



IBM eServer iSeries

Session: **53MN - 470021**

iSeries Access for Web runs in a Portal

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why "i"? it's simple.

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iSeries Access for Web – Sessions in Orlando

1. 25MN - iSeries Access for Web: The Browser Alternative!
2. 26MN - Tips and Techniques for iSeries Access for Web
3. 31MN – iSeries Access for Web: Real World Usage **(NEW!)**
4. 32MN - iSeries Access for Web: Run 5250 in a Browser
5. 33MN - iSeries Access for Web: Setup and Configuration
6. 35LC - LAB: iSeries Access for Web: Installation and Configuration
7. 36LC - LAB: iSeries Access for Web: Installation and Configuration 
8. 41LC - OPEN LAB: iSeries Access for Web
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10. 45MN - iSeries Access for Web: Database Access
11. 46MN – Programming with iSeries Access for Web
12. 52MN - iSeries Access for Web: Control Access to your iSeries Resources
13. 53MN - iSeries Access for Web Runs in a Portal
14. 54MF - iSeries Access for Web: Printing Made Easy Through Your Browser

 Voted "Best Traditional Lab" at Spring 2005 COMMON

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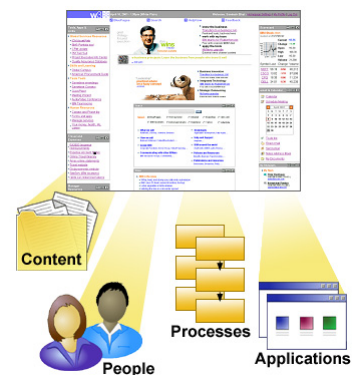
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Why Portal

- Single point of entry for backend systems and applications
- Integrate various data sources and applications into one user experience
- Single sign on
 - May not wish to grant user access to backend systems
 - Access to data without granting access to system
- Collaborate with remote sites and users
- Provide e-business experience to customers, business partners and employees

Portal Definition

- Portal - Single Point of Personalized Interaction with Applications, Content, Processes and People
- By definition, a portal should provide
 - **Single sign-on**
 - **Common presentation**
 - **Application and information integration**
 - **Collaborative capabilities**
 - **Personalization and customization**
 - **A framework for Web Services**
 - **Extension to pervasive devices**
- Resulting in....
 - **Improved employee productivity = B2E Portal**
 - **Improved Partner relationships = B2B Portal**
 - **Increased customer loyalty = B2C Portal**



iSeries Portal Offerings

- Express
 - WAS 5.0.2 PME
 - Portal Server
 - Out-of-the-box portlets
 - Collaboration services API
 - Portal toolkit
 - WebSphere Studio Site Developer
 - Portal Document Manager
 - Productivity portlets
 - IBM Directory Server
- Express Plus
 - Express
 - Sametime
 - Quickplace
 - Domino
 - Collaboration Center

iSeries Access for Web Portlets

- New Portlets
 - GA
 - 5250
 - iFrame
 - PTF
 - File
 - Print
 - Database
 - Command
 - Credential
- iSeries Access for Web CL commands support Portal Server instances
 - Configure "My iSeries" pages

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Portlets: 5250

IBM WebSphere Portal - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

Disable Forms Images Information Outline Resize Validation View Source Options

Welcome Documents My Work My Finances My Newsroom My iSeries My Favorites

5250 IFrame Portlets Files Print Database Command

iSeries 5250 Session

Sign On

User
 Password
 Program/procedure
 Menu
 Current library

System LP116AB
 Subsystem QINTER
 Display QPADEV0009

RELEASE: V05R02M00
 DRIVER: 290717

USE OF THIS SYSTEM IS FOR IBM MANAGEMENT APPROVED PURPOSES ONLY.
 USE IS SUBJECT TO AUDIT AT ANY TIME BY IBM MANAGEMENT.

Done

Welcome

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.

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Portlets: Edit 5250 Settings

IBM WebSphere Portal - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

Disable Forms Images Information Outline Resize Validation View Source Options

5250 IFrame Portlets Files Print Database Command

iSeries 5250 Session

Edit 5250 Session Settings

Server: []

Port: 23

Code page: 37

Automatically start session

Workstation ID

Use user ID
 Specify workstation ID []

Avoid duplicates for this user
 Avoid duplicates with other users

View

Display text using fixed width font
 Enable "More..." as button
 Enable menu items as links
 Show function key bar
 Show operator information area (OIA)
 Enable cursor positioning

Done

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Portlets: iFrame

- Inline frames – iFrame
 - Each iFrame window displays content from a URL
 - Good way to leverage iSeries Access for Web servlets

Portlets: iFrame

The screenshot shows a web browser window titled "IBM WebSphere Portal - Mozilla Firefox". The main content area displays "Printer Output for smshao" with a table of printer jobs. Below the table are two iFrame portlets: "Run SQL" and "Directory Contents /".

File Name	User Data	Creation Date/Time	Pages Per Copy	Copies	Status	Action	User	Job Name	Job Numl
QPJOBLOG	QZDASOINTT	3/31/04 9:34 AM	2	1	Ready	Work with View View as View PDF	SMASHAO	QPRTJOB	8773
QPJOBLOG	QZDASOINTT	3/31/04	2	1	Ready	Work with	SMASHAO	QPRTJOB	8773

The "Run SQL" portlet contains a "Menu" link, the text "Run SQL", and a "SQL Statement" input field. The "Directory Contents /" portlet contains a "Menu" link, the text "Directory Contents /", and a "Copy Files to Server" link.

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Portlets: Edit iFrame Settings

The screenshot shows the IBM WebSphere Portal interface in Mozilla Firefox. The main content area displays a task list for 'iSeries Access for Web URL interface'. A dialog box is open, showing a list of tasks with checkboxes. The tasks include:

- Create SQL Request [IWADBRunSQL]
- 5250
 - List Active Sessions [IWAActiveSessions]
 - List Configured Sessions [IWAConfiguredSessions]
 - List Macros [IWAMyMacros]
 - List Shared Sessions [IWAShareS250List]
 - List View-only Sessions [IWAViewList]
 - Start Configured Session [IWAS250]
 - Start Default Session [IWAS250]
 - Start Session [IWASstartSession]
- Command
 - List Saved Commands [IWACommandList]
 - Prompt Command [IWACommandPrompter]
 - Run Command [IWACommand]
 - Search for Commands [IWACommandSearch]
- Customize
 - List Preference Categories [IWACustomize]
- Database
 - Create Copy Data Request [IWADBUpload]
 - Create SQL Request [IWADBRunSQL]
 - Create SQL Request using Wizard [IWADBSQLWizard]

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Portlets: File

- File viewer portlet
 - Display file content from IFS
 - Html, text, binary files
 - Good for displaying static information to users
- File list portlet
 - List and navigate IFS
 - Send file path to other file cooperative portlets
- File list – viewer
 - Display content of the file sent from file list portlet
- File list – editor
 - Edit text file sent from file list portlet

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Portlets: File

The screenshot displays the IBM WebSphere Portal interface in Mozilla Firefox. The main content area features two portlets. The 'iSeries File List' portlet shows a directory listing for 'portal/publish' with the following files:

Name	Size (bytes)	Type	Modified
aaw.exe	892753	File	4/6/04 12:59:13 PM
companynews.html	188	File	4/8/04 12:27:52 PM
fixed.html	1191	File	10/21/03 10:50:41 AM
menu.html	3602	File	3/5/04 3:04:41 PM
qcustcdt.xls	18432	File	10/21/03 11:11:43 AM
test.html	6520	File	3/8/04 1:00:10 PM
test.pdf	19024	File	10/21/03 2:33:58 PM

Below the file list is a 'Copy File to Server' portlet with a 'File:' input field, a 'Browse...' button, a 'Replace if exists' checkbox, and a 'Copy to Server' button.

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Portlets: Print

- Printer output portlet
 - List printer output for a user or output queue
 - Output queue may be set by printers or output queues portlet
 - Manage printer output (hold/release, print next, delete)
 - Send printer output identifier to printer output viewer portlet
- Printer output – viewer portlet
 - Display printer output sent from printer output portlet as PDF
- Printers portlet
 - List printers on iSeries server
 - Send printer queue name to printer output portlet
- Output queues portlet
 - List output queues on iSeries server
 - Send output queue name to printer output portlet

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Portlets: Print

The screenshot displays the IBM WebSphere Portal interface. At the top, the title bar reads "IBM WebSphere Portal - Mozilla Firefox". Below the browser window, there are two portlets:

- iSeries Printer Output:** This portlet shows a table of printer output jobs. It includes a "Refresh" button and navigation controls. The table has columns for Actions, File Name, Status, User Data, User, Job Name, Job Number, File Number, Creation Date/Time, and Pages Per Cop. The data shows several jobs in a "READY" state, including QPJOBLOG and QPRINT jobs.
- iSeries Printers:** This portlet shows a table of printer status. It includes a "Refresh" button and navigation controls. The table has columns for Printer, Status, Description, Output Queue, and Actions. The data shows two printers: #JRHPEF (Unavailable) and BIDIPDF (Unavailable).

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Portlets: Database

- Database table portlet
 - List database table information
 - Optionally
 - Add record
 - Update record
 - Delete record
- Dynamic SQL portlet
 - Perform dynamic SQL request
- SQL query portlet
 - Perform pre-configured SQL request
 - Parameter marker support
 - Create form to prompt for user input

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Portlets: Database

The screenshot shows the IBM WebSphere Portal interface in Mozilla Firefox. The main content area displays a table with 12 columns: Actions, CUSNUM, LSTNAM, INIT, STREET, CITY, STATE, ZIPCOD, CDTLMT, CHGCOD, BALDUE, and CDTDUE. The table contains five rows of data. Below the table, there are sections for 'iSeries Dynamic SQL' and 'iSeries SQL Query'. The 'iSeries SQL Query' section includes a 'Database Query' field with a 'Minimum balance' input set to 0, and a 'Run Query' button.

Actions	CUSNUM	LSTNAM	INIT	STREET	CITY	STATE	ZIPCOD	CDTLMT	CHGCOD	BALDUE	CTDDUE
	938472	Henning	G K	4859 Elm Ave	Dallas	TX	75217	5000	3	37.00	0.00
	839283	Jones	B D	218 NW 135 St	Clay	NY	13041	400	1	100.00	0.00
	392859	Vine	S S	PO Box 79	Broton	VT	5046	700	1	439.00	0.00
	938485	Johnson	J A	3 Alpine Way	Helen	GA	30545	9999	2	3987.50	33.50
	397267	Tyron	W E	13 Myrtle Dr	Hector	NY	14841	1000	1	0.00	0.00

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iSeries Dynamic SQL

SQL statement:

iSeries SQL Query

Database Query

Minimum balance:

Done

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Portlets: Single Signon

The screenshot shows the 'Edit Portlet Settings' dialog box in the IBM WebSphere Portal. The dialog is titled 'My Commands' and has several sections: 'Server', 'Authentication', and 'General'. The 'Server' section has a 'Server' field with the value 'lp116ab.rchland.ibm.com'. The 'Authentication' section has three radio button options: 'Use credential specific to this portlet window', 'Use credential set with iSeries Credentials portlet', and 'Use system shared credential set by administrator'. The 'Use credential set with iSeries Credentials portlet' option is selected, and it has a 'Slot name' dropdown menu with 'LP116AB' selected. The 'Use system shared credential set by administrator' option also has a 'Slot name' dropdown menu with 'admin-bogus' selected. The 'General' section has a 'Window title' field with the value 'My Commands' and a checked 'Show server' checkbox.

My Commands

Edit Portlet Settings

Server

Server:

Authentication

Use credential specific to this portlet window

User:

Password:

Confirm password:

Use credential set with iSeries Credentials portlet

Slot name:

Use system shared credential set by administrator

Slot name:

Use WebSphere Portal identity

General

Window title:

Show server

Done

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Portlets: Single Signon Settings

- **Use credential specific to this portlet window**
 - Credential settings only valid for the portlet window
- **Use credential set with iSeries Credentials portlet**
 - Credential settings created and maintained with iSeries Credentials portlet
 - Credential settings are valid for all portlet windows for a particular user
- **Use system shared credential set by administrator**
 - Credential settings created and maintained with the portal server credentials portlet
 - Credential settings are valid for all users and all portlet windows
- **Use authenticated WebSphere credential**
 - Use Identity Token support to map from WebSphere credential to OS/400 credential
 - Requires JCA connector, EIM and LDAP

New Portlets and Enhancements in Beta

- SQL request portlet
 - Create new request
 - List requests
 - Send to SQL request viewer portlet to view results
- SQL request viewer portlet
 - Display query results
- Zip file portlet
 - Create and work with zip files in Integrated File System
- iSeries credentials portlet (enhanced)
 - Manage credential vault slot
 - Change i5/OS password and synchronizing with credential vault slot values


Portal Demo

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