



# Deep Dive Into System i Access for Web Session 1:

## Overview

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<http://www.ibm.com/systems/i/software/access/web>

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## Table of Contents

- What is System i Access for Web?
- Getting started
- Ways to roll out to end users
- Control access to functions



## What is System i Access for Web?

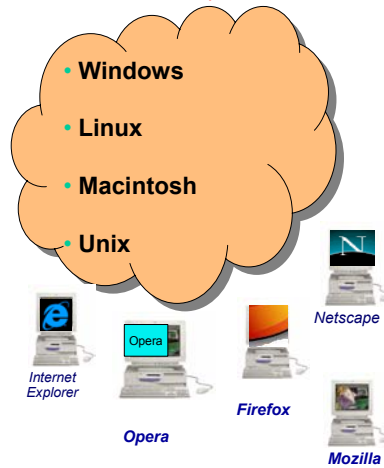
*End users can leverage business information, applications, and resources across an enterprise by extending the iSeries resources to the client desktop through a web browser*

### Provides access to iSeries through a browser

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

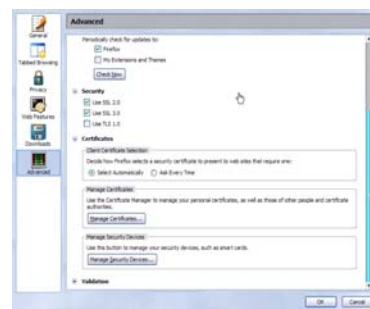
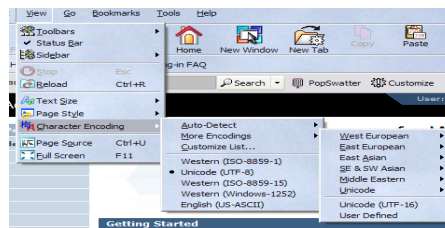
### It has the following advantages:

- 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

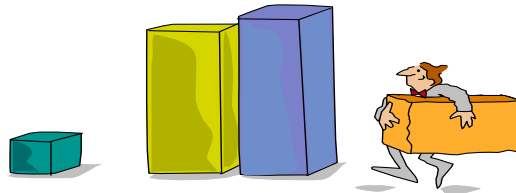


## Fully Integrated with your Browser

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



## Packaging and Ordering



## System i Access Family - Packaging

V6R1 5761-XW1 System i Access Family	V5R4 5722-XW1 iSeries Access Family
System i Access for Windows, 5761-XE1, V6R1	iSeries Access for Windows, 5722-XE1, V5R4
System i Access for Web, 5761-XH2, V6R1	iSeries Access for Web, 5722-XH2, V5R4
System i Access for Linux, 5761-XL1, Vx.x (V6R1)	iSeries Access for Linux, 5722-XL1, V1.10 (V5R4)
System i Access for Wireless, 5722-XP1, <b>V5R3</b>	iSeries Access for Wireless, 5722-XP1, <b>V5R3</b>
V5R4 i5/OS customers not wanting to upgrade to V6R1 i5/OS but want the new V6R1 System i Access Family clients can order no-charge <b>Feature No. 2649 of Product No. 5722-XW1</b>	

• NOTE: iSeries Access for Web is available on V5R1 and later. This chart summarizes the releases that can currently be ordered.

## Products - Focus

Description	Product	Product Number	Need 57xx-XW1* to use?
Family Name	➤ System i Access Family	57xx-XW1	
Windows client	➤ System i Access for Windows	57xx-XE1	Yes (for 5250 and Data Transfer)
Linux client	➤ System i Access for Linux	57xx-XL1	Yes (for 5250)
Browser Access	➤ System i Access for Web	57xx-XH2	Yes
Handheld / Wireless offering	➤ System i Access for Wireless ➤ iSeries Toolbox for Java ME	57xx-XP1	No
i5/OS systems management	➤ System i Navigator ➤ Operations Console	Packaged in 57xx-XE1	No

\* 57xx = 5761 or 5722

#### Flexible Purchase Options:

⊕ Processor-Based = purchase price based on software tier, connect unlimited numbers of users

⊕ User-Based = purchase only number of users who will be concurrently connected

#### Notes:

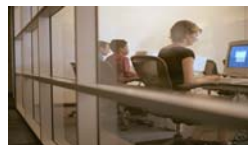
⊕ Can upgrade from User-Based to Processor-Based, but cannot go back to User-Based after purchasing Processor-Based

⊕ Software maintenance included in base i5/OS software subscription

## System i Access Family included with new hardware

- **System i Access Family (5722-XW1 or 5761-XW1) unlimited user feature included with the following System i hardware**
  - **System i Model 515 Express configurations**
    - See Announcement Letter 107-181 dated 4/1/07 for more details
  - **System i Model 525 Express and CBU configurations**
    - See Announcement Letter 107-182 dated 4/1/07 for more details
  - **System i Model 570 with POWER6 technology**
    - See Announcement Letter 107-448 dated 7/31/07 for more details
  - **The new Power Systems Models 570 and 595 - announced April 2008**
- **Any i5/OS user connecting to the above System i models is entitled to use any of the System i Access Family products at no additional charge. This includes:**

- System i Access for Windows
- System i Access for Web
- System i Access for Linux



## Functions you can perform with System i Access for Web V6R1

### 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
- File Shares
- Browse File Share

### Messages

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

### Database

- Tables
- My Request
- Run SQL
  - Open Office Formats
  - **\*\* Wizards supports joins across multiple tables**
  - **\*\* Chart SQL results**
- Copy Data to Table
- Import Requests
  - System i Access for Windows
  - Query Manager
  - Query/400
- Extract Server Data

### Commands

- Run commands
- My commands
- Search

### My Personal Folder

#### Jobs

- User Jobs
- Server Jobs

#### Customize

- Preferences
- Policies
- Settings
- Transfer configuration data

#### Download

#### Other

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

#### Single sign-on

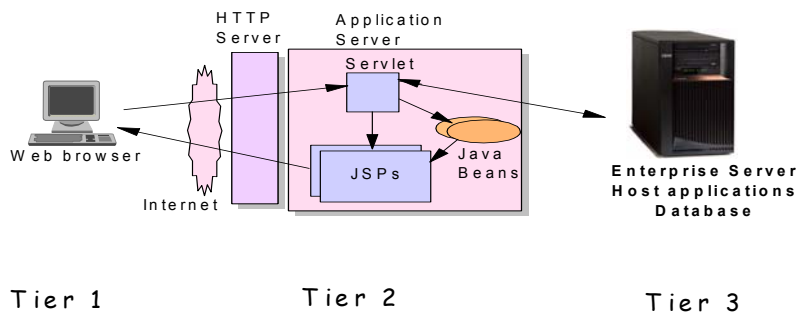
- EIM (WAS authentication)
- **\*\* Windows domain login (WAS authentication)**

Items marked with "\*\*" are new in the V6R1 version

**\*\* Scheduling of tasks**

## Getting Started

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



## Supported Web Application Servers

- The System i Access for Web servlet code can be used with any of the following web application servers:
  - **Integrated web application server**
  - **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 (V5R4 and earlier releases)**
- The System i Access for Web portlet code can be used with any of the following portal servers.
  - IBM Workplace Services Express V2.6
  - 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

**PTFs required for latest web app server and portal support:**

**<http://www.ibm.com/systems/i/software/access/web/servicepacks.html>**

## Integrated Web application server

What is it? Does System i Access for Web support it?

- **What is the i5/OS integrated Web application server?**
  - A web application engine much like ASF Tomcat
  - Uses minimal system resources, similar to ASF Tomcat
  - Minimal effort by an Administrator to maintain
  - V5R4 is the last release i5/OS will contain ASF Tomcat
- **How is it packaged?**
  - 5761-DG1 and 5722-DG1 IBM HTTP Server for i5/OS
  - Integrated Web application server 7.1 is available in the DG1 group PTF
    - V5R4 SF99114 level 13 or later
    - V6R1 SF99115 level 1 or later
- **System i Access for Web support**
  - V5R4 and V6R1 System i Access for Web support the i5/OS integrated Web application server
  - V5R4 iSeries Access for Web can be installed and is supported on V5R4 and V5R3 i5/OS
  - V6R1 System i Access for Web can be installed and is supported on V6R1 and V5R4 i5/OS

<http://www.ibm.com/systems/i/software/websphere/>

IBM Systems > System i >

## WebSphere Application Server for i5/OS

**WebSphere Home**

What's New

About WebSphere

Ordering

Documentation

FAQs

Business Solutions

Samples

PTFs

Performance

Coexistence

Migration

Forum

Newsletter

Related Resources

**Features**

WebSphere Application Server Version 6.1 for i5/OS is announced. To find out more about the new version or any other of the supported versions – please click on the links below:

**Version 6.1**

- IBM WebSphere Application Server V6.1 for i5/OS
- IBM WebSphere Application Server for Developers V6.1 for i5/OS
- IBM WebSphere Application Server Network Deployment V6.1 for i5/OS
- IBM WebSphere Application Server – Express V6.1 for i5/OS

**Version 6.0**

- IBM WebSphere Application Server V6.0 for OS/400
- IBM WebSphere Application Server for Developers V6.0 for OS/400
- IBM WebSphere Application Server Network Deployment V6.0 for OS/400
- IBM WebSphere Application Server – Express V6.0 for OS/400

**Version 5.1**

- IBM WebSphere Application Server V5.1 for iSeries
- IBM WebSphere Application Server for Developers V5.1 for iSeries
- IBM WebSphere Application Server Network Deployment V5.1 for iSeries
- IBM WebSphere Application Server – Express for iSeries V5.1

**Version 5.0**

- IBM WebSphere Application Server V5.0 for iSeries
- IBM WebSphere Application Server Network Deployment V5.0 for iSeries
- IBM WebSphere Application Server – Express for iSeries V5.0

Need directions?

- iSeries Developer roadmap
- An Independent Analysis of the iSeries Developer Roadmap - Updated for 2006 (1.4MB)
- The Business Benefits of iSeries Application Modernization (183KB)
- Get Adobe® Reader®

**Emerging Technology**

- Dynamic web site development for the non-technical business user.

**Pilot Pricing Program**

- IBM Software Pilot Pricing Program for IBM eServer i5 520 Systems

Local intranet

## Setting up your web application server

DMZ = demilitarized zone

Firewall

Firewall

Your users actually access these systems

**Running here:**

- HTTP Server
- WAS, Integrated Web App Server, Tomcat
- System i Access for Web
  - “Target Server” parameter

**Install Access for Web (RSTLICPGM)**

Only need to set up one web application server

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## Get System i Access for Web running

- Get a copy of the System i Access for Web Install & Users Guide
  - <http://www.ibm.com/systems/i/software/access/web/doc.html>
- Install System i Access for Web from your i5/OS stacked media.
  - RSTLICPGM - Install Access for Web, 5722-XH2, into QIBM directory
- Configure and start System i Access for Web.
  - CFGACCWEB2 - Configure the System i Access for Web application server
  - STRACCWEB2 - Start the System i Access for Web application server.
- Set some policies to enable or limit access to various functions of Access for Web

## System i Access for Web Documentation on the Web...

### V6R1

V6R1 System i Access for Web is supported on V6R1 and V5R4 i5/OS.



Connecting to System i: System i Access for Web (Information Center)	<a href="#">HTML</a> <a href="#">PDF</a>
System i Access for Web Single Sign-on Using WebSphere SPNEGO Support	<a href="#">PDF</a>
Automating Tasks - HTTPS/SSL	<a href="#">PDF</a>
Configuring an Integrated Web Application Server Instance	<a href="#">PDF</a>

↑ [Back to top](#)

### V5R4

V5R4 iSeries Access for Web is supported on V5R4 and V5R3 i5/OS.



Connecting to iSeries: iSeries Access for Web (Information Center)	<a href="#">HTML</a> <a href="#">PDF</a>
URL Interfaces to V5R4 iSeries Access for Web	<a href="#">PDF</a>

↑ [Back to top](#)

### V5R3

V5R3 iSeries Access for Web is supported on V5R3 i5/OS and V5R2 i5/OS.

<http://www.ibm.com/systems/i/software/access/web/doc.html>

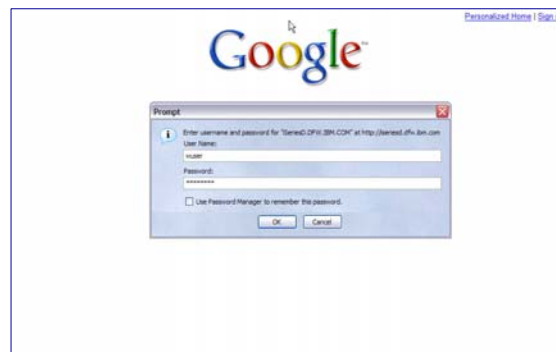
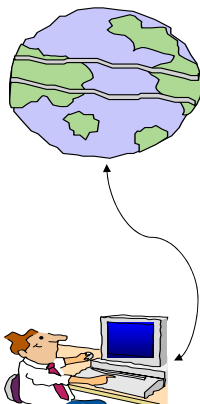


## 4 CL Commands in System i Access for Web

- **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 System i Access for Web (RMVACCWEB2) command is used to remove the System i Access for Web configuration from a web application server

## Users can now Connect!

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



## Different Ways to Roll Out System i 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 System i 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**

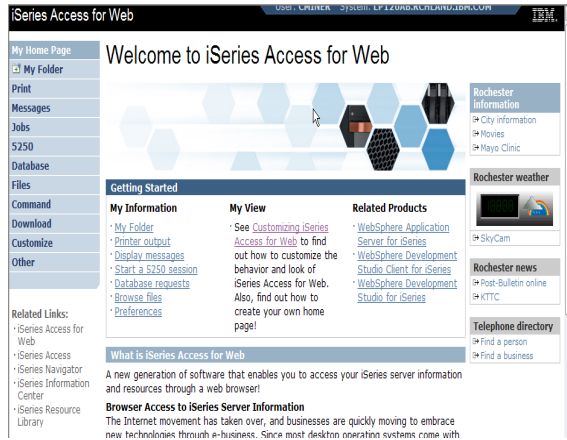


## Home Page entry point

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

- System i Access for Web 'Home Page' out-of-the-box view

- This page is totally customizable



**New 'look' in V5R4...**

## Your **Window** to your System i

<http://<myiseries>/webaccess/iWAHome>

### Customized 'window' to i5/OS

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

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




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

## Customized Home Page

### Customized view of the Home Page

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



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

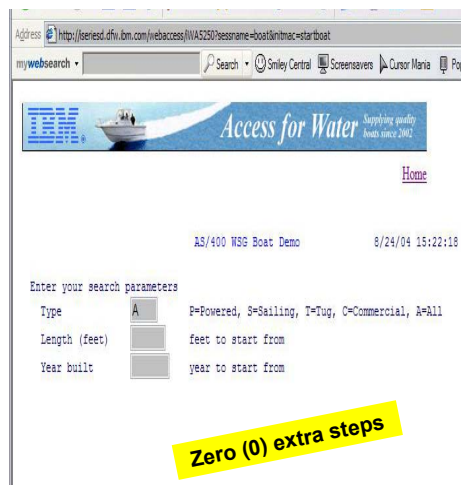
## Using 5250 emulator in System i Access for Web

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

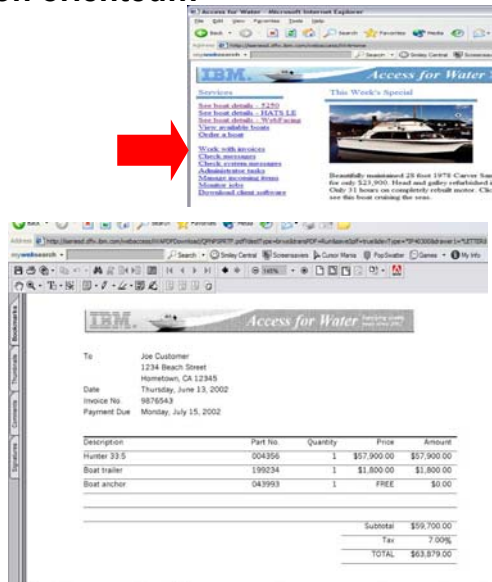
- Application looks better and did not work
- Can use 5250 Bypass Signon (new in V5R4) to bypass i5/OS sign-on screen
- Can use Access for Web Macro support to start the RPG application (BOATS)



## 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



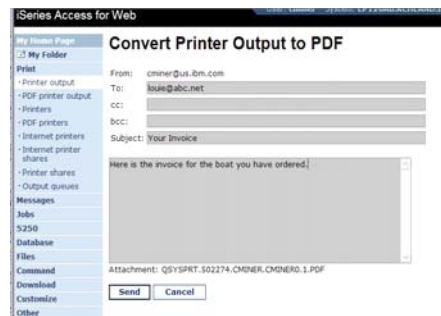
## E-mail PDF output

### E-mail is integrated with System i Access for Web

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

### User selects an option in the Printer Output screen to 'e-mail PDF output'

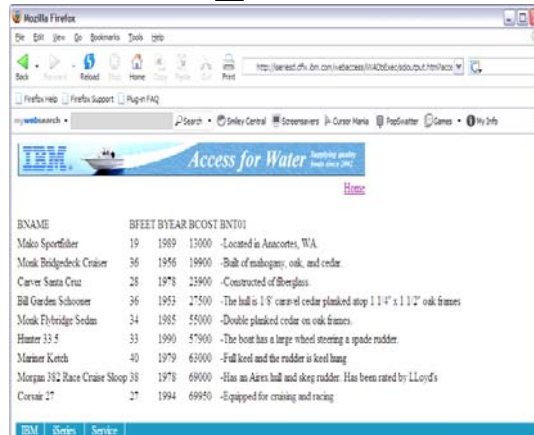
- The PDF document is then included in the e-mail
- Sender's e-mail address filled in; user only needs to address it.



## Run an i5/OS Database Query

Clicked on 'View our selection of moderately 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



## Try out System i Access for Web on a demo server!

Start your browser and connect to the following web site:

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

<p><b>User ID = WACUST</b></p> <p><b>Password = demo2pwd</b></p>	<p>This shows the basic look of System i 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 the iSeries, 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 spooled file information, work with IFS, run database requests, etc..</p>

Send email to: [LLHIRSCH@us.ibm.com](mailto:LLHIRSCH@us.ibm.com) to reset the user profiles if either gets disabled.



# System i Access for Web has many entry points

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

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

- Can enter at many different pages
- Can use navigation bar to move from function to function

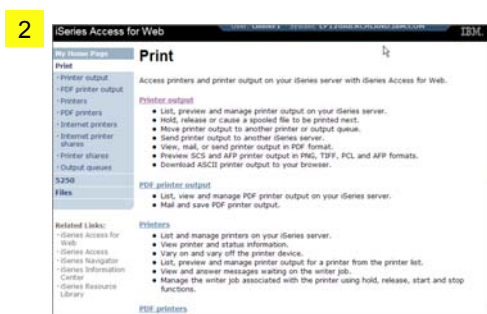
<http://<myiseries>/webaccess/iWA5250>



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

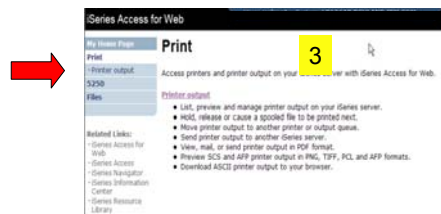


## Reduce functions you give to users



Reduce tabs that get displayed

Reduce options under tabs





## Printer Output - Spoolfile

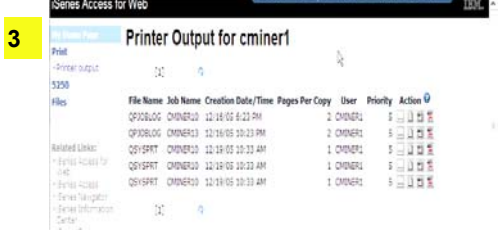
### 1. Print Tab

- User only has one option available, i.e. 'Printer output'

### 2. Default look of 'Printer Output'

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

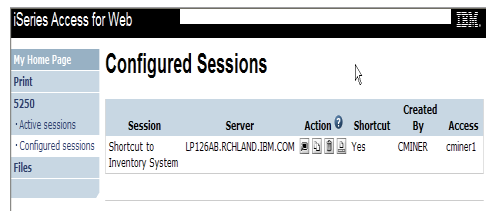
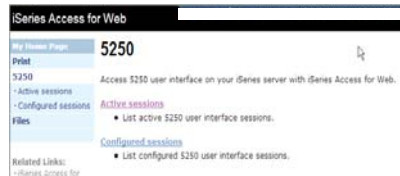
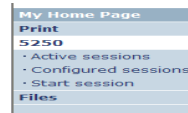
- Removed many of the columns of printer output
- Reordered list
- Removed several end user actions



## Run Pre-configured 5250 Sessions

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

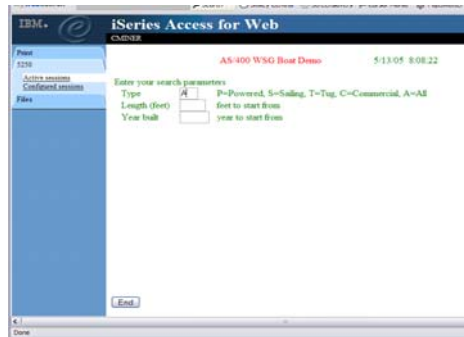
- You have removed user's ability to configure a session
- User selects 'Configured Sessions'
  - Only one listed, only action user can perform is to 'start' it
- User clicks on Start



## 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 the 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



2

3. Removed navigation bar, put keypad on top



3



4. Selected 'traditional' view, removed navigation bar

## Work with Files in the IFS

- Navigate and browse the directories located on your iSeries 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)



## Different Ways to Rollout 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 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)



## Portal built on i5/OS

The screenshot displays a WebSphere Portal interface with a navigation bar at the top containing 'Welcome', 'My Work', 'My Finances', 'My Newsroom', 'My iSeries', and 'My Favorites'. The main content area is divided into several portlets:

- My Page:** A large 'V5' graphic and a welcome message for WebSphere Portal version 5.0, including instructions on how to rearrange portlets.
- My Vertical News:** A news section with a photo and a headline: "Iraq al-Qaeda link" - 15 Islamists are arrested in Spain. It lists various news items under categories like World News, US News, and Market & Economy News.
- My Stocks:** A table showing stock prices for IBM, \$COMPO, \$DIJ, and \$SPX as of Monday, December 19, 2005, 1:31:00 PM. It includes a 'Get Quote' button and a 'Symbol Lookup' link.
- My Weather:** A section showing weather forecasts for Raleigh, North Carolina (48° Partly Sunny), Stuttgart, Germany (30° Snow), Beijing (Peking), China (23° Partly Cloudy), and Tokyo, Japan (36° Clear).

## System i Access for Web Portlets on System i Portal

The screenshot shows a WebSphere Portal interface with the 'My iSeries' portlet selected and highlighted with a red circle. The portlet content is as follows:

**Start Session**

Server: x1519p4.rchland.ibm.com  
 Port: 23  
 Code page: 37  
 Display HTML data in fields

**Workstation ID**

Use user ID  
 Specify workstation ID  
 Avoid duplicates for this user  
 Avoid duplicates with other users

**Start Session**

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

## Portlet Support added to System i Access for Web

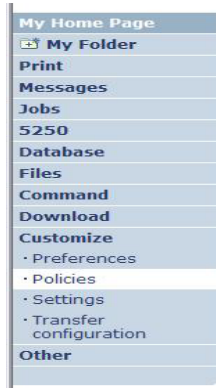
V6R1	V5R4	V5R3 PTF S111914 (May 2004)	V5R3 (Jan 2004)
<ul style="list-style-type: none"> <li>• New portal application: "Standard portal application"               <ul style="list-style-type: none"> <li>– Written to the Java Specification Requests (JSR) 168 Portlet Specification</li> <li>– Strategic System i Access for Web portal offering</li> </ul> </li> <li>• Original portlets, "IBM portal application," are still available</li> </ul>	<ul style="list-style-type: none"> <li>• Single Sign-on (SSO)               <ul style="list-style-type: none"> <li>– Via WAS Security model</li> <li>– 5250 Bypass signon option</li> </ul> </li> <li>• Database               <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>• Files               <ul style="list-style-type: none"> <li>– Zip function to zip files in IFS</li> </ul> </li> <li>• iSeries Credentials               <ul style="list-style-type: none"> <li>– Users can change i5/OS password via System i 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>• File</li> <li>• Print</li> <li>• Database</li> <li>• Command</li> <li>• Credentials</li> <li>• Related Links</li> </ul>	<ul style="list-style-type: none"> <li>• 5250</li> <li>• iFrame</li> <li>• Welcome</li> </ul>

## 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



## 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

## System i Access for Web uses i5/OS User Profiles

When an System i Access for Web user attempts to access any function on the iSeries, 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 iSeries user or group profile.
- Each 'Category' expands for granular control

Action	Category	Description	Access
<input checked="" type="checkbox"/>	S250	S250 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

## 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

Action	Category	Description	Access
<input checked="" type="checkbox"/>	S250	S250 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



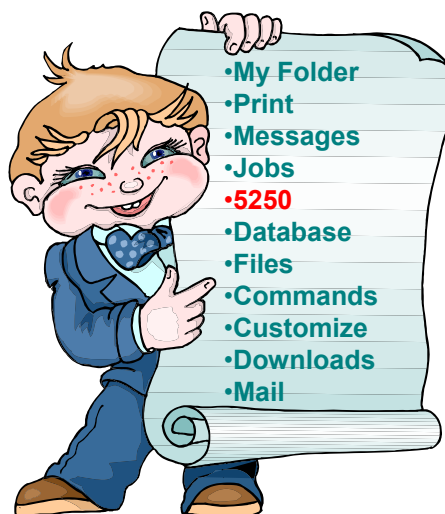
## Example: Set Policy to Default to Specific Directory in IFS

Set a 'Default Directory' for:

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



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



## System i Access for Web 5250 Interface

Runs as an interactive job

- Only function in System i Access for Web that is interactive

TN5250 port

- Only function in System i Access for Web that uses TN5250 port

The screenshot shows the 'MAIN' menu of the System i Access for Web 5250 interface. The left sidebar contains navigation options like 'My Home Page', 'My Folder', 'Print', 'Messages', 'Jobs', '5250', 'Active sessions', 'Configured sessions', 'Start session', 'Database', 'Files', 'Command', 'Download', 'Customize', and 'Other'. The main content area displays a list of menu options: 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, and 12. Sign off. Below the list is a text input field for 'Selection or command' and a 'Set initial menu' button. At the bottom, there are buttons for 'Exit', 'Prompt', 'Retrieve', 'Cancel', 'Information Assistant', 'Attention', 'Refresh Screen', 'Field Exit', 'Page Up', 'Enter', 'System Request', 'Stop Session', 'Reset', and 'Page Down'. A 'Macros' section at the bottom includes a 'Start Recording' button.

## Use “Start Session” Dynamically

- Specify the system to connect
- Select the session attributes
  - Port, code page, workstation ID, etc.
- Start session

The screenshot shows the 'Start Session' configuration screen. The left sidebar is identical to the previous screenshot. The main content area is titled 'Start Session' and contains several sections: 'Server' with fields for 'Server' (mysystem), 'Port' (23), and 'Code page' (37); 'Workstation ID' with radio buttons for 'Use user ID' and 'Specify workstation ID' (selected), and checkboxes for 'Avoid duplicates for this user' and 'Avoid duplicates with other users' (checked); and 'General' with a dropdown for 'Initial macro' and checkboxes for 'Bypass signon' and 'Display HTML data in fields'. A 'Start Session' button is located at the bottom.

## Start a Configured Session

- Configured sessions list shows the list of sessions for the logged in user
- Select the “Start” icon for the session to start

Session	Server	Action	Shortcut	Created By	Access
system A	LP016AB,RCHLAND.IBM.COM	[Start] [Delete] [Refresh]	No	smshao	smshao
system B	LP016AB,RCHLAND.IBM.COM	[Start] [Delete] [Refresh]	No	smshao	smshao

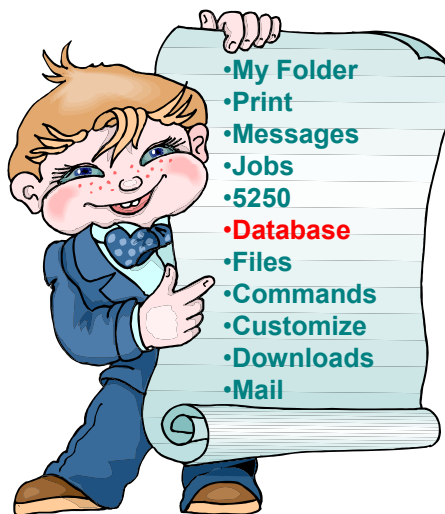
## Run Pre-Configured 5250 Sessions

You can limit users to connecting to only specific systems or running only specific applications.

`http://<system>:<port>/webaccess/iWAMain`

- Create preconfigured 5250 sessions
- Then set policies to restrict users to only preconfigured sessions
- User selects 'Configured Sessions'
  - Only link provided
  - User has only one action → to start a session

Session	Action	Shortcut	Created By	Access
Shortcut to demo	[Start]	Yes	smshao	*PUBLIC
Shortcut to Keyroll	[Start]	Yes	omner	*PUBLIC



## System i 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 DR2 UDR 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.

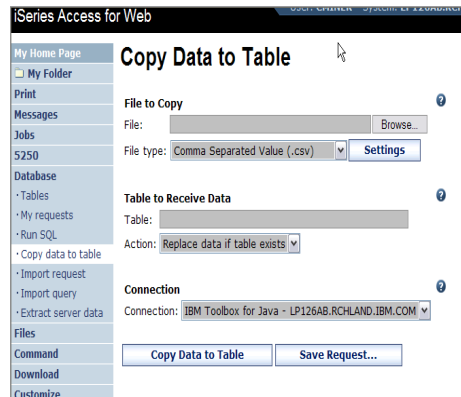
### Extract server data

- Extract server object information into a database table.

## Upload PC Data to the System i



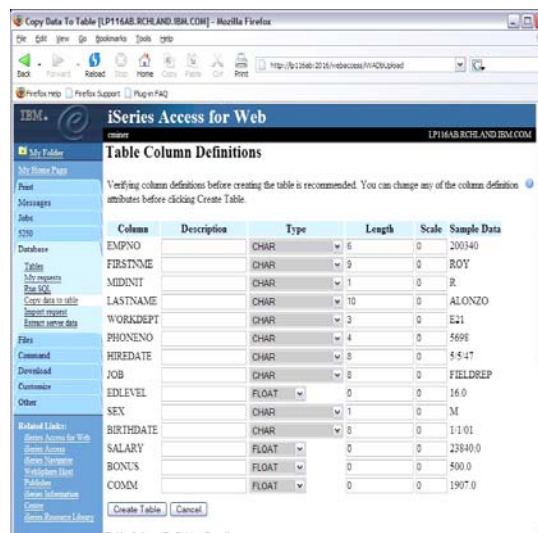
- Upload data from a variety of file types
  - Excel, XML, Lotus, etc
  - OpenOffice new V5R4
- Put into iSeries database
  - 'Replace' contents of table
  - 'Append' to existing data
- If no table exists on the iSeries, you will get a wizard to help you create a new table



## Create System i Table



**Wizard to help you create an iSeries table from your PC spreadsheet**



## Database Tables

You can:

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

The screenshot shows the 'Tables' section of the iSeries Access for Web interface. It displays a table with columns for 'Table', 'Description', and 'Action'. The table lists various tables such as BOATS.BOATS, BOATS.BOATS1, BOATS.PCFILES, etc.

Table	Description	Action
BOATS.BOATS	Available BOATS	[Icons]
BOATS.BOATS1	Available boats by length	[Icons]
BOATS.PCFILES	PC files needed by BOATS WSG Demo	[Icons]
BOATS.QCLSRC		[Icons]
BOATS.QCMSRC		[Icons]
BOATS.QDSSRC		[Icons]
BOATS.QRNCVTLG		[Icons]
BOATS.QRPGESRC		[Icons]
BOATS.QRPGSRC		[Icons]
QGDL.#	\$	[Icons]
QGDL.BITYPES		[Icons]
QGDL.CHADDEC		[Icons]
QGDL.CONCURTYPE		[Icons]
QGDL.CPY_INFO		[Icons]
QGDL.DAVE		[Icons]
QGDL.DECSEP		[Icons]
QGDL.DIVZERO		[Icons]
QGDL.DIVZERO2		[Icons]
QGDL.DSD		[Icons]
QGDL.DSPFWRSC	Output file for DSPFWRSC	[Icons]

## 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



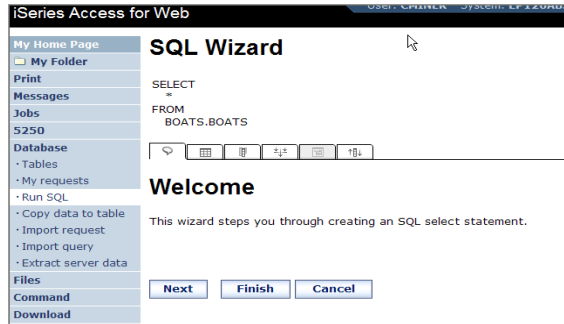
SQL Wizard if you don't know SQL

The screenshot shows the 'Run SQL' form. It includes a text area for the SQL statement: `SELECT 'BCOST', 'YEAR', 'BTYPE', 'BNAME', 'BFEET', 'BFT01' FROM BOATS.BOATS WHERE ('BCOST' > 10000)`. Below the text area is an 'SQL Wizard' button. The 'SQL Output' section shows 'Type' set to 'Microsoft Excel XML (.xml)' and 'Destination' set to 'Mail as attachment'. There are 'Settings' buttons for both. The 'Format' section shows 'Date' as '12/23/05' and 'Time' as '10:16:44 AM'. The 'Connection' section shows 'IBM Toolbox for Java' and 'RCHLAND.IBM.COM'. At the bottom are 'Run SQL' and 'Save Request...' buttons.

## Create Database Requests with SQL Wizard

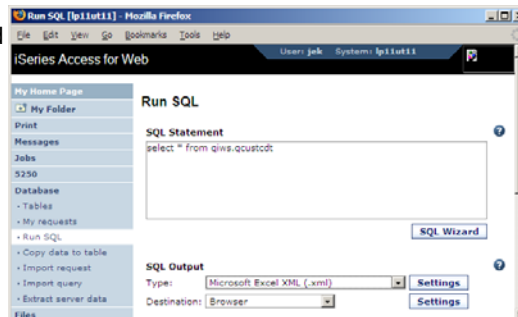
SQL Wizard enables you to:

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



## New in V6R1! Chart SQL Results: Background

- System i Access for Web provides support to run SQL statements and store the results in a selected file format
- Historical supported file formats include:
  - HTML
  - Microsoft Excel
  - PDF
  - OpenDocument

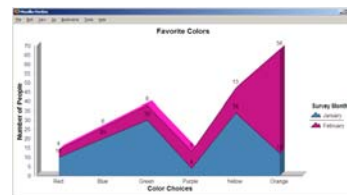
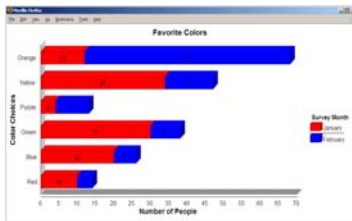
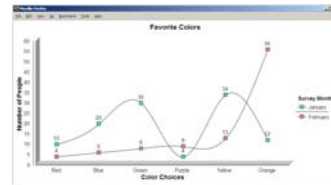
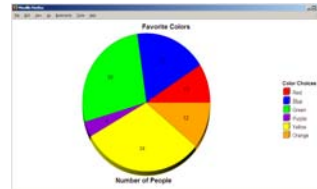


	A	B	C	D	E	F	G	H	I	J	K	
1	00000001	SHAM	RET	STREET	CITY	STATE	ZIPCODE	CUSTOMER	DMGNO	BALDUE	CUSTOMER	
2	038472	Heming	G.K.	4899 Elm	Dallas	TX	75211	5000	3	37	0	
3	839283	Jones	B.D.	218 W W	Day	NY	13041	400	1	100	0	
4	202099	Voss	S.S.	700 Box 10	Branson	VT	05448	700	1	420	0	
5	938488	Johnson	J.A.	7	Alpina W	Helen	GA	30545	9999	2	3887	33.5
6	297297	Tyler	W.E.	13 Myrtle	Hector	NY	14841	1500	1	0	0	
7	386572	Stevens	K.L.	208 Stone	Denver	CO	80225	400	1	58.75	1.5	
8	844293	Alston	J.S.	787 Latta	Dallas	TX	95342	5000	3	10	0	
9	479308	Day	J.W.	59 Archer	Spartan	GA	30688	700	2	200	0	
10	63929	Thomas	A.H.	79 Olive	Ci/Casper	VT	82609	9999	2	0	0	
11	583029	Williams	E.D.	485 SE 2	Dallas	TX	75216	200	1	25	0	
12	150307	Lee	F.L.	3963 Oak	Hector	NY	14841	700	2	88.5	0.5	
13	542990	Abraham	M.T.	392 Elm	Strife	MA	04342	9999	3	0	0	

	A	B	C	D	E	F	G	H	I	J	K	
1	00000001	SHAM	RET	STREET	CITY	STATE	ZIPCODE	CUSTOMER	DMGNO	BALDUE	CUSTOMER	
2	81475	Marling	B.R.	8883 Elm	Dallas	TX	76217	6000	4	27.00	0.00	
3	88888	Jones	B.D.	108 W W	Day	NY	13041	400	1	100.00	0.00	
4	88888	Stark	B.D.	100 Elm	Day	NY	13041	700	1	420.00	0.00	
5	98888	Johnson	J.A.	7	Alpina W	Helen	GA	30545	9999	2	3887.00	33.50
6	98888	Johnson	J.A.	7	Alpina W	Helen	GA	30545	9999	2	3887.00	33.50
7	98888	Johnson	J.A.	7	Alpina W	Helen	GA	30545	9999	2	3887.00	33.50
8	98888	Johnson	J.A.	7	Alpina W	Helen	GA	30545	9999	2	3887.00	33.50
9	98888	Johnson	J.A.	7	Alpina W	Helen	GA	30545	9999	2	3887.00	33.50
10	98888	Johnson	J.A.	7	Alpina W	Helen	GA	30545	9999	2	3887.00	33.50
11	98888	Johnson	J.A.	7	Alpina W	Helen	GA	30545	9999	2	3887.00	33.50
12	98888	Johnson	J.A.	7	Alpina W	Helen	GA	30545	9999	2	3887.00	33.50
13	98888	Johnson	J.A.	7	Alpina W	Helen	GA	30545	9999	2	3887.00	33.50

## Chart SQL results: SVG File Format

- Support for new output file type in V6R1
  - Scalable Vector Graphics Chart (\*.svg)
    - Language for describing 2D graphics in XML
    - W3C standard
  - Users can store SQL results in a chart



## Chart SQL Results: SVG Configuration

- Many configuration options
  - Chart type
    - Area, Bar, Pie, Line
  - Colors
  - Legend location
  - Grid shown
  - Chart type options
    - Bar – vertical or horizontal
    - Pie – exploded or complete
    - Line – marker shape
  - Other....
- Same destination options:
  - Browser, mail, IFS, personal folder





## 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  
Print  
5250  
Database  
My requests  
Files  
Download

### My Requests

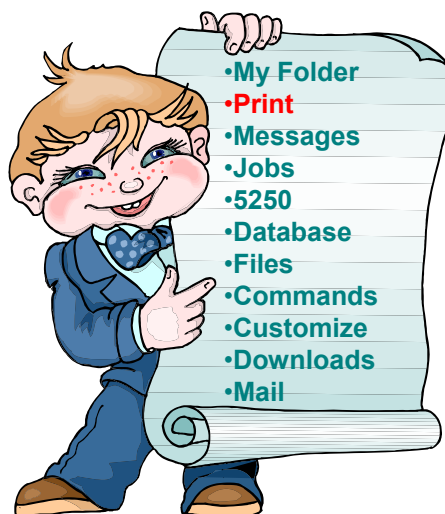
« « « [1] » » »

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	cmner	cmner1
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 Navigator  
iSeries Information Center  
iSeries Resource Library

## 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://<myseries>/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 pool file**

File Name	User	Creation Date/Time	Pages Per Copy	Copies	Status	Action	User	Job Name	Job Number	Job Num
QSYSRPT		12/15/05 4:31 PM	1	1	Ready	[Icons]	CMNER	CMNER0	502274	
QSYSRPT		12/15/05 4:31 PM	1	1	Ready	[Icons]	CMNER	CMNER0	502274	
QSYSRPT		12/15/05 4:32 PM	1	1	Ready	[Icons]	CMNER	CMNER0	502274	
QSYSRPT		12/15/05 4:39 PM	1	1	Ready	[Icons]	CMNER	CMNER0	502274	
QPRINT		12/15/05 4:41 PM	1	1	Ready	[Icons]	CMNER	QDVAPDFSTR	502281	
QPRINT		12/15/05 4:48 PM	1	1	Ready	[Icons]	CMNER	QDVAPDFSTR	502285	
QPRINT		12/15/05 4:50 PM	1	1	Ready	[Icons]	CMNER	QDVAPDFSTR	502287	
QPRINT		12/15/05 4:52 PM	1	1	Ready	[Icons]	CMNER	QDVAPDFSTR	502291	
QPRINT		12/15/05 4:57 PM	1	1	Ready	[Icons]	CMNER	QDVAPDFSTR	502291	

**Note: IBM Infoprint Server (57xx-IP1) is NOT needed to use "View PDF"**

## Printer Output - Spoolfile

### 1. Requested 'View PDF'

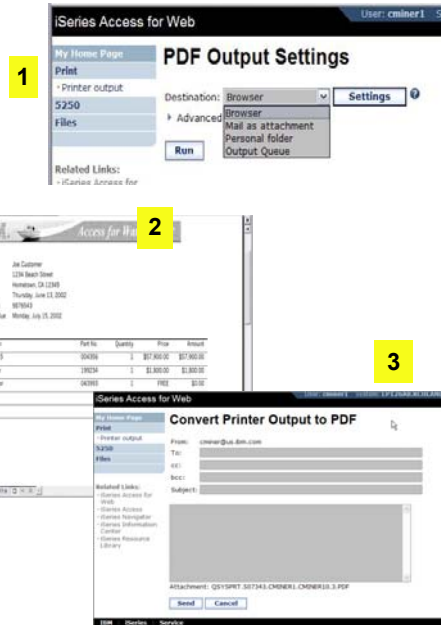
- Can select any option on pulldown for my printer output

### 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 iSeries



## PDF Printer Output

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

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

Actions include:

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

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

File Name	File Number	User	Creation Date/Time	Job Name	Job Number	Action
QVSPRT	5	JOANGG	4/7/05	QPRTJOB	064414	[View] [Copy] [Delete]
QVSPRT	1	CLARND	4/27/05	QPADEV018	115207	[View] [Copy] [Delete]
QVSPRT	2	CLARND	4/27/05	QPADEV018	115207	[View] [Copy] [Delete]
QVSPRT	1	CLARND	5/2/05	QPADEV012	122000	[View] [Copy] [Delete]
QVSPRT	2	CLARND	5/2/05	QPADEV012	122000	[View] [Copy] [Delete]
QVSPRT	3	CLARND	5/2/05	QPADEV012	122000	[View] [Copy] [Delete]
QVSPRT	4	CLARND	5/2/05	QPADEV012	122000	[View] [Copy] [Delete]
QVSPRT	5	CLARND	5/2/05	QPADEV012	122000	[View] [Copy] [Delete]
QVSPRT	6	CLARND	5/2/05	QPADEV012	122000	[View] [Copy] [Delete]
COVER_PAGE	11	GILBERTM	11/1/05	QPRTJOB	287159	[View] [Copy] [Delete]
BGL_3812	12	GILBERTM	11/1/05	QPRTJOB	287159	[View] [Copy] [Delete]
Command	13	GILBERTM	11/1/05	QPRTJOB	287159	[View] [Copy] [Delete]
BGL_3812	14	GILBERTM	11/1/05	QPRTJOB	287159	[View] [Copy] [Delete]
Download	15	GILBERTM	11/1/05	QPRTJOB	287159	[View] [Copy] [Delete]
Customer	16	GILBERTM	11/1/05	QPRTJOB	287159	[View] [Copy] [Delete]
BMC_3812	17	GILBERTM	11/1/05	QPRTJOB	287159	[View] [Copy] [Delete]
HRZ_3812	19	GILBERTM	11/1/05	QPRTJOB	287159	[View] [Copy] [Delete]

**Note:** IBM Infoprint Server (57xx-IP1) needed to use "PDF Printer Output" and "PDF Printers"

## Commands



## Run CL Commands

### 1 Search for Command



### 2 Then Run Command

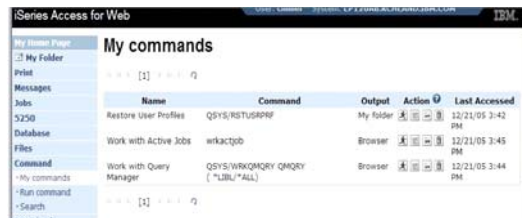


## My Commands

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

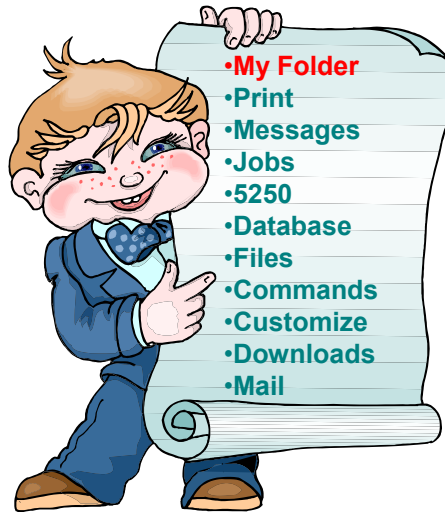


Name	Command	Output	Action	Last Accessed
Restore User Profiles	QSYS/RSIUSRPRF	My folder	[Icons]	12/21/05 3:42 PM
Work with Active Jobs	wrkactjob	Browser	[Icons]	12/21/05 3:45 PM
Work with Query Manager	QSYS/WRKQMRY QMRY (*LIBL/*ALL)	Browser	[Icons]	12/21/05 3:44 PM





## My Folder



## My Folder

### Folder resides in the 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 e-mail and My Folder functions to:

- Perform requests for someone else
- Distribute results to a group of users
- Send e-mail 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 items  
email them,  
delete them, etc



- Do not need to understand any Directory structure to put information in My Folder or another's Folder

Series Access for Web

My Folder

Item	Status	From	Date/Time	Size	Action
<input type="checkbox"/> Status [SQL output in PDF]	Unopened	CHINESE	12/12/05 8:08 PM	202	[Print] [Email] [Delete] [Refresh]
<input type="checkbox"/> SQL output in PDF	Unopened	CHINESE	12/12/05 6:08 PM	2543	[Print] [Email] [Delete] [Refresh]
<input type="checkbox"/> Status [SQL output in PDF]	Unopened	CHINESE	12/12/05 6:04 PM	202	[Print] [Email] [Delete] [Refresh]
<input type="checkbox"/> SQL output in PDF	Opened	CHINESE	12/12/05 6:04 PM	2543	[Print] [Email] [Delete] [Refresh]
<input type="checkbox"/> Status: SQL output to Integrated File System	Unopened	CHINESE	12/12/05 5:39 PM	272	[Print] [Email] [Delete] [Refresh]
<input type="checkbox"/> Status: SQL output to Integrated File System	Unopened	CHINESE	12/12/05 5:35 PM	271	[Print] [Email] [Delete] [Refresh]
<input type="checkbox"/> Status [SQL output in HTML]	Unopened	CHINESE	12/9/05 4:52 PM	202	[Print] [Email] [Delete] [Refresh]
<input type="checkbox"/> SQL output in HTML	Opened	CHINESE	12/9/05 4:52 PM	816	[Print] [Email] [Delete] [Refresh]
<input type="checkbox"/> Status [SQL output in XLS]	Unopened	CHINESE	12/5/05 4:35 PM	297	[Print] [Email] [Delete] [Refresh]
<input type="checkbox"/> SQL output in XLS	Opened	CHINESE	12/5/05 4:35 PM	3956	[Print] [Email] [Delete] [Refresh]

Delete Selected Items

## Downloads

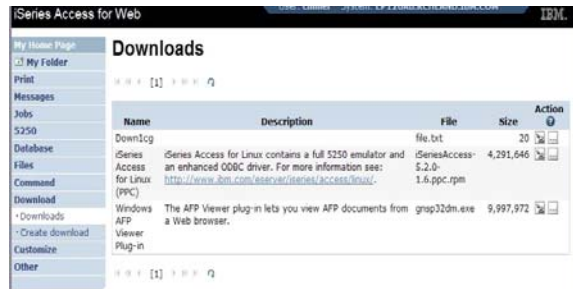




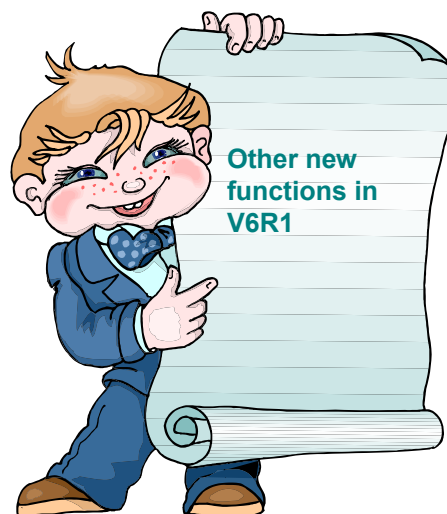
## Downloads – for file/program distribution

<http://<myseries>/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



Name	Description	File	Size	Action
Downlog		file.txt	20	[Icons]
iSeries Access for Linux (PPC)	iSeries Access for Linux contains a full S250 emulator and an enhanced ODBC driver. For more information see: <a href="http://www.ibm.com/series/iSeriesAccessLinux/">http://www.ibm.com/series/iSeriesAccessLinux/</a>	iSeriesAccess-5.2.0-1.6.ppc.rpm	4,291,646	[Icons]
Windows AFP Viewer Plug-in	The AFP Viewer plug-in lets you view AFP documents from a Web browser.	gnup32dm.exe	9,997,972	[Icons]



## New in V6R1! Single sign-on via Windows domain login – V6R1

- WAS 6.1 provides a trust association interceptor (TAI) that uses the Simple and Protected GSS-API Negotiation Mechanism (SPNEGO) to securely negotiate and authenticate HTTP requires for secured resources in WAS.
  - This uses kerberos authentication.
  - The SPNEGO TAI enables Windows domain login to be used when granting access to secure resources in WAS.
  
- When V6R1 System i Access for Web is configured in a SPNEGO TAI environment, the Windows workstation user can login to the Windows domain and have Access for Web use those credentials to authenticate to i5/OS

## New in V6R1! Schedule tasks: Create automated task as a .jar file

The screenshots illustrate the following steps:

1. Build the request and save it
2. Select "schedule the task"
3. Create (define) the task
4. Completed automated task definition
5. Review Database help to determine how to run the scheduled task

## Summary



## System i Access for Web V6R1 Enhancements



- Single sign-on: support authentication using Windows domain login
- Chart SQL results in bar, area, line, or pie chart
- SQL wizard supports joins of multiple tables
- Automation and scheduling of tasks
- JSR 168 Portlets



**Functional enhancements can be submitted via the FITS system. The url is:**  
<http://www.ibm.com/systems/i/software/access/>

And click on link "[Request for Design Change](#)"

## Why use System i Access for Web?

*Start simple, grow fast...*

- Any System i customer -- **with any hardware model** - can quickly get started working in a Web environment
  - ▶ If their system is not capable to running WAS, they can easily install the 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 with e-business
  - ▶ System i Access for Web is simple to install and configure
  - ▶ No programming skills required to set it up
- Any System i customer -- **without training or setup on users' desktops** - can extend the reach of their resources to end users
  - ▶ Use customize facility to set up view ('window') to System i and to control access to various i5/OS resources
    - all built around i5/OS user profiles

*A great first step to get System i into e-business*



*Use 'out of the box'*

## Additional Information

- System i Access Home page:
  - <http://www.ibm.com/systems/i/software/access>
- System i Access for Web Home page:
  - <http://www.ibm.com/systems/i/software/access/web/>
- Demo of System i Access for Web:
  - <http://iseriesd.demos.ibm.com/webaccess/iWAHome>



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