcut to Put My Customer List in Folder	Store Customer List		Yes	CMINER	groupa
Shortcut to request sql			Yes	secyesi	*PUBLIC
Shortcut to request upload			Yes	secyesi	*PUBLIC

« « [1] » » »

Related Links:  
• iSeries Access for Web  
• iSeries Access  
• iSeries Navigator  
• iSeries Information Center  
• iSeries Resource Library

# Dynamic Queries – V5R3

SQL Wizard enables you to generate an SQL statement with markers for conditional values



1. End user selects query to run
2. End user selects Boat Type and Price Range
3. Boats are displayed that fit that range

3

2

1

Messages	BCOST	BYEAR	BTYPE	BNAME	BFEET	BNT01
Jobs	27500	1953	S	Bill Garden Schooner	36	-The hull is 1/8' caravel cedar planked atop 1 1/4" x 1 1/2" oak frames
5250	57900	1990	S	Hunter 33.5	33	-The boat has a large wheel steering a spade rudder.
Database	63000	1979	S	Mariner Ketch	40	-Full keel and the rudder is keel hung
• Tables	69000	1978	S	Morgan 382 Race/Cruise Sloop	38	-Has an Airex hull and skeg rudder. Has been rated by LLOYD's
• My requests	69950	1994	S	Corsair 27	27	-Equipped for cruising and racing
• Run SQL	80000	1974	S	Garden Design Porpoise Ketch	51	-The hull is carvel planked teak.
• Copy data to table						
• Import request						
• Import query						
• Extract server data						

iSeries Access for Web

My Home Page | Find Boat

My Folder

Print | Select Boat Type

Messages | S

Jobs | Price in US\$ greater than or equal to: 25000

5250 | Price in US\$ less than or equal to: 100000

Database

• Tables

• My requests

OK Cancel

iSeries Access for Web

My Requests

Request	Description	Action	Shortcut	Created By	Access
Boats Available	See available boats	[Icons]	No	cmner	cmner
Boats By Price	Boats for sale by price	[Icons]	No	cmner	cmner
Boats by Price in .xls format	Save in My folder	[Icons]	No	cmner	cmner
Boats by Price in Excel	Boats for sale by price	[Icons]	No	cmner	cmner
Boats For Less than \$1,000,000	Boats for sale by price	[Icons]	No	cmner	cmner
Boats For Sale	View all available boats	[Icons]	No	cmner	cmner
Dynamic BOATS Request	Price and Type	[Icons]	No	cmner	cmner
Find Boat By Price and Type	Price and Type	[Icons]	No	cmner	cmner
Find Boat To Buy	Select type and price limits	[Icons]	No	cmner	cmner
My Customers	Customer List	[Icons]	No	cmner	cmner
My Customers Mailing	Mail Customer List	[Icons]	No	cmner	cmner
Put My Customer List in Focus	Store customer list	[Icons]	No	cmner	cmner
Shortcut to Find Boat To Buy	Select type and price	[Icons]	Yes	CMNER	"PUBLIC"

# Printing





# Work with Printer Output, Printers, Queues

## Typical end user printer tasks

- **Printer Output**
- **PDF Printer Output**



## Tasks more oriented toward system operators, administrators, programmers, etc

- **Printers**
- **PDF Printers**
- **Internet Printers**
- **Internet Printer Shares**
- **Printer Shares**
- **Output Queues**



# Work with Printer Output

<http://<myiseries>/webaccess/iWASpool>

## My 'printer output'

### Actions include:

- Work with
- View
- View As
- View PDF

## Easy-to-use GUI for working with my printer output

- Don't need to sign onto a 5250 session, and run commands to get to spool file

The screenshot shows the 'iSeries Access for Web' interface. The user is 'cminer' and the system is 'LP120A8.RCHLAND.IBM.COM'. The main content area is titled 'Printer Output for cminer'. On the left, there is a navigation menu with options like 'My Home Page', 'My Folder', 'Print', 'Messages', 'Jobs', '5250', 'Database', 'Files', 'Command', 'Download', 'Customize', and 'Other'. The 'Print' section is expanded, showing 'Printer output', 'PDF printer output', 'Printers', 'PDF printers', 'Internet printers', 'Internet printer shares', 'Printer shares', and 'Output queues'. The main table displays the following data:

File Name	User Data	Creation Date/Time	Pages Per Copy	Copies	Status	Action	User	Job Name	Job Number	File Number
QSYSPRT		12/15/05 4:31 PM	1	1	Ready	[Icons]	CMINER	CMINERO	502274	
QSYSPRT		12/15/05 4:31 PM	1	1	Ready	[Icons]	CMINER	CMINERO	502274	
QSYSPRT		12/15/05 4:32 PM	1	1	Ready	[Icons]	CMINER	CMINERO	502274	
QSYSPRT		12/15/05 4:39 PM	1	1	Ready	[Icons]	CMINER	CMINERO	502274	
QSYSPRT		12/15/05 4:41 PM	1	1	Ready	[Icons]	CMINER	CMINERO	502274	
QPRINT		12/15/05 4:48 PM	1	1	Ready	[Icons]	CMINER	QIWAPDFSTR	502281	
QPRINT		12/15/05 4:50 PM	1	1	Ready	[Icons]	CMINER	QIWAPDFSTR	502285	
QPRINT		12/15/05 4:52 PM	1	1	Ready	[Icons]	CMINER	QIWAPDFSTR	502287	
QPRINT		12/15/05 4:57 PM	1	1	Ready	[Icons]	CMINER	QIWAPDFSTR	502291	

# PDF Printer Output

<http://<myiseries>/webaccess/iWAPDFPrinterOutput>

Printer output  
**automatically**  
converted to PDF and  
placed in PDF Printer  
Output Queue

Actions include:

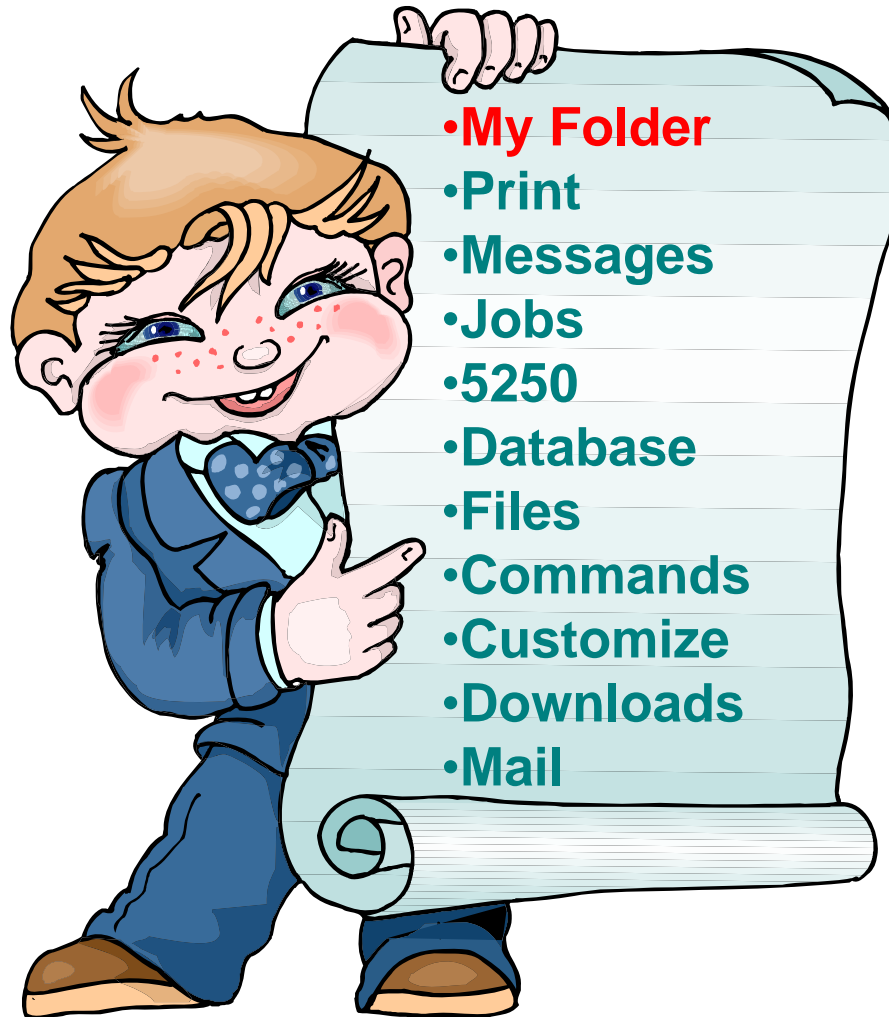
- View
- Copy to File
- Copy to Folder;  
Delete
- Mail

File Name	File Number	User	Creation Date/Time	Job Name	Job Number	Action
QSYSPRT	5	JOANSG	4/7/05	QPRTJOB	064814	[Icons]
QSYSPRT	1	CLARKD	4/27/05	QPADEV0018	115207	[Icons]
QSYSPRT	2	CLARKD	4/27/05	QPADEV0018	115207	[Icons]
QSYSPRT	1	CLARKD	5/2/05	QPADEV0012	122000	[Icons]
QSYSPRT	2	CLARKD	5/2/05	QPADEV0012	122000	[Icons]
QSYSPRT	3	CLARKD	5/2/05	QPADEV0012	122000	[Icons]
QSYSPRT	4	CLARKD	5/2/05	QPADEV0012	122000	[Icons]
QSYSPRT	5	CLARKD	5/2/05	QPADEV0012	122000	[Icons]
QSYSPRT	6	CLARKD	5/2/05	QPADEV0012	122000	[Icons]
COVER_PAGE	11	GILBERTM	11/1/05	QPRTJOB	287159	[Icons]
BG1_3812	12	GILBERTM	11/1/05	QPRTJOB	287159	[Icons]
BG2_3812	13	GILBERTM	11/1/05	QPRTJOB	287159	[Icons]
BG3_3812	14	GILBERTM	11/1/05	QPRTJOB	287159	[Icons]
BOX_3812	15	GILBERTM	11/1/05	QPRTJOB	287159	[Icons]
MBX_3812	16	GILBERTM	11/1/05	QPRTJOB	287159	[Icons]
IMG_3812	17	GILBERTM	11/1/05	QPRTJOB	287159	[Icons]
HRZ_3812	19	GILBERTM	11/1/05	QPRTJOB	287159	[Icons]

**Note: IBM Infoprint Server (5722-IP1) needed to use this tab**

Actual host application could additionally send spoolfile printer output to another output queue (in SCS or AFP mode)

# My Folder



# My Folder

## Folder resides in the System i IFS

- Folder does not show up in IFS directory listing
- Administrator can control size of Folders (new in V5R3)

## Folder can only be accessed by owner

- Good for long-running requests (ie, actions performed asynchronously so the browser is not tied up)
- An easy way to avoid large attachments (ie, a large query result)

## Can place information in other users' Folders

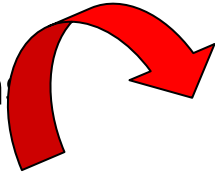
- Performing requests for someone else
- Mechanism for workflow.

## Combine email and My Folder functions to:

- Perform requests for someone else
- Distribute results to a group of users
- Send email to others when you place information in their Folder
- Be notified when new items are placed in your Folder

# Simply click on 'My Folder' to see items

- Can store item  
email them,  
delete them, etc
- Do not need to  
understand any  
Directory  
structure to put  
information in My  
Folder or  
another's Folder



iSeries Access for Web

User: CMINER System: LP120AB.KCHLANDS.IBM.COM

**My Home Page**

- My Folder**
- Print
- Messages
- Jobs
- 5250
- Database
- Files
- Command
- Download
- Customize
- Other

**Related Links:**

- iSeries Access for Web
- iSeries Access
- iSeries Navigator
- iSeries Information Center
- iSeries Resource Library

**My Folder**

◀ ◀ ◀ [1] ▶ ▶ ▶

Item	Status	From	Date/Time	Size	Action
<input type="checkbox"/> Status [SQL output in PDF]	Unopened	<a href="#">CMINER</a>	12/12/05 6:08 PM	202	
<input type="checkbox"/> SQL output in PDF	Unopened	<a href="#">CMINER</a>	12/12/05 6:08 PM	2543	
<input type="checkbox"/> Status [SQL output in PDF]	Unopened	<a href="#">CMINER</a>	12/12/05 6:04 PM	202	
<input type="checkbox"/> SQL output in PDF	Opened	<a href="#">CMINER</a>	12/12/05 6:04 PM	2543	
<input type="checkbox"/> Status: SQL output to Integrated File System	Unopened	<a href="#">CMINER</a>	12/12/05 5:39 PM	272	
<input type="checkbox"/> Status: SQL output to Integrated File System	Unopened	<a href="#">CMINER</a>	12/12/05 5:35 PM	271	
<input type="checkbox"/> Status [SQL output in HTML]	Unopened	<a href="#">CMINER</a>	12/9/05 4:52 PM	202	
<input type="checkbox"/> SQL output in HTML	Opened	<a href="#">CMINER</a>	12/9/05 4:52 PM	816	
<input type="checkbox"/> Status [SQL output in XLS]	Unopened	<a href="#">CMINER</a>	12/5/05 4:35 PM	297	
<input type="checkbox"/> SQL output in XLS	Opened	<a href="#">CMINER</a>	12/5/05 4:35 PM	3956	

**Delete Selected Items**

# Commands



# Run i5/OS CL Commands

1

## Search for Command

iSeries Access for Web

**Search for Commands**

Command:  ?

Library:  ?

**Search by:**

Command name  Text description ?

« ‹ ‹ [1] 2 3 4 5 6 7 8 9 10 ‹ › › »

Command	Library	Description
<a href="#">WRKUSRPRF</a>	QSYS	Work with User Profiles
<a href="#">WRKUSRJOB</a>	QSYS	Work with User Jobs
<a href="#">DSPWSUSR</a>	QSYS	Display Work Station User
<a href="#">RSTUSRPRF</a>	QSYS	Restore User Profiles
<a href="#">WRKNWSENR</a>	QSYS	Work with NWS User Enrollment
<a href="#">DSPNWSUSR</a>	QSYS	Display Network Server Users
<a href="#">WRKUSRTBL</a>	QSYS	Work with User Tables
<a href="#">WRKNETF</a>	QSYS	Work with Network Files
<a href="#">WRKNETJOB</a>	QSYS	Work with Network Job Entries
<a href="#">WRKNWID</a>	QSYS	Work with Network Interfaces
<a href="#">WRKNWSD</a>	QSYS	Work with Network Servers
<a href="#">WRKNETTBL</a>	QSYS	Work with Network Table Entry

2

## Then Run Command

iSeries Access for Web

**Restore User Profiles (RSTUSRPRF)**

Device:  ? Name, \*SAVF

User profile:  ? Name, generic\*, \*ALL, \*NEW, \*NONE

Volume identifier:  ? Character value, \*MOUNTED

Sequence number:  ? 1-16777215, \*SEARCH

End of media option:  ?

Save file:  ? Name

Library:  Name, \*LIBL, \*CURLIB

Optical file:  ? Path name

Output:



# My Commands

User can run a command, then **Save** it

- **Commands can be saved by running the **Save** action for a command that was run in the current browser session.**

Then next time they could simply select **My Commands** and run the previously saved commands

Name	Command	Output	Action	Last Accessed
Restore User Profiles	QSYS/RSTUSRPRF	My folder		12/21/05 3:42 PM
Work with Active Jobs	wrkactjob	Browser		12/21/05 3:45 PM
Work with Query Manager	QSYS/WRKQMORY QMORY (*LIBL/*ALL)	Browser		12/21/05 3:44 PM



# Jobs / Server Jobs for end user

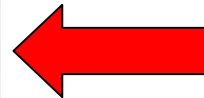
iSeries Access for Web User: cminer System: LP126AB.RCHLAN

**Jobs for cminer**

Job	Status	Type	Entered System	Action
CMINER2	Suspended	Interactive	12/21/05 11:38:41 AM	
CMINER3	Suspended	Interactive	12/21/05 12:51:09 PM	
CMINER4	Suspended	Interactive	12/21/05 12:52:14 PM	
CMINER5	Suspended	Interactive	12/21/05 12:55:01 PM	
CMINER6	Suspended	Interactive	12/21/05 1:39:01 PM	

Jobs preferences  
Customize job list preferences

- Actions Include
- Hold Job
- Delete/End Job
- View Job Log
- Printer Output
- View Job Log Properties



- Actions Include
- Hold Job
- Delete/End Job
- View Job Log
- View Job Properties



iSeries Access for Web User: cminer System: LP126AB.RCHLAN.RCHLAN

**Server Jobs for cminer**

Job	Detailed Status	Server	Action	Run Priority	Thread Count
QNPSESRVS	Waiting for time interval	Network Print Server		20	1
QZRCRSVS	Waiting for time interval	Remote Command Server		20	1
QZRCRSVS	Waiting for time interval	Remote Command Server		20	1
QZRCRSVS	Running	Remote Command Server		20	1
QZSCRSVS	Waiting for time interval	Central Server		20	1
QZSCRSVS	Waiting for time interval	Central Server		20	1

Related Links:  
iSeries Access for Web

# Messages

iSeries Access for Web

**Messages**

Access messages on your iSeries server with iSeries Access for Web.

[Display messages](#)

- Display, answer and manage messages in the message queue for the logged on user.

[Send message](#)

- Send a message to users and message queues.

[Send break message](#)

- Send a Sametime announcement to iSeries Access for Web Sametime users.
- Send a break message to iSeries work stations.

[Operator messages](#)

- Display, answer and manage messages in the system operator message queue.

[Message queues](#)

- List message queues on the iSeries server.
- Select, display and manage messages in message queues.

**My Home Page**

**My Folder**

**Print**

**Messages**

- Display messages
- Send message
- Send break message
- Operator messages
- Message queues

**Jobs**

**5250**

**Database**

**Files**

**Command**

**Download**

**Customize**

**Other**

**Related Links:**

- iSeries Access for Web
- iSeries Access
- iSeries Navigator
- iSeries Information Center
- iSeries Resource Library

- Display Messages
- Send Message
- Send Break Message
- Operator Messages
- Message Queues

**Message Queues**

« « « [1] 2 3 4 5 6 7 8 9 10 » » » » »

Message Queue	Description	Action
<a href="#">\$BEACH/BLDSTAT</a>	BEACH Build Status message queue.	
<a href="#">\$BEACH/FAILURELOG</a>	BEACH Build Failure message queue.	
<a href="#">\$BEACH/IMPORTLOG</a>	BEACH Build Failure message queue.	
<a href="#">\$BEACH/RCVMSGQ</a>	Receive message queue for BEACH	
<a href="#">\$BEACH/SUCCESSLOG</a>	BEACH Build Success message queue.	
<a href="#">\$BLDJAVA/BLDJAVA</a>		
<a href="#">\$BLDJAVA/FAILURELOG</a>	BLDJAVA Build Failure message queue.	
<a href="#">\$BLDJAVA/IMPORTLOG</a>	BLDJAVA Build Failure message queue.	
<a href="#">\$BLDJAVA/SUCCESSLOG</a>	BLDJAVA Build Success message queue.	
<a href="#">\$BLDLAW/BLDSTAT</a>	BLDLAW Build Status message queue.	
<a href="#">\$BLDLAW/FAILURELOG</a>	BLDLAW Build Failure message queue.	
<a href="#">\$BLDLAW/IMPORTLOG</a>	BLDLAW Build Failure message queue.	
<a href="#">\$BLDLAW/RCVMSGQ</a>	Receive message queue for BLDLAW	
<a href="#">\$BLDLAW/SUCCESSLOG</a>	BLDLAW Build Success message queue.	
<a href="#">\$BLDSHIP/BLDSTAT</a>	BLDSHIP Build Status message queue.	
<a href="#">\$BLDSHIP/FAILURELOG</a>	BLDSHIP Build Failure message queue.	
<a href="#">\$BLDSHIP/IMPORTLOG</a>	BLDSHIP Build Failure message queue.	
<a href="#">\$BLDSHIP/RCVMSGQ</a>	Receive message queue for BLDSDHIP	
<a href="#">\$BLDSHIP/SUCCESSLOG</a>	BLDSHIP Build Success message queue.	
<a href="#">\$BLDTEST/BLDSTAT</a>	BLDTEST Build Status message queue.	
<a href="#">\$BLDTEST/FAILURELOG</a>	BLDTEST Build Failure message queue.	
<a href="#">\$BLDTEST/IMPORTLOG</a>	BLDTEST Build Failure message queue.	
<a href="#">\$BLDTEST/RCVMSGQ</a>	Receive message queue for BLDTEST	
<a href="#">\$BLDTEST/SUCCESSLOG</a>	BLDTEST Build Success message queue.	

# Send Message / Send Break Message

## Send Messages

- Goes to user's 'Display Messages' queue

## Send Break Message

- Generates an instant message to Sametime users
- Sends a Break Message to **workstation** users (not iSeries Access for Web 5250 users → goes into QSYS/CMINER message queue)

## Add Button

- Retrieves list of workstation and Sametime users on the server

iSeries Access for Web

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- Operator messages
- Message queues

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Send Message

To iSeries user profiles:

To message queues:

Message type:  Informational  Inquiry

Message:

Related Links:

iSeries Access for Web

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- Operator messages
- Message queues

Jobs

5250

Database

Files

Command

Download

Customize

Other

Send Break Message

To iSeries Access for Web Sametime users:

To work stations:

Message:

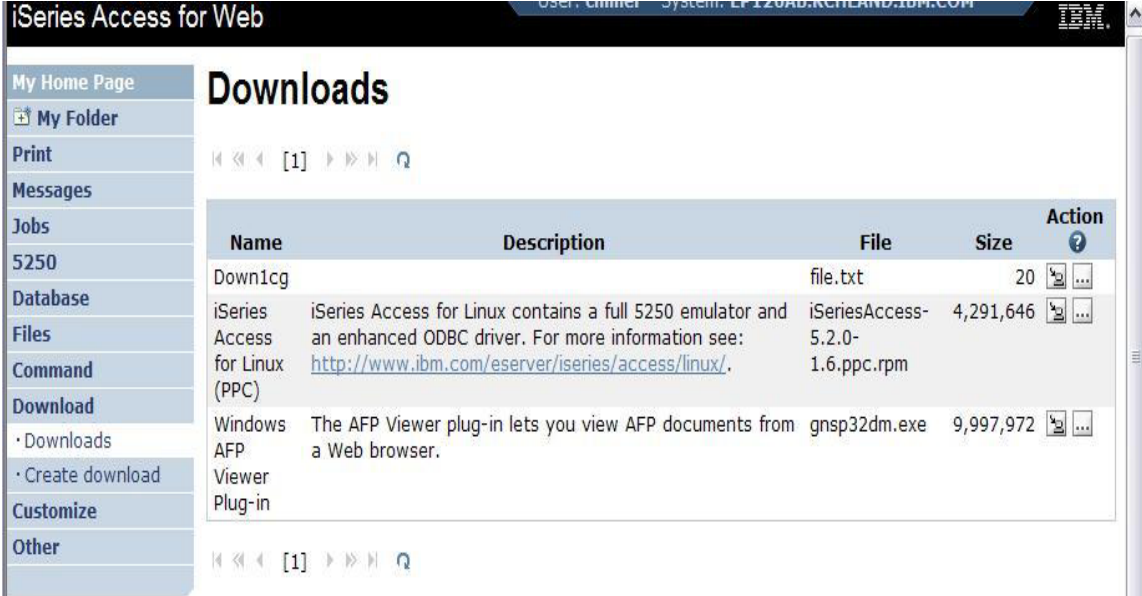
## Downloads (New in V5R3)



# Downloads – for file/program distribution

*http://<myiseries>/webaccess/iWAPackages*







- **Mechanism to distribute files / programs to users**
- **Administrator can create downloads**
- **Management functions included for updating downloads and for controlling access to them**



iSeries Access for Web

My Home Page  
My Folder  
Print  
Messages  
Jobs  
5250  
Database  
Files  
Command  
Download  
· Downloads  
· Create download  
Customize  
Other

## Downloads

Name	Description	File	Size	Action
Down1cg		file.txt	20	 
iSeries Access for Linux (PPC)	iSeries Access for Linux contains a full 5250 emulator and an enhanced ODBC driver. For more information see: <a href="http://www.ibm.com/eserver/iseries/access/linux/">http://www.ibm.com/eserver/iseries/access/linux/</a> .	iSeriesAccess-5.2.0-1.6.ppc.rpm	4,291,646	 
Windows AFP Viewer Plug-in	The AFP Viewer plug-in lets you view AFP documents from a Web browser.	gnsp32dm.exe	9,997,972	 

# Summary





## V5R4 System i Access for Web Enhancements

Both Servlets and Portlets	Servlets	Portlets
<p><b>Authentication</b></p> <ul style="list-style-type: none"> <li>• Support Single sign-on (SSO) using WAS security model (EIM, LDAP)</li> <li>• 5250 Bypass i5/OS sign-on screen</li> </ul> <p><b>Database</b></p> <ul style="list-style-type: none"> <li>• Support for OpenOffice Spreadsheet format (.ods)</li> </ul> <p><b>5250</b></p> <ul style="list-style-type: none"> <li>• Support DDS HTML keywords</li> <li>• Display HTTP/HTTPS URL strings as links</li> </ul>	<p><b>Database</b></p> <ul style="list-style-type: none"> <li>• Import/run DB2 Query Manager and IBM Query for iSeries queries</li> <li>• A new output destination of IFS for SQL requests</li> <li>• New option of 'Find' on Tables link</li> </ul> <p><b>Administration</b></p> <ul style="list-style-type: none"> <li>• Can transfer configuration items between i5/OS user profiles</li> <li>• Can use WebSphere data source names for database connections</li> </ul> <p><b>Files</b></p> <ul style="list-style-type: none"> <li>• Browse File Share link added</li> </ul>	<p><b>Database</b></p> <ul style="list-style-type: none"> <li>• iSeries SQL Requests added</li> <li>• iSeries SQL Results Viewer added</li> </ul> <p><b>Files</b></p> <ul style="list-style-type: none"> <li>• Zip function added</li> </ul> <p><b>iSeries Credentials</b></p> <ul style="list-style-type: none"> <li>• Can change i5/OS password via Access for Web</li> </ul>

## Who will benefit from Access for Web

- Any System i customer -- with any hardware model - can quickly get started working in a Web environment
  - If your system is not capable of running WAS, use the V5R4 Integrated Web Application Server or ASF Tomcat web application server.
    - ASF Tomcat runs on hardware with 70 CPW and 256 MB memory
- Any System i customer -- with little Web experience - can easily get started working in a Web environment
  - System i Access for Web is simple to install and configure
  - There is no programming skills required to set it up
- Any System i customer -- with no training or setup on users' desktops - can extend the reach of System i resources to your end users
  - Use customize facility to set up view ('window') to System i and to control access to various System i resources
  - All built around i5/OS user profiles
  - Uses standard HTML, uses existing HTTP/HTTPS ports

***A great reason to get your System i into the web world***

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