



IBM System i™

Session: **21C**

Tips and Techniques for System i Access for Web

Carole A Miner
IBM Rochester
cminer@us.ibm.com

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

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This presentation focuses
on additional things
you need to understand
about **deploying and using**
System i Access for Web
in your network



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**

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

Files

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

Commands

- Run commands
- My commands
- Search

Messages

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

My Personal Folder

Jobs

- User Jobs
- Server Jobs

Customize

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

Download

Other

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

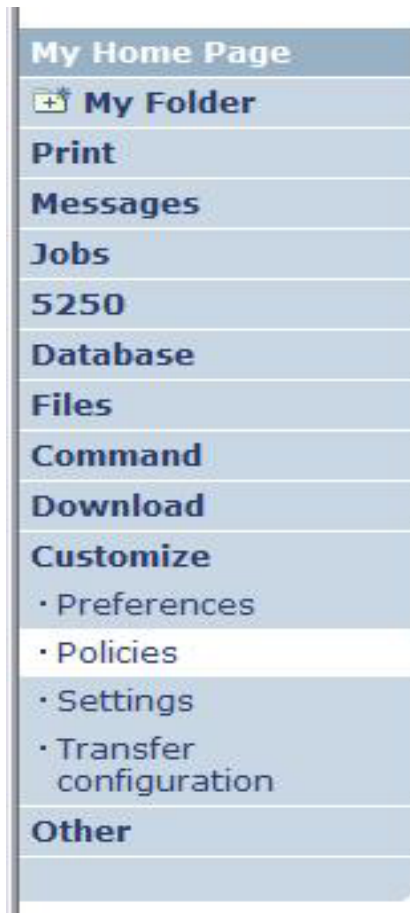
V5R4 System i Access for Web Enhancements

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

Control User Access to functions



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 i5/OS User Profiles

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

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

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

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

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 System i data
- When user attempts to use the System i Access for Web Database function to get at database information, the user may get an i5/OS message indicating they are not authorized to access the table

Customize → Policies

- Policies are used to control access to System i Access for Web functions
- Policies are saved and associated with the appropriate i5/OS user or group profile
- Each 'Category' expands for granular control

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

Recommendations for Setting Up Policies

Do as much customization as you can using *PUBLIC

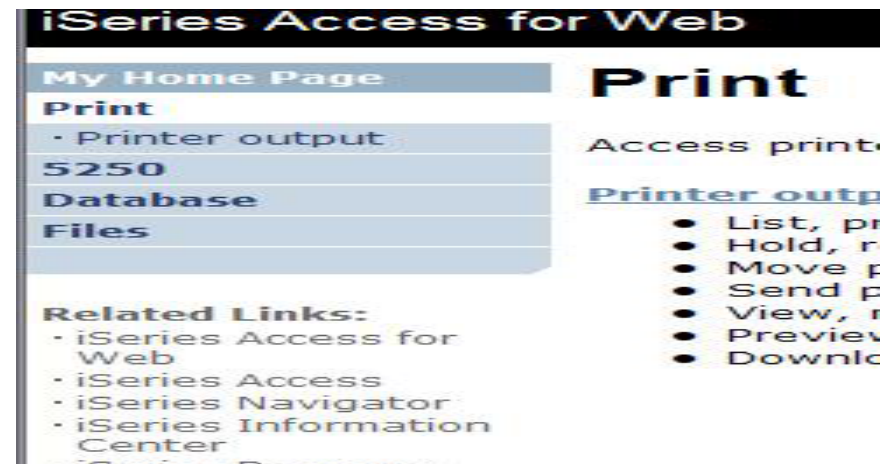
Create some 'Groups' of users and apply more specific customization

Examples:

- Setting up **Printer Output** view
- Setting up **Mail Server** SMTP address
- Creating look and feel of **5250** sessions
- Creating **Database Connections**
- **General Page Layouts**

Example: Create "Office" group

- Take away all tabs and functions except (for example) Printer Output, 5250, Database, IFS



Tip: Might want to Set up Printer Output with *PUBLIC

Shipped look

- 15 columns
- Multiple Actions

Display only attributes that make sense for your users

- Fits on one screen

iSeries Access for Web

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	...	CMINER	CMINER0	502274	
QSYSVRT	CMINER	12/15/05 4:31 PM	1	1	Ready	...	CMINER	CMINER0	502274	
QSYSVRT	CMINER	12/15/05 4:32 PM	1	1	Ready	...	CMINER	CMINER0	502274	
QSYSVRT	CMINER	12/15/05 4:39 PM	1	1	Ready	...	CMINER	CMINER0	502274	
QSYSVRT	CMINER	12/15/05 4:41 PM	1	1	Ready	...	CMINER	CMINER0	502274	
QPRINT	CMINER	12/15/05 4:48 PM	1	1	Ready	...	CMINER	QIWAPDFSTR	502281	
QPRINT	CMINER	12/15/05 4:50 PM	1	1	Ready	...	CMINER	QIWAPDFSTR	502285	
QPRINT	CMINER	12/15/05 4:52 PM	1	1	Ready	...	CMINER	QIWAPDFSTR	502287	
QPRINT	CMINER	12/15/05 4:57 PM	1	1	Ready	...	CMINER	QIWAPDFSTR	502291	

Use Policies / Preferences to remove attribute columns

Use Policies to modify the Action options

iSeries Access for Web

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	...
QPJOBLOG	CMINER13	12/16/05 10:23 PM	2	CMINER1	5	...
QSYSVRT	CMINER10	12/19/05 10:33 AM	1	CMINER1	5	...
QSYSVRT	CMINER10	12/19/05 10:33 AM	1	CMINER1	5	...
QSYSVRT	CMINER10	12/19/05 10:33 AM	1	CMINER1	5	...

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...

Customization – ‘Copy Policies’ between profiles

- The Copy Policies function enables policy settings to be copied from one profile to any number of other specified profiles.
- This enables System i Access for Web administrators to edit policy settings for one profile and replicate the settings to other profiles.

Must have at least *CHANGE object authority

–Administrators can copy policy settings for user and group profiles

The screenshot shows the 'Policies - User Profiles' page in the iSeries Access for Web interface. The page includes a navigation menu on the left with options like 'My Home Page', 'My Folder', 'Print', 'Messages', 'Jobs', '5250', 'Database', 'Files', 'Command', 'Download', 'Customize', 'Preferences', 'Settings', and 'Transfer configuration'. The main content area has a 'Profile filter' set to 'cminer' and a 'Filter List' button. Below this is a table with columns 'Profile', 'Description', and 'Action'. The table contains one entry: 'CMINER' with description 'Carole Miner/Rochester/IBM@IBMUS'. A red arrow points to the 'Action' column. Below the table is a 'Profile Filter Details' section with three bullet points explaining filter syntax.

The screenshot shows the 'Copy Policies' page in the iSeries Access for Web interface. The page includes a navigation menu on the left with options like 'My Home Page', 'My Folder', 'Print', 'Messages', 'Jobs', '5250', 'Database', 'Files', 'Command', 'Download', 'Customize', 'Preferences', 'Settings', and 'Transfer configuration'. The main content area has a heading 'Copy Policies' and a sub-heading 'Specify one or more profiles to copy policies to, separated by commas.' Below this is a form with 'From profile:' set to 'OFFICE' and 'To profiles:' with an 'Add...' button. There is a checkbox for 'Overwrite existing policies' and a 'Copy Policies' button. At the bottom, there is a 'Policies help' link and the text 'View help for copying policies.'

Copy Profile Settings from one System i to another

To copy customized profile settings from one System i to another System i

1. Use the Export function to put them in a PC file
2. Then use the Import function to put the profile settings on another System i

This is useful if you wish to create user group profiles (such as SALES, SECRETARY, etc) and set them up similarly on a variety of systems.



Transfer Configuration Data function (new in V5R4)

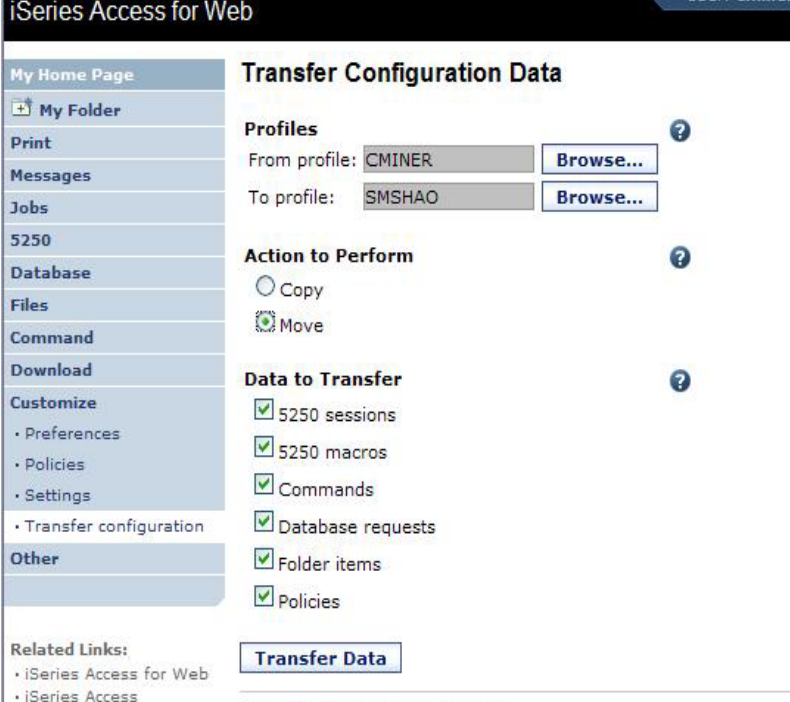
The Transfer Configuration Data function enables administrators to move configuration items between user profiles.

Configuration items supported are:

- 5250 sessions
- 5250 macros
- Commands
- Database requests
- Folder items
- Policies ←

Configuration items can be:

- Replicated via the *Copy* action
- Ownership transferred via the *Move* action



The screenshot shows the 'iSeries Access for Web' interface. 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 'Customize' section is expanded to show 'Preferences', 'Policies', 'Settings', and 'Transfer configuration'. The main content area is titled 'Transfer Configuration Data' and includes sections for 'Profiles' (with 'From profile' set to 'CMINER' and 'To profile' set to 'SMSHAO'), 'Action to Perform' (with 'Move' selected), and 'Data to Transfer' (with checkboxes for '5250 sessions', '5250 macros', 'Commands', 'Database requests', 'Folder items', and 'Policies' all checked). A 'Transfer Data' button is at the bottom.

Transfer ownership



Example of using Transfer Configuration Data

Created a new user

- Used Commands function

Gave new user same Policies same another user

- Used Transfer Configuration Data and selected 'Policies'

iSeries Access for Web User: cminer System: RCHLAND.IBM.COM

Transfer Configuration Data

Configuration data transferred successfully. [View details](#)

Profiles

From profile: brown

To profile: adams

Action to Perform

Copy

Move

Data to Transfer

5250 sessions

5250 macros

Commands

Database requests

Folder items

Policies

iSeries Access for Web User: adams System: RCHLAND.IBM.COM

Files

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

Browse files

- Navigate and browse the directories located on your iSeries server integrated file system.
- 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.

Customization Settings

Use Current Setting

1. The default shipped setting
2. Any setting that has been applied (ie, someone sets something at *PUBLIC level)

Apply setting to profile

1. Apply some setting
2. Don't change setting even if you are in a group that is getting a setting changed

Reset to default

1. Go back to default shipped setting

The way it looks when first installed

Profile: CMINER

Policy	Derived From	Action	Setting
Command access	Shipped default	Use current setting	Allow
Command tab	Shipped default	Use current setting	Show
My commands	Shipped default	Use current setting	Allow
Prompt commands	Shipped default	Use current setting	Allow
Retrieve commands	Shipped default	Use current setting	Allow
Delete commands	Shipped default	Use current setting	Allow
Maximum commands user can save	Shipped default	Use current setting	No maximum
My commands list columns	Shipped default	Use current setting	Columns...
My commands sort column	Shipped default	Use current setting	Name

iSeries Access for Web

Edit Policies - Command

Profile: CMINER

Policy	Derived From	Action	Setting
Command access	Shipped default	Use current setting	Allow
Command tab	Shipped default	Use current setting	Show
My commands	Shipped default	Use current setting	Allow
Prompt commands	Shipped default	Use current setting	Allow
Retrieve commands	Shipped default	Use current setting	Allow
Delete commands	Profile setting	Use current setting	Allow
Maximum commands user can save	Shipped default	Use current setting Apply setting to profile Reset to default	No maximum
My commands list columns	Shipped default	Use current setting	Columns...
My commands sort column	Shipped default	Use current setting	Name
My commands	Shipped default	Use current setting	Ascending

'Reset to default' added when setting changed

View All Policies set for User or Group

To later determine what policies have been set for a specific user and group, **go into Customize → User or Group (name) → Select 'View All Policies'**

- Can sort by Category or Derived From

Derived From tells you:

- Shipped default
- Profile setting
- Group - <group profile>
- *PUBLIC group
- *JOBCTL authority (special authority set for the i5/OS profile)
- SECADMIN authority
- Parent policy
- Administrator privileges
- Limit capabilities (*YES in the i5/OS profile)
- Directory entry (user's profile directory entry in the system directory)
- E-mail address
- Sametime user

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

View all policies
View current policy settings for all categories.
View group membership



Category	Policy	Parent Policy	Derived From	Action
5250	Start non-configured sessions	5250 access	Profile setting	<input checked="" type="checkbox"/> Deny
5250	Create configured session	Configured sessions	Profile setting	<input checked="" type="checkbox"/> Deny
5250	Copy configured session	Configured sessions	Profile setting	<input checked="" type="checkbox"/> Deny
5250	Delete configured session	Configured sessions	Profile setting	<input checked="" type="checkbox"/> Deny
5250	Rename configured session	Configured sessions	Profile setting	<input checked="" type="checkbox"/> Deny
5250	Edit configured session	Configured sessions	Profile setting	<input checked="" type="checkbox"/> Deny
5250	List configured session shortcuts	Configured sessions	Profile setting	<input checked="" type="checkbox"/> Deny
5250	Create configured session shortcut	Configured sessions	Profile setting	<input checked="" type="checkbox"/> Deny
5250	Copy configured session shortcut	Configured sessions	Profile setting	<input checked="" type="checkbox"/> Deny



Tips on Mail



Integrate User's email with System i Access for Web

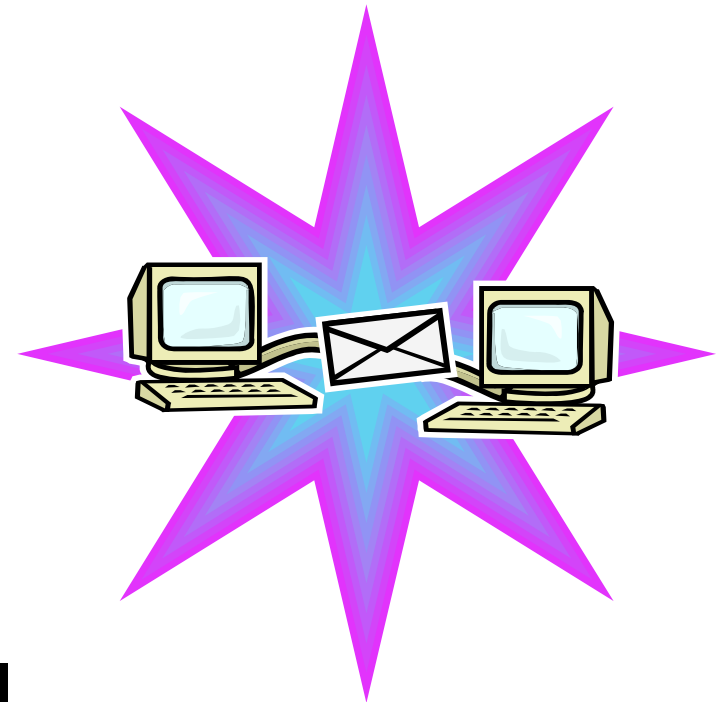
Can send results of the following System i Access for Web functions:

- PDF view of print information
- Database (SQL) results
- Information stored in the IFS
- CL command

Sent as an attachment to 'email'

One-step way to distribute information across the network, and particularly useful when recipient is:

- Not a System i user
- Does not have access to a web browser



Users can easily email results

'Mail' option displays for function of Access for Web that supports 'Mail'

iSeries Access for Web User: cminer System: RCHLAND.IBM.COM

Run SQL

SQL Statement

```
SELECT *
FROM "QGPL"."QSALEREC"
```

SQL Wizard

SQL Output

Type: Preview

Destination: Browser

Format: Mail as attachment

Date: 1/20/06

Time: 3:08:57 PM

iSeries Access for Web User: cminer System: RCHLAND.IBM.COM

PDF Output Settings

Destination: Browser

Advanced

Run

Printer output

PDF printer output

Printers

PDF printers

Internet printers

Internet printer

Mail as attachment

Personal folder

Output Queue

iSeries Access for Web User: cminer System: RCHLAND.IBM.COM

Directory Contents / CMINER

Copy Files to Server

Create Directory

Found 0 directories. Found 3 files with a total size of 15,136,488 bytes.

Name	Size (bytes)	Type	Modified	Action
../ (Parent Directory)				
ODBC_V5R4.zip	15133129	File	12/22/05 3:21:39 PM	
sqlOutput.html	816	File	12/12/05 5:35:42 PM	
sqlOutput.pdf	2543	File	12/12/05 5:38:59 PM	

Mail output

Send your e-mail

iSeries Access for Web User: cminer System: RCHLAND.IBM.COM

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
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- Customize
- Other

Convert Printer Output to PDF

From: cminer@us.ibm.com

To:

cc:

bcc:

Subject:

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

Your email address plugged in for you...

...see PDF attachment there...

How to set up Access for Web to use e-mail

Do nothing

- If you currently use OS/400 System Distribution Directory (SDD) to store your e-mail addresses, then do nothing to Access for Web.
- If no SMTP address has been provided, Access for Web will look in SDD for e-mail address for signed-on user

Use Access for Web 'Customize' function to set up SMTP mail server address and each user's e-mail address

- Use Policies (*PUBLIC) to set SMTP mail server address for everyone
- Use Policies for each user to add unique e-mail address, or
- Let each user use Preferences to set up their own e-mail address

Use V5R3 'Import Policy Settings' to provide all e-mail addresses to Access for Web

You must 'Customize' to use Email function

You need to identify your SMTP Server address

Use *PUBLIC to set up SMTP Server address

- You probably have same SMTP server address for all users

iSeries Access for Web User: cminer System: RCHLAND.IBM.COM

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My Folder

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Customize

- Preferences
- Policies
- Settings

Edit Policies - Mail 1

Profile: *PUBLIC

Policy	Derived From ?	Action ?	
Mail access	Shipped default	Use current setting ▼	Allow ▼
Send mail	Shipped default	Use current setting ▼	Allow ▼
SMTP mail server	Shipped default	Use current setting ▼	us.ibm.com
E-mail address is user preference	Shipped default	Use current setting ▼	Allow ▼

Note:

If the SMTP server address is blank, Access for Web will query the system directory (SDD) for email config info for your profile

All Users' Email addresses must be set up

e-Mail address must be set for each user

- Administrator could go into each user's profile and set email address
- Each user could do this themselves through 'Preferences'

iSeries Access for Web User: cminer System: RCHLAND.IBM.COM

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- Other

Edit Policies - Mail

Profile: CMINER

Policy	Derived From ?	Action ?	Setting
Mail access	Shipped default	Use current setting ▼	Allow ▼
Send mail	Shipped default	Use current setting ▼	Allow ▼
SMTP mail server	Profile setting	Use current setting ▼	us.ibm.com
E-mail address	Profile setting	Use current setting ▼	cminer@us.ibm.com
E-mail address is user preference	Shipped default	Use current setting ▼	Allow ▼

2

iSeries Access for Web User: cminer System: RCHLAND.IBM.COM

My Home Page

- My Folder
- Print
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- 5250
- Database
- Files
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- Download
- Customize
 - Preferences
 - Policies

Edit Preferences - Mail

Preference	Derived From ?	Action ?	Setting
E-mail address	Profile setting	Use current setting ▼	cminer@us.ibm.com

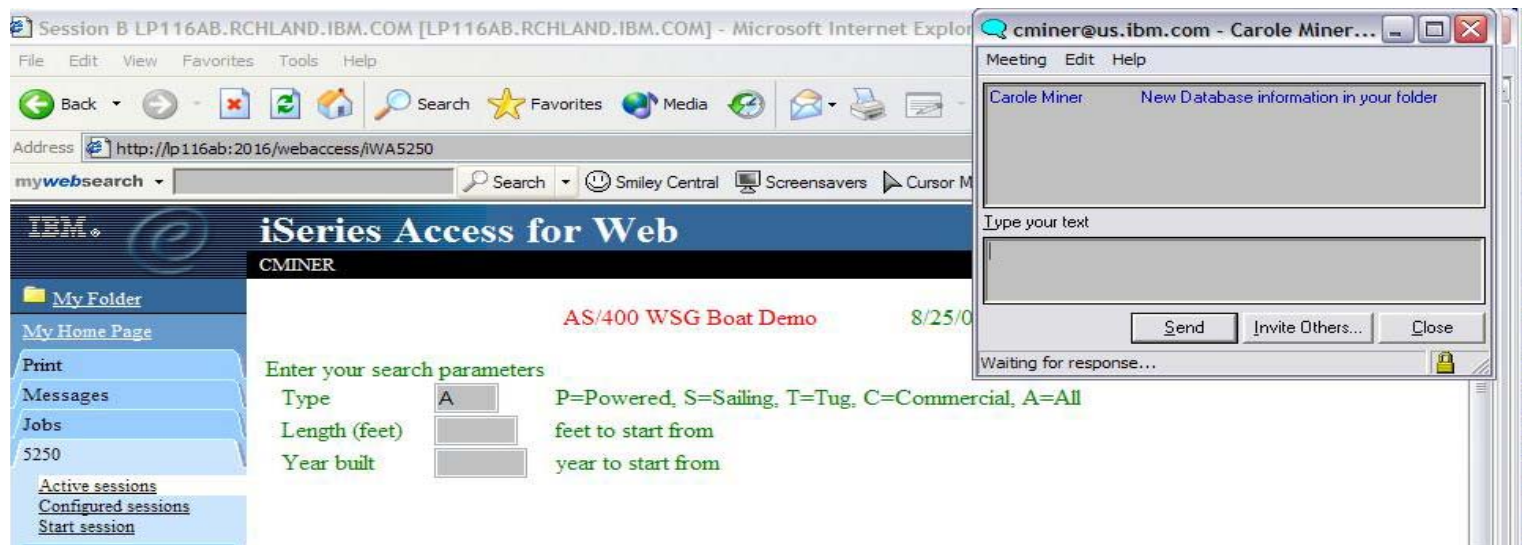
[Preferences help](#)
 View help for editing preferences.

2

Integration with Lotus Sametime

You can receive Sametime messages:

- When something is added to 'My Folder' -- this could be someone has put something new in my folder or a database or CL command request that I previously submitted has completed
- The administrator/system operator has sent a break message



You must have a Sametime Server installed in your network and accessible from your System i. Sametime is an add-on product to Lotus Notes.

Setup needed to integrate use of Sametime

Use **Settings** to globally set up Sametime server address and port number

• Use **Policies** to individually include each user's Sametime address

-- or --

• Let each user use **Preferences** to set up their own Sametime address

1

Edit Settings - Sametime

Setting	Value	Description
Community server	RCHLAND.IBM.COM	Specify the host name of the Sametime community server.
Server port	1516	Specify the port number of the Sametime community server.
Connect timeout	30 seconds	Specify the maximum time to wait when attempting to connect to the Sametime community server.

Buttons: Save, Cancel, Apply, Shipped Defaults

2

Edit Policies - Sametime

Profile: CMINER

Policy	Derived From	Action	Setting
Sametime access	Shipped default	Use current setting	Allow
Send Sametime content	Shipped default	Use current setting	Allow
Sametime user	Shipped default	Use current setting	cminer@us.ibm.com
Sametime user is user preference	Shipped default	Use current setting	Allow

Buttons: Save, Cancel, Apply

2

Edit Preferences - Sametime

Preference	Derived From	Action	Setting
Sametime user	Profile setting	Use current setting	cminer@us.ibm.com

Buttons: Save, Cancel, Apply

[Preferences help](#)
View help for editing preferences.

Import Policies from existing mail server directory

The policy settings for multiple user profiles can be updated by using the **Import Policies** (one request)

- This eliminates need for each profile to be individually updated
- Email addresses and SAMETIME addresses



iSeries Access for Web User: cminer System: .RCH 3

Import Policies

Specify the file containing policies you want to import.

File: Browse...

Import Policies

[Policies help](#)
View help for importing policies.

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Administrators are only able to import policy settings to user and group profiles for which they have at least *CHANGE object authority

Import Policies requires a file type of .XML (example)

```
<?xml version="1.0" encoding="utf-8" standalone="yes"?>
<QIWA Policies>
  <profile name="TSMITH">
    <mail>
      <fromEmailAddress>tsmith@myMailServer.com</fromEmailAddress>
    </mail>
    <sametime>
      <userName>tsmith@mySametime.com</userName>
    </sametime>
  </profile>
  <profile name="CJONES">
    <mail>
      <fromEmailAddress>cjones@myMailServer.com</fromEmailAddress>
    </mail>
    <sametime>
      <userName>cjones@mySametime.com</userName>
    </sametime>
  </profile>
</QIWA Policies>
```

Tip: Folder Notification

Set up for email notification

Set "Send e-mail on new folder items" to "yes"

Notification email address does not have to be the same as mail settings

- defaults to email address in the mail setting
- override with email address of cell phone, or pager

My Home Page

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- Other

Related Links:

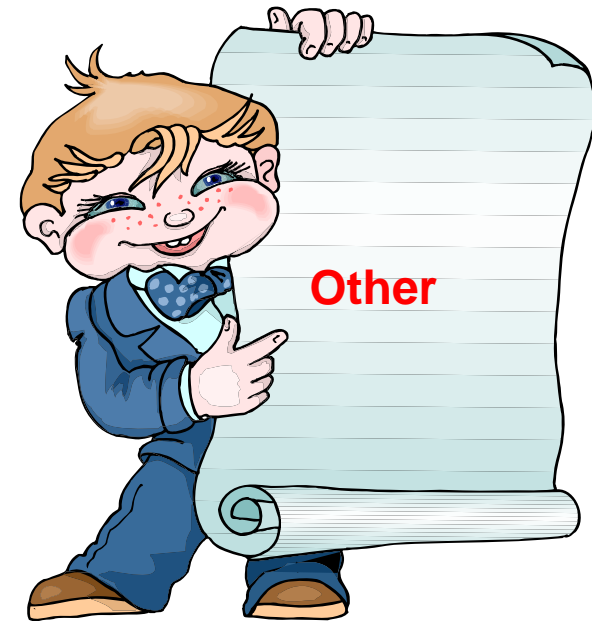
- iSeries Access for Web
- iSeries Access
- iSeries Navigator
- iSeries Information

Edit Policies - My Folder

Profile: CMINER

Policy	Derived From ?	Action ?	Setting
My Folder access	Shipped default	Use current setting	Allow
My Folder tab	Shipped default	Use current setting	Show
Create folder items	Shipped default	Use current setting	Allow
Rename folder items	Shipped default	Use current setting	Allow
Copy folder items	Shipped default	Use current setting	Allow
Copy folder items to file	Shipped default	Use current setting	Allow
Mail folder items	Shipped default	Use current setting	Allow
Mark folder items opened/unopened	Shipped default	Use current setting	Yes
My Folder notification	Shipped default	Use current setting	E-mail and Sametime
Notify on new folder items	Shipped default	Use current setting	Yes
Notify on folder items threshold	Shipped default	Use current setting	Yes

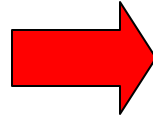
Tips & Goodies in 'Other Tab'



Good information for load balancing your System i

Connection Pool Status

- How many Access for Web users have been connected?
- How many on now?
- Who are they?



iSeries Access for Web User: cminer System: RCHLAND.IBM.COM

Connection Pool Status

Connection Summary

Setting	Value	Description
Active connections	0	Total number of active connections for all users.
Available connections	7	Total number of available connections for all users.
Total connections	7	Total number of active and available connections for all users.
Total users	12	Total number of users that have connected since iSeries Access for Web started.
Active users	3	Total number of users that have active or available connections.

Connection Details

System	User	Active	Available	Action
RCHLAND.IBM.COM	JHANSEN	0	3	Clear
RCHLAND.IBM.COM	JEK	0	2	Clear
RCHLAND.IBM.COM	CMINER	0	2	Clear

iSeries Access for Web User: cminer System: RCHLAND.IBM.COM

Edit Settings - Connection Pool

Setting	Value	Description
Cleanup interval	5 minutes	Specify how often to clean up connections.
Connections per user	No maximum	Specify the maximum number of concurrent connections allowed per user.
Maximum inactivity	1 hour	Specify the maximum time a connection can be inactive before it is cleaned up.
Maximum lifetime	12 hours	Specify the maximum time a connection can exist before it is cleaned up.
Maximum use count	No maximum	Specify the maximum number of times a connection can be used before it is cleaned up.
Maximum use time	10 hours	Specify the maximum time a connection can be active before it is cleaned up.

Save Cancel Apply Shipped Defaults



Settings – Connection Pool

- Any settings you make apply to all users
- Set number of sessions a user can start
- How much inactivity before we clean up a session

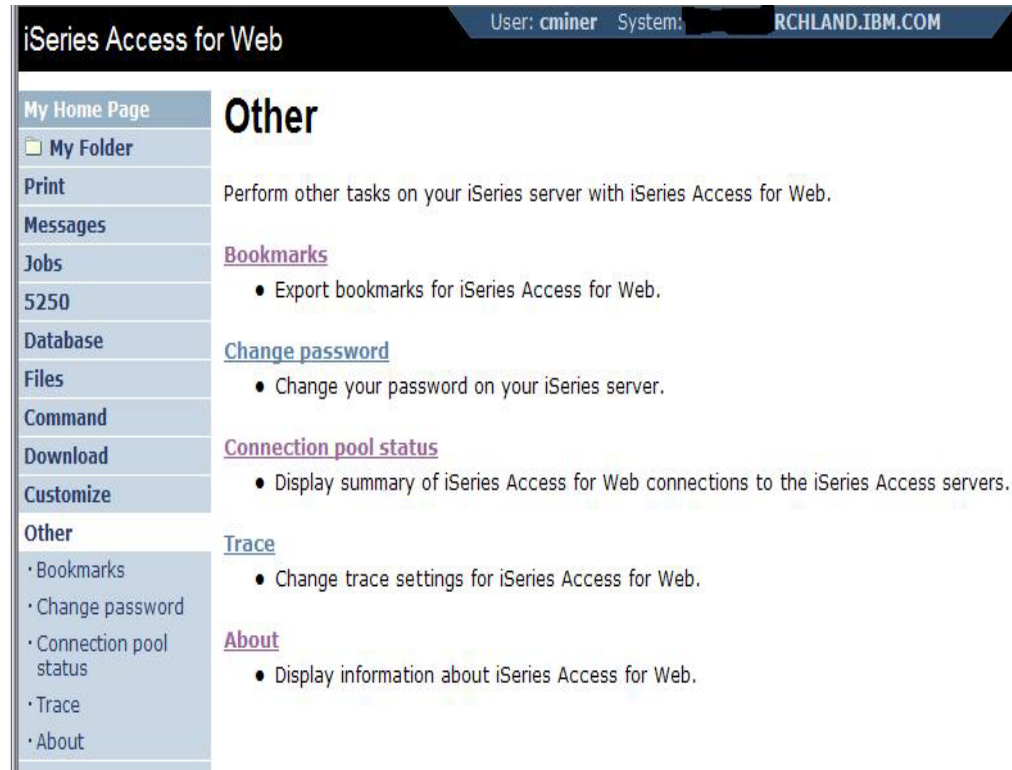
Tip: Export Navigation as Bookmarks

Most System i Access for Web pages are bookmarkable

- Use bookmarks/favorites to access frequently access functions directly

Export System i Access for Web navigation as bookmarks

- Bookmarks can be imported by:
 - Internet Explorer
 - Netscape Navigator
 - Mozilla
 - Opera...



The screenshot shows the 'iSeries Access for Web' interface. The top navigation bar includes 'User: cminer', 'System: [redacted]', and 'RCHLAND.IBM.COM'. A left sidebar contains a menu with items: 'My Home Page', 'My Folder', 'Print', 'Messages', 'Jobs', '5250', 'Database', 'Files', 'Command', 'Download', 'Customize', and 'Other'. The 'Other' menu item is expanded, showing sub-items: 'Bookmarks', 'Change password', 'Connection pool status', 'Trace', and 'About'. The main content area is titled 'Other' and lists several tasks:

- Bookmarks**
 - Export bookmarks for iSeries Access for Web.
- Change password**
 - Change your password on your iSeries server.
- Connection pool status**
 - Display summary of iSeries Access for Web connections to the iSeries Access servers.
- Trace**
 - Change trace settings for iSeries Access for Web.
- About**
 - Display information about iSeries Access for Web.

On the 'About' link under Other...

Product information about Access for Web

About end user connection

- Request information
- Request headers
- iSeries Access for Web information

System i Access for Web properties

- IBM Toolbox for Java properties
- Connection pool settings

File Content Type Map

System Properties

iSeries Access for Web User: cminer System: RCHLAND.IBM.COM IBM

About iSeries Access for Web

IBM eServer iSeries Access for Web
Version 5 Release 4 Modification level 0
Program number: 5722-XH2

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All Rights Reserved.

US Government Users Restricted Rights - Use, duplication, or disclosure restricted by GSA ADP Schedu

Licensed Materials - Property of IBM

IBM is a registered trademark of International Business Machines Corp.

Product Information

fix: SI22130
http.baseuri: /webaccess/
copyright: (C) Copyright IBM Corp. 2000,2005
product: 5722-XH2
http.hostname: rchland.ibm.com
vrm: 5.4.0
build: 05-191

Related Links:

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

And more...



On the 'About' link under Other... (continued)

Way down at the end of
'Other'

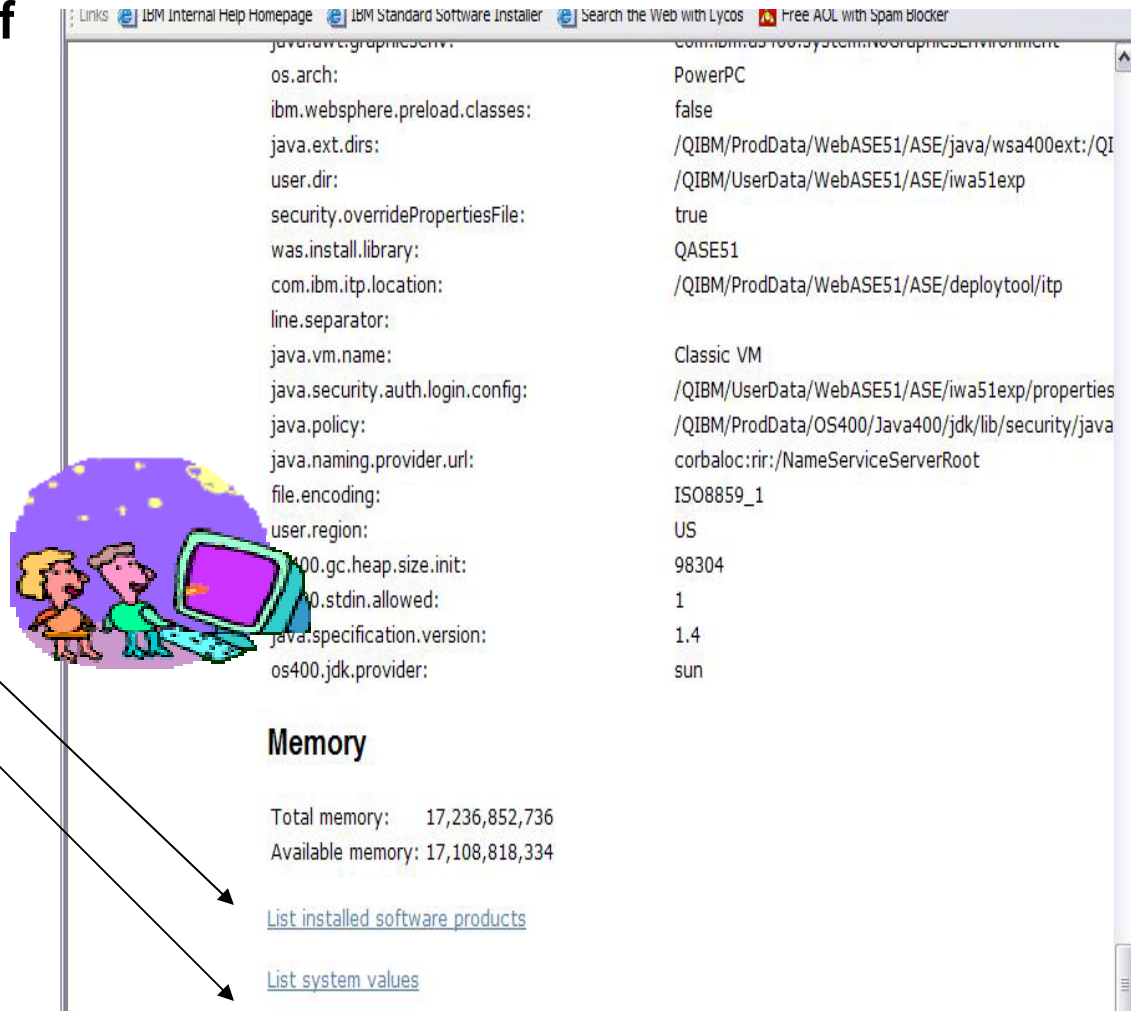
Memory

List installed software
products on System i

- List Software fixes installed

List system values

- Allocation system values
- Date/time
- Security system values...



Links IBM Internal Help Homepage IBM Standard Software Installer Search the Web with Lycos Free AOL with Spam Blocker

```

java.awt.graphicsenv: com.ibm.as400.tools.j2ee.ui.GraphicsEnvironment
os.arch: PowerPC
ibm.websphere.preload.classes: false
java.ext.dirs: /QIBM/ProdData/WebASE51/ASE/java/wsa400ext:/QI
user.dir: /QIBM/UserData/WebASE51/ASE/iwa51exp
security.overridePropertiesFile: true
was.install.library: QASE51
com.ibm.itp.location: /QIBM/ProdData/WebASE51/ASE/deploytool/itp
line.separator:
java.vm.name: Classic VM
java.security.auth.login.config: /QIBM/UserData/WebASE51/ASE/iwa51exp/properties
java.policy: /QIBM/ProdData/OS400/Java400/jdk/lib/security/java
java.naming.provider.url: corbaloc:rir:/NameServiceServerRoot
file.encoding: ISO8859_1
user.region: US
java400.gc.heap.size.init: 98304
java400.stdin.allowed: 1
java.specification.version: 1.4
os400.jdk.provider: sun
  
```

Memory

Total memory: 17,236,852,736
Available memory: 17,108,818,334

[List installed software products](#)

[List system values](#)

On the 'About' link under Other... (continued)

Find out everything about the **Software** products on your System i

Software Products

- You can see all software products installed on System i. Click on the 'Product' link and get to

Software Product Properties

- From there click on 'List Software Fixes'

Software Product Fixes

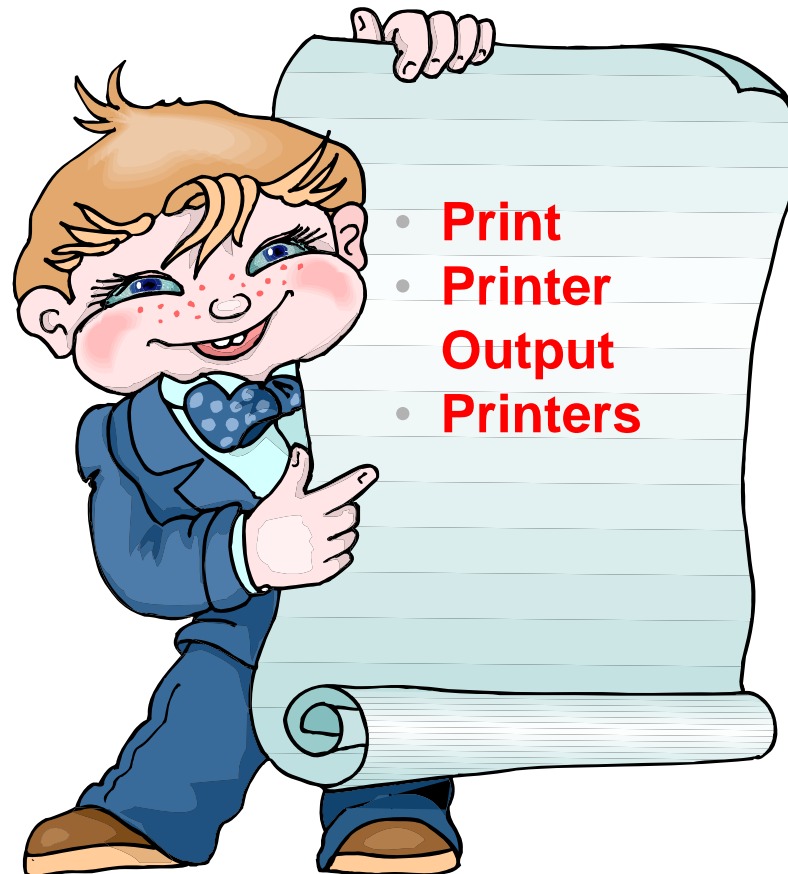
- Can see all software fixes applied, including the following on each fix:
 - General Information
 - Symptoms
 - Cover Letter

Product	Option	Release	Status	Description
5722SS1	0000	V5R3M0	*INSTALLED	Operating System/400
5722SS1	0001	V5R3M0	*INSTALLED	OS/400 - Extended Base Support
5722SS1	0002	V5R3M0	*INSTALLED	OS/400 - Online Information
5722SS1	0003	V5R3M0	*INSTALLED	OS/400 - Extended Base Directory Support
5722SS1	0005	V5R3M0	*INSTALLED	OS/400 - System/36 Environment
5722SS1	0006	V5R3M0	*INSTALLED	OS/400 - System/38 Environment
5722SS1	0007	V5R3M0	*INSTALLED	OS/400 - Example Tools Library
5722SS1	0008	V5R3M0	*INSTALLED	OS/400 - AFP Compatibility Fonts
5722SS1	0009	V5R3M0	*INSTALLED	OS/400 - *PRV CL Compiler Support
5722SS1	0012	V5R3M0	*INSTALLED	OS/400 - Host Servers
5722SS1	0013	V5R3M0	*INSTALLED	OS/400 - System Openness Includes
5722SS1	0014	V5R3M0	*INSTALLED	OS/400 - GDDM

Product ID:	5722IP1
Description:	IBM Infoprint Server for iSeries
Release:	V5R3M0
Option:	0000
Feature ID:	5050
Feature type:	*CODE
Load error:	no
Load state:	90
Primary language:	2924

ID	Product	Option	Release	Target Release	Action Required	Action Pending	On Order
RS00068	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S113114	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S111428	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S111872	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S112118	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S112126	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S112180	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S113920	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S114201	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S114239	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S114636	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S114719	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S115532	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S115572	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S117141	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S117185	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S117456	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S117738	5722IP1	0000	V5R3M0	V5R3M0	0	no	no

Tips on Print



Printer Output

Printer output displayed is for the signed-on user id.

If you want to see a different spool file, you can do it by adding a parameter to the System i Access for Web path.

Example...

- I am signed on as user 'cminer1'. By default I can see all 'cminer1' spool files.
- If I enter a new url path as http://<iseries_name>/webaccess/iWASpool?user=warrena
- Then I would be able to see all 'warrena' spool files -->

iSeries Access for Web

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	[Print] [Refresh] [Delete]
QPJOBLOG	CMINER13	12/16/05 10:23 PM	2	CMINER1	5	[Print] [Refresh] [Delete]
QSYSVRT	CMINER10	12/19/05 10:33 AM	1	CMINER1	5	[Print] [Refresh] [Delete]
QSYSVRT	CMINER10	12/19/05 10:33 AM	1	CMINER1	5	[Print] [Refresh] [Delete]
QSYSVRT	CMINER10	12/19/05 10:33 AM	1	CMINER1	5	[Print] [Refresh] [Delete]

iSeries Access for Web

User: cminer1 System: RCHLAND.IBM.COM

Printer Output for warrena

File Name	Job Name	Creation Date/Time	Pages Per Copy	User	Priority	Action
QPDSPAJB	QPRTJOB	10/4/05 8:23 AM	7	WARRENA	5	[Print] [Refresh] [Delete]

Must have the proper authority in your i5/OS user profile

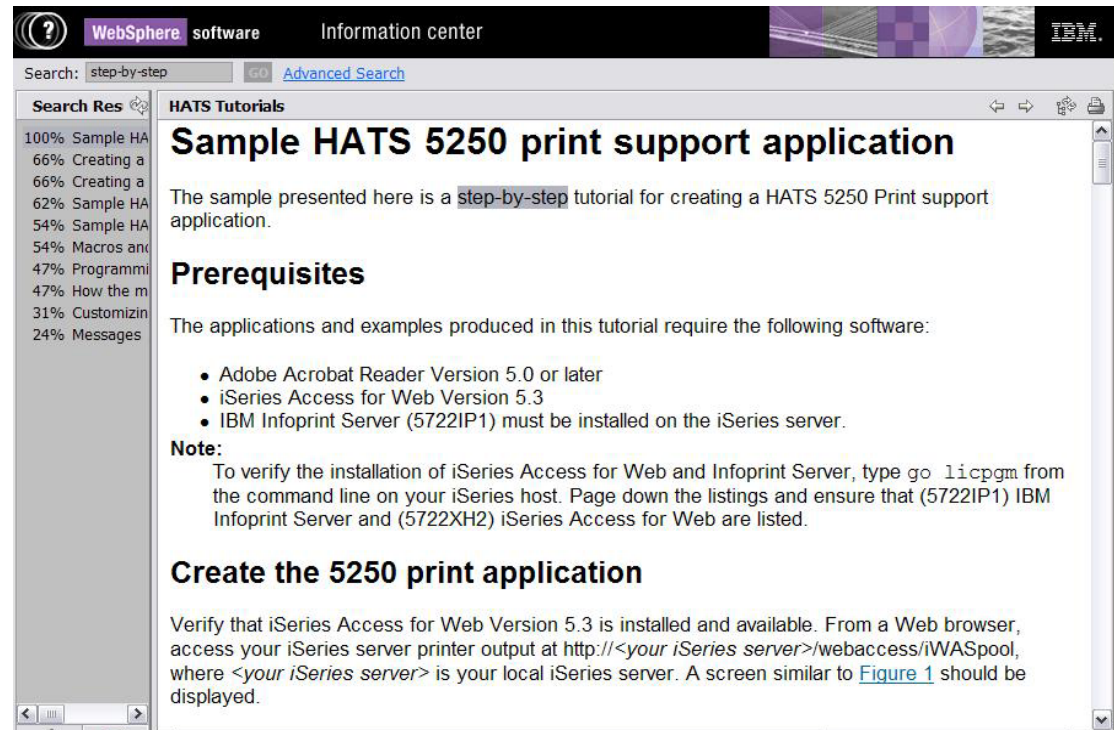
HATS uses System i Access for Web for Printer Output

<http://publib.boulder.ibm.com/infocenter/hatsv6/index.jsp>

Use System i Access
for Web 'Printer
Output' capability
with HATS
applications

Note:

**InfoPrint Server not
required**



The screenshot shows a web browser window displaying the IBM WebSphere software Information center. The search results for 'step-by-step' are shown, with the top result being 'Sample HATS 5250 print support application'. The page content includes a description of the tutorial, a list of prerequisites (Adobe Acrobat Reader, iSeries Access for Web, and IBM Infoprint Server), a note about verifying the installation, and instructions on how to create the 5250 print application.

Search Res

- 100% Sample HA
- 66% Creating a
- 66% Creating a
- 62% Sample HA
- 54% Sample HA
- 54% Macros and
- 47% Programmi
- 47% How the m
- 31% Customizin
- 24% Messages

HATS Tutorials

Sample HATS 5250 print support application

The sample presented here is a [step-by-step](#) tutorial for creating a HATS 5250 Print support application.

Prerequisites

The applications and examples produced in this tutorial require the following software:

- Adobe Acrobat Reader Version 5.0 or later
- iSeries Access for Web Version 5.3
- IBM Infoprint Server (5722IP1) must be installed on the iSeries server.

Note:

To verify the installation of iSeries Access for Web and Infoprint Server, type `go l1cpgm` from the command line on your iSeries host. Page down the listings and ensure that (5722IP1) IBM Infoprint Server and (5722XH2) iSeries Access for Web are listed.

Create the 5250 print application

Verify that iSeries Access for Web Version 5.3 is installed and available. From a Web browser, access your iSeries server printer output at `http://<your iSeries server>/webaccess/iWASpool`, where `<your iSeries server>` is your local iSeries server. A screen similar to [Figure 1](#) should be displayed.

Tip: Take Advantage of Printer Views

Basic (default)

- Hides the System i printer concept
- Simplified actions to control printers

Printer	Status	Action	Description	Output Queue
AFPRT1	Unavailable	[Start/Stop]	Device created for LP126AB.	QUSRSYS/AFPRT1
AHORASI	Unavailable	[Start/Stop]	text for ahorasi printer	QUSRSYS/AHORASI
CMINER1PRT	Unavailable	[Start/Stop]	PDF Output for CMINER1	QUSRSYS/CMINER1PRT
CONVERTPDF	Stopped	[Start/Stop]	PDF Convert - Spool PDF to QEZJOBLOG/QUSRSYS	QUSRSYS/CONVERTPDF
DAWNIP40	Ready	[Start/Stop]	web nav URL test printer	QUSRSYS/DAWNIP40
DAWN1140	Ready	[Start/Stop]	web nav URL test printer	QUSRSYS/DAWN1140
DMSPRTA	Unavailable	[Start/Stop]	Device created for LP126AB.	QUSRSYS/DMSPRTA
FROMPDF	Unavailable	[Start/Stop]	description	QUSRSYS/FROMPDF
HP8100	Stopped	[Start/Stop]	created by Eric Larese	QUSRSYS/HP8100
INTERPRTJ	Ready	[Start/Stop]		QUSRSYS/INTERPRTJ
INTERPRTJ2	Ready	[Start/Stop]	Internet Printer..	QUSRSYS/INTERPRTJ2
INTERPRT01	Stopped	[Start/Stop]		QUSRSYS/INTERPRT01
INTERPRT02	Ready	[Start/Stop]		QUSRSYS/INTERPRT02
INTERPRT7	Ready	[Start/Stop]	NEW DESCRIPTION FOR INTERPRT7	QUSRSYS/INTERPRT7
IP1120	Ready	[Start/Stop]	TESTING testing	QUSRSYS/IP1120
IP1145	Stopped	[Start/Stop]		QUSRSYS/IP1145
IWAAPP	Unavailable	[Start/Stop]	Printer for Access for Web	QUSRSYS/IWAAPP

Advanced

- Traditional System i printer
- Advanced actions
- Starting/stopping writer
- Hold/release output queues
- Vary on/off device

Use Policies or Preferences to control the printer view

- Customize → Printers → Printers List View

Printer	Status	Action	Output Queue	Output Queue Status	Output Queue Action	Writer	Writer Status	Writer Action	Description
AFPRT1	Varied off	[Start/Stop]	QUSRSYS/AFPRT1	Released	[Start/Stop]		Ended	[Start/Stop]	Device created for LP126AB.
AHORASI	Varied off	[Start/Stop]	QUSRSYS/AHORASI	Released	[Start/Stop]		Ended	[Start/Stop]	text for ahorasi printer
CMINER1PRT	Varied off	[Start/Stop]	QUSRSYS/CMINER1PRT	Released	[Start/Stop]		Ended	[Start/Stop]	PDF Output for CMINER1
CONVERTPDF	Varied On	[Start/Stop]	QUSRSYS/CONVERTPDF	Released	[Start/Stop]		Ended	[Start/Stop]	PDF Convert - Spool PDF to QEZJOBLOG/QUSRSYS
DAWNIP40	Active	[Start/Stop]	QUSRSYS/DAWNIP40	Released	[Start/Stop]	DAWNIP40	Started	[Start/Stop]	web nav URL test printer
DAWN1140	Active	[Start/Stop]	QUSRSYS/DAWN1140	Released	[Start/Stop]	DAWN1140	Started	[Start/Stop]	web nav URL test printer
DMSPRTA	Varied off	[Start/Stop]	QUSRSYS/DMSPRTA	Released	[Start/Stop]		Ended	[Start/Stop]	Device created for LP126AB.
FROMPDF	Varied off	[Start/Stop]	QUSRSYS/FROMPDF	Released	[Start/Stop]		Ended	[Start/Stop]	description
HP8100	Varied On	[Start/Stop]	QUSRSYS/HP8100	Released	[Start/Stop]		Ended	[Start/Stop]	created by Eric Larese
INTERPRTJ	Active	[Start/Stop]	QUSRSYS/INTERPRTJ	Released	[Start/Stop]	INTERPRTJ	Started	[Start/Stop]	
INTERPRTJ2	Active	[Start/Stop]	QUSRSYS/INTERPRTJ2	Released	[Start/Stop]	INTERPRTJ2	Started	[Start/Stop]	Internet Printer..
INTERPRT01	Varied On	[Start/Stop]	QUSRSYS/INTERPRT01	Released	[Start/Stop]		Ended	[Start/Stop]	

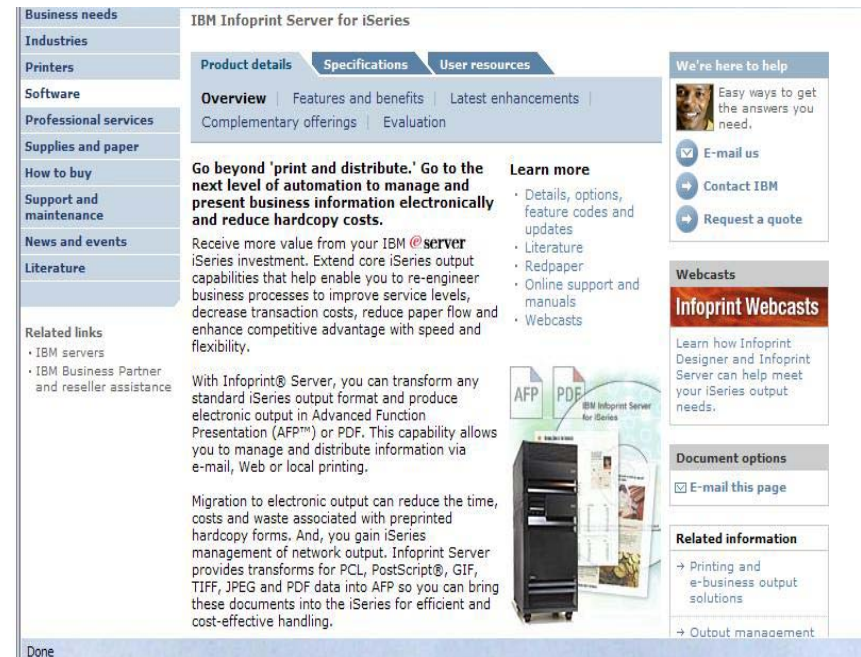
IBM InfoPrint Server

http://www.printers.ibm.com/internet/wwsites.nsf/vwwebpublished/ipserverhome_i_ww

Use System i Access for Web to create a PDF printer

Use InfoPrint Server to convert AFP and SCS printer output to PDF

- Direct 5250 application output to PDF printer
- All printer output sent to PDF printer is converted to PDF



Use System i Access for Web to access generated PDF documents

- Use PDF printer output to access your PDF printer output
- Use PDF printers to access PDF printer output by printer

Create PDF Printer, PDF Printers, PDF Printer Output

iSeries Access for Web

My Home Page

PDF Printers

PDF Printer	Status	Action	Description
#JRHPDF1	Unavailable	[Icons]	PDF Printer to test bidi enablement
CONVERTPDF	Stopped	[Icons]	PDF Convert - Spool PDF to PRT01/QURSYS
DAWNTEST	Ready	[Icons]	PDF Convert - Spool PDF to dawn1140/qursys
HEBTEST	Unavailable	[Icons]	????
INAV766516	Unavailable	[Icons]	iSeries Navigator - PDF
JOANSPLF	Stopped	[Icons]	PDF Convert
JOANSPLF2	Stopped	[Icons]	PDF Convert
LUGPDF	Unavailable	[Icons]	PDF printer
MYNEWPDF	Unavailable	[Icons]	*public
MYPDFNEW	Unavailable	[Icons]	
MYPRINTER	Printer device does not exist	[Icons]	Becky PDF P
PATPDF	Stopped	[Icons]	PDF Conver
PDF001	Unavailable	[Icons]	
PDF01	Unavailable	[Icons]	
PDFGIL1	Unavailable	[Icons]	
PDFNEW	Unavailable	[Icons]	
RODTESTPDF	Ready	[Icons]	PDF Conver
TVITEST	Unavailable	[Icons]	

iSeries Access for Web

My Home Page

Create PDF Printer

Name:

Description:

Settings

Device type to emulate:

Drawer 1 paper size:

Drawer 2 paper size:

Multiple PDF files:

Acknowledge multiple groups:

Process option:

Embed font in PDF output

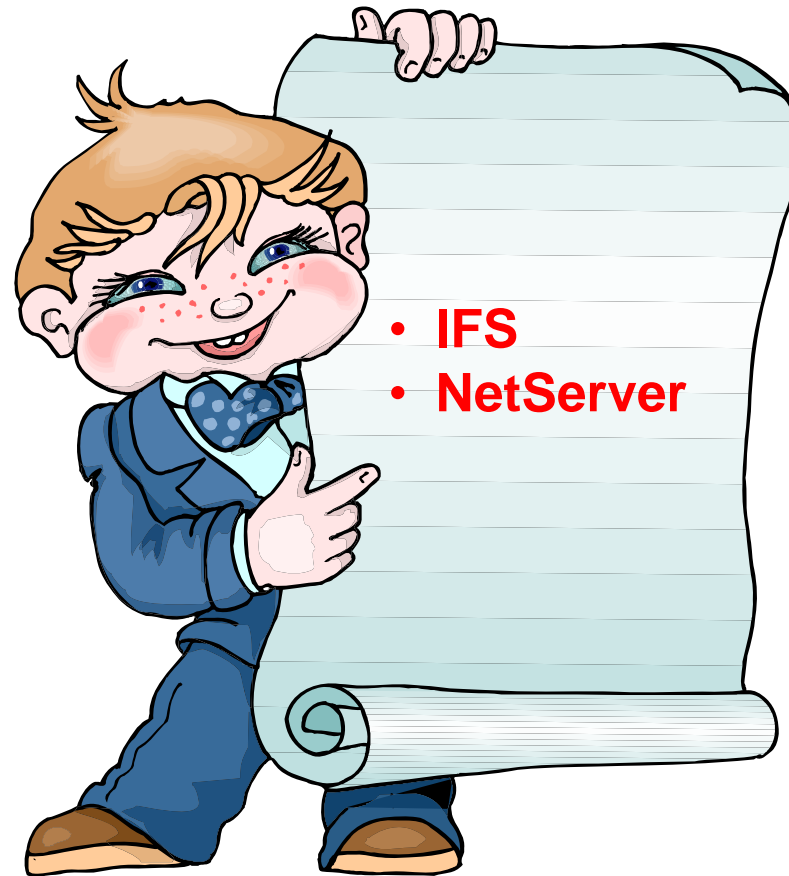
Name Details

Specifies the name of the PDF printer to be created. The name is limited to 1 not match other printer names that exist on the server).

[Top of page](#)

To use any of these features requires InfoPrinter Server

Tips on File Serving



IFS – Use as a File Server

A. Full access to IFS

- Files tab has many link options beneath it
- Connected to 'Root' directory
 - Can see all directories in IFS
 - No access restrictions

B. Limited (controlled) access to IFS

- Files tab has only one option
 - Browse Files
- Connected to CMINER1 directory
 - Cannot get out of this view and work with other directories in IFS
 - No access restrictions for CMINER1 directory
- Can view information on SALESINFO directory
 - Was given a symbolic link to this directory

Directory Contents /

Copy Files to Server
Copy files to the current directory.

Create Directory
Create a subdirectory in the current directory.

Found 57 directories. Found 27 files with a total size of 191,561 bytes.

Name ^	Size (bytes)	Type	Modified	Action
\$BEACH		Directory	4/27/05 6:09:32 PM	[Icons]
\$BLDJAVA		Directory	3/9/05 10:50:31 AM	[Icons]
\$BLDSHIP		Directory	4/22/05 2:02:46 PM	[Icons]
\$BLDTEST		Directory	3/4/05 3:47:43 PM	[Icons]
alician		Directory	11/29/05 12:31:33 PM	[Icons]
ASFTomcat		Directory	1/28/05 5:55:08 AM	[Icons]
bin		Directory	10/21/03 7:24:28 PM	[Icons]
boats		Directory	10/23/03 11:45:53 AM	[Icons]
BVTFolder		Directory	11/3/05 3:07:25 PM	[Icons]
CUSTINFO		Directory	1/11/06 4:59:57 PM	[Icons]

Directory Contents /home/cminer1

Copy Files to Server
Copy files to the current directory.

Create Directory
Create a subdirectory in the current directory.

Found 1 directories. Found 2 files with a total size of 16,865 bytes.

Name ^	Size (bytes)	Type	Modified	Action
salesinfo		Directory	1/11/06 5:06:02 PM	[Icons]
QCUST_CustomerNumber.xls	2017	File	1/11/06 5:42:49 PM	[Icons]
QIWS_QCUST.xls	14848	File	1/11/06 5:42:35 PM	[Icons]

Copy Files to Server

Specify the file to copy to directory /home/cminer1 on LP016AB.RCHLAND.IBM.COM. Data is copied in binary format.

File: Browse...

Replace file

Can perform many tasks without going to 5250 or iNAV

Create Directories

- Can create directories under the Root, can open a directory and create directories under another directory

Can 'Work With' directories

- 'Edit Authorities' (as shown)
 - Note that when a directory is created *PUBLIC have full access to it
- 'Change Owner' of the directory
 - Default is the one who created it
- 'Change Primary Owner'
- 'Change Authorization List'
- Zip / Unzip

The image displays three screenshots of the iSeries Access for Web interface, demonstrating various directory management tasks.

Top Screenshot: Directory Contents
 Shows the 'Directory Contents' page for a directory. The left sidebar includes navigation options like 'My Home Page', 'My Folder', 'Print', 'Messages', 'Jobs', '5250', 'Database', 'Files', 'Command', 'Download', 'Customize', and 'Other'. The main content area shows a list of files and directories with columns for Name, Size, and Date. Files listed include \$BEACH, \$BLDJAVA, \$BLDSHIP, \$BLDTEST, alciam, ASETomcat, bin, boats, BVTFolder, and CUSTINFO.

Middle Screenshot: Work With Directory
 Shows the 'Work With Directory' page for a directory. The left sidebar is similar to the first screenshot. The main content area displays metadata for the directory: Directory: /home/BROWN, Modified: 1/11/06 6:53:03 PM, Owner: CMINER, Primary group: *NONE, and Authorization list: *NONE. Below this, there is an 'Action' section with links for 'Edit authority', 'Change owner of this object', 'Change primary group for this object', 'Change authorization list for this object', and 'Zip'.

Bottom Screenshot: Edit Authority
 Shows the 'Edit Authority' page for a directory. The left sidebar is similar. The main content area displays the current directory's metadata: Directory: /home/BROWN, Owner: BROWN, Primary group: *NONE, and Authorization list: *NONE. Below this, there is an 'Add Profile' section with a table of profiles and their permissions.

Profile	Read	Write	Execute	Existence	Management	Alter	Reference	Action
*PUBLIC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
BROWN	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Remove
CMINER	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Remove

Buttons for 'Save', 'Cancel', and 'Apply' are visible below the table.

Set Default Directories for Your Users

Customize → Policies → User ID

- Put path to directory in 'Default Directory'
- Good idea to put directories in the /home path of IFS as that is the default used by many programs

You want users to work with one shared directory as well as their personal directory

- Again, create user directories in /home path
- Shared directory can be in root or any other path
- Set up a **symbolic link** to the shared directory from each user's directory
 - /home/user directory/shared directory

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	Shipped default	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	/home/ADAMS

Command, "addlnk OBJ('home/ADAMS') NEWLNK('home/ADAMS/SALESINFO')", completed successfully.

Specify the iSeries CL command you want to run.

Command: Prompt

Output: Browser

Run Command Submit Batch Job Save

Search for a command
Search for a command by command name or by its text description.

Previous commands:

Command	Output	Action
addlnk OBJ('home/ADAMS') NEWLNK('home/ADAMS/SALESINFO')	Browser	

Command Details

Tip: Display Directory Content in New Window

Directory Contents / home

[Copy Files to Server](#)
Copy files to the current directory.

[Create Directory](#)
Create a subdirectory in the current directory.

Found 24 directories. Found 0 files with a total size of 0 bytes.

Name	Size (bytes)	Type	Modified	Action
../ (Parent Directory)				
ADAMS		Directory	1/13/06 12:34:13 PM	[Icons]
beach		Directory	9/14/05 9:47:27 AM	[Icons]
BLEEK		Directory	6/29/04 10:20:05 AM	[Icons]
BROWN		Directory	1/12/06 1:19:53 PM	[Icons]
chino		Directory	2/24/05 10:36:31 AM	[Icons]
clarkd		Directory	9/14/05 12:02:36 PM	[Icons]
cminer		Directory	1/11/06 5:08:59 PM	[Icons]
cminer1		Directory	1/11/06 5:42:49 PM	[Icons]
danhicks		Directory	11/17/05 10:28:27 AM	[Icons]
danny		Directory	7/26/04 4:26:14 PM	[Icons]
Erika		Directory	4/4/05 11:32:11 AM	[Icons]
jhansen		Directory	10/4/05 10:57:05 AM	[Icons]
joansg		Directory	8/18/05 10:47:50 AM	[Icons]

Result

Edit Policies - Files

Profile: CMINER

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	Yes
Enable sort links for directory contents	Shipped default	Use current setting	Yes
Display directory contents statistics	Shipped default	Use current setting	Yes
Browse files	Shipped default	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	/
Display subdirectory contents	Shipped default	Use current setting	Allow

System i NetServer

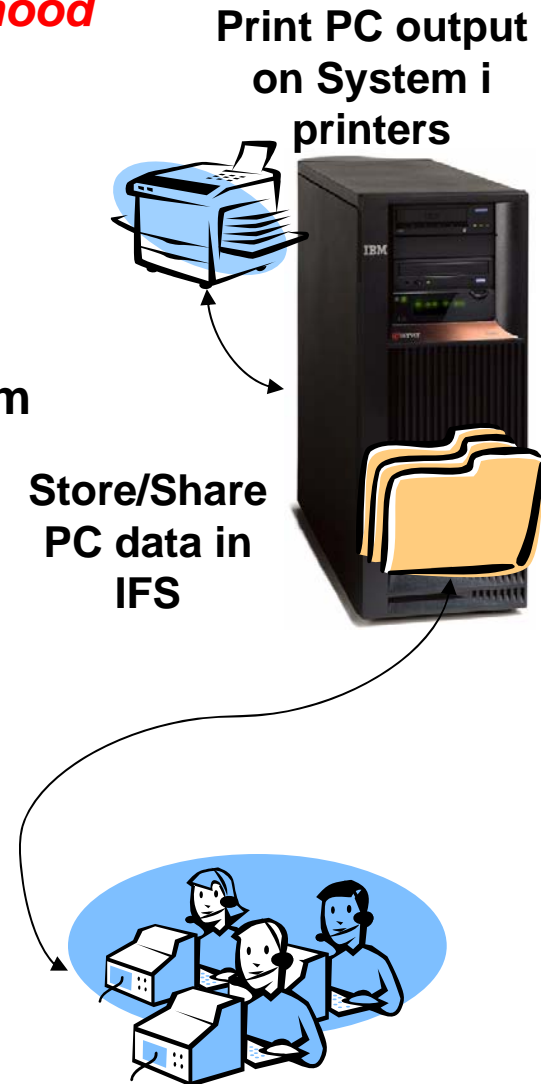
System i Support for Windows Network Neighborhood

What is it?

- File and print serving for CIFS clients
- Compatible with Microsoft Networking and SAMBA
- Part of the base IBM i5/OS™ Operating System

Why Use it?

- Network Neighborhood (My Network Places)
- Search for computers
- Connect to a share
- Work with output queues
- Use Network DOS commands
- Encrypted password



Files Shares

'NetServer view of IFS

- Directories set to Read or Read/Write
- Determined through 'shares' (similar to PC servers)
- iSeries Navigator used to set up 'shares'

File Shares

- Shows all directories that have been set up with 'File Sharing'
- If user clicks on a directory that no 'share' was set for user, the user will get a 'not authorized' message from i5/OS

iSeries Access for Web User: cminer System: RCHLAND.IBM.COM

iSeries NetServer File Shares

Share Name	Description	User Count	Permission
BVTSHARE	BVT	0	Read Only
CAROLEMINER	Carole Miner Work Directory	0	Read / Write
QDIRSRV	OS/400 -- Directory Services	0	Read / Write
QIBM		2	Read / Write
ROOT		0	Read / Write
WALABRO	iSeries Access for Web lab, read only	0	Read Only
WALABRW	iSeries Access for Web lab, read only	0	Read / Write
YESENIA		0	Read / Write
YESI		0	Read / Write

Related Links:

User sees only 'share names' of directories, not actual path or directory names

Browse Files Share (new in V5R4)

Browse File Share link

- Displays directory that is identified in the user's Policy settings
- Shipped Default for *PUBLIC is the QIBM folder
 - QIBM is one directory that automatically ships with a 'share' assigned

The screenshot shows the 'iSeries Access for Web' interface. The user is 'cminer' and the system is 'RCHLAND.IBM.COM'. The main content area displays the 'Directory Contents' of the 'QIBM' folder. It includes links for 'Copy Files to Server' and 'Create Directory'. A table lists the contents of the directory:

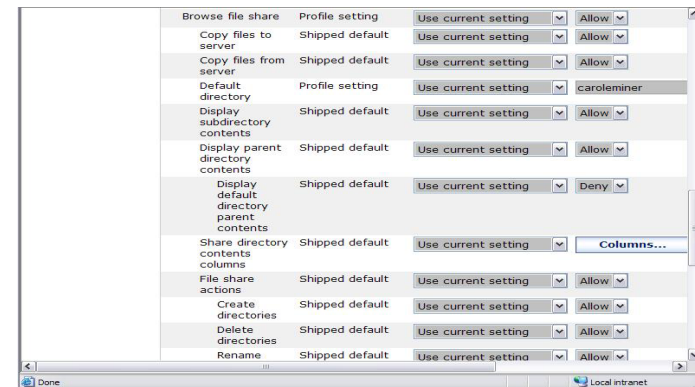
Name	Size (bytes)	Type	Modified	Action
include		Directory	1/11/06 8:16:30 PM	[Icons]
locales		Directory	1/11/06 8:13:53 PM	[Icons]
ProdData		Directory	1/12/06 12:17:58 PM	[Icons]
tempo		Directory	4/19/05 12:26:59 AM	[Icons]
UserData		Directory	11/2/05 6:28:06 PM	[Icons]
XML		Directory	8/17/04 11:45:11 PM	[Icons]

Below the table, there is a 'Copy Files to Server' section with a description: 'Specify the file to copy to directory QIBM on LP016AB.RCHLAND.IBM.COM. Data is copied in binary format.'

Browse File Share with Policy setting

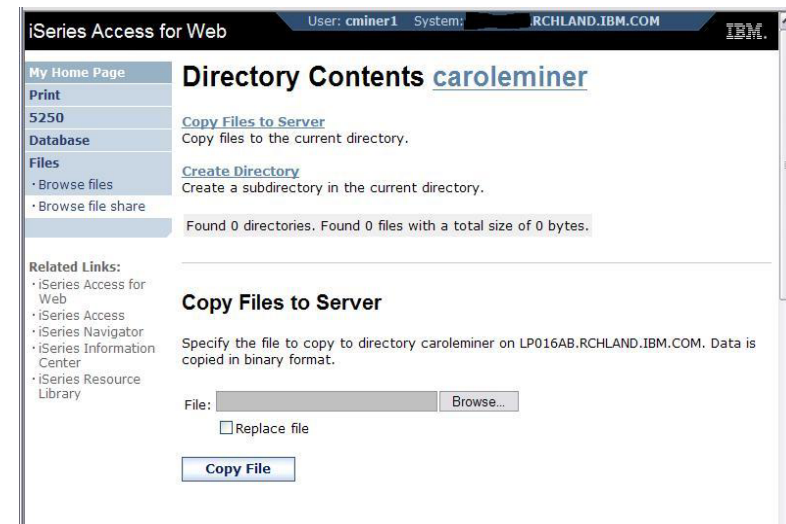
Customize → Policies → Files

- Scroll down to 'Browse File Shares'
- Change directory from QIBM to another directory previously set up as a 'shared' directory
 - Note: Put in sharename not directory name or path



Advantage over 'Browse Files'

- Already set up to Read Only or Read/Write
- Don't have to go into Policies and make any other settings

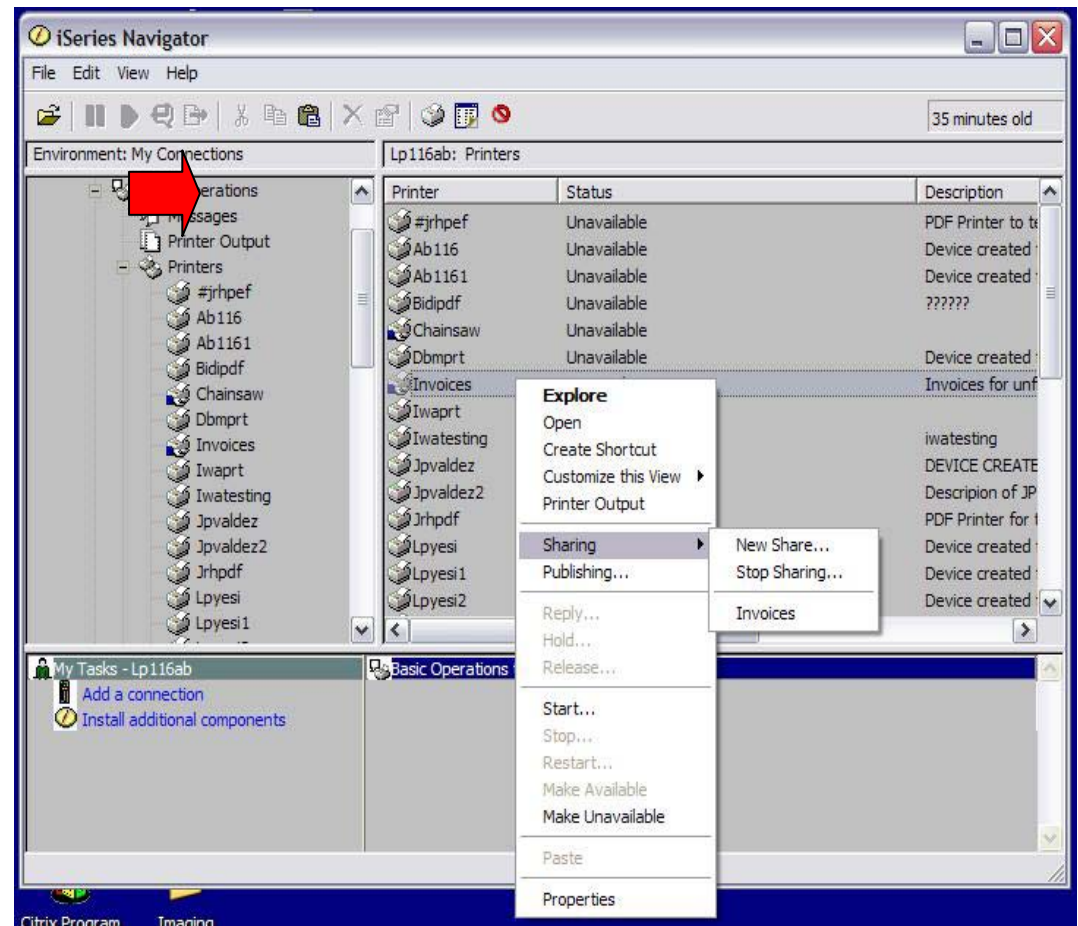


Setting up NetServer Print Shares

Use **iSeries Navigator** to set up Print Shares for your users

Click on

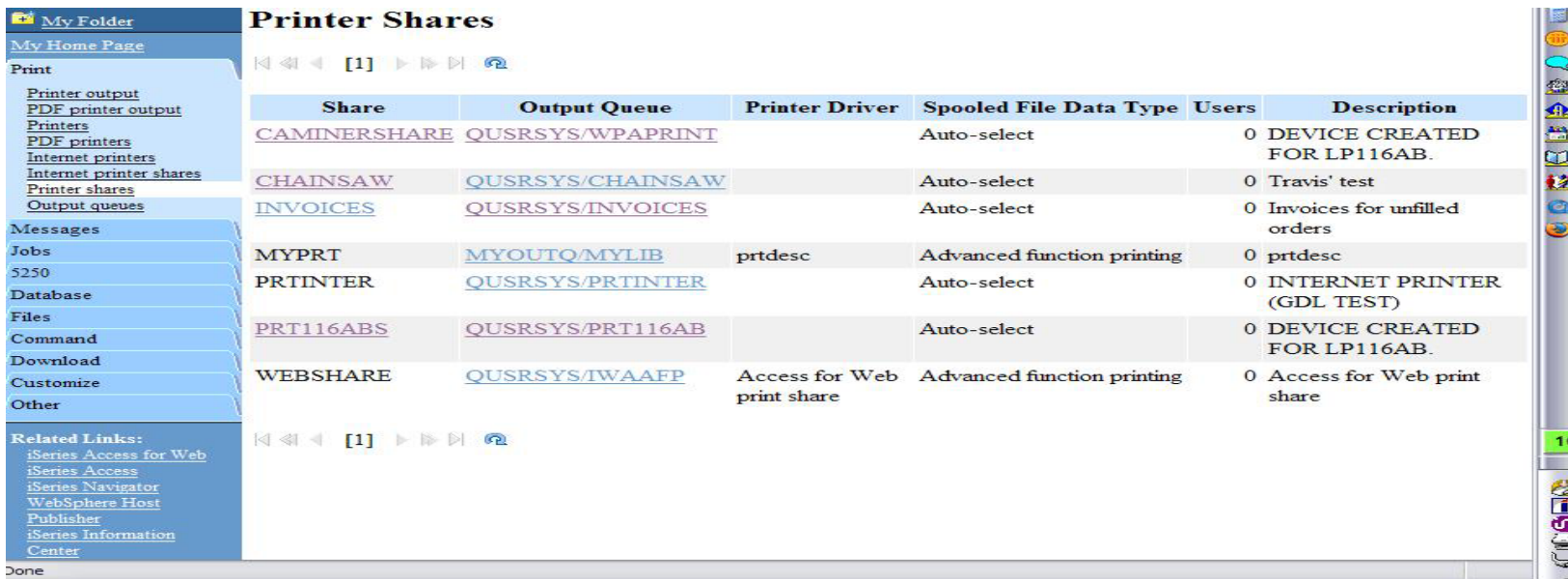
- Basic Operations
- Printers
- Right-click on Printer to set up...



Printer Shares

<http://<myiseries>/webaccess/iWAPrinterShares>

- **All** printers defined as shared printers will show up in here.
- If user also has adequate **'object level authority'** they could work with printers and printer output from here



Printer Shares

Share	Output Queue	Printer Driver	Spooled File Data Type	Users	Description
CAMINERSHARE	QUSRSYS/WPAPRINT		Auto-select	0	DEVICE CREATED FOR LP116AB.
CHAINSAW	QUSRSYS/CHAINSAW		Auto-select	0	Travis' test
INVOICES	QUSRSYS/INVOICES		Auto-select	0	Invoices for unfilled orders
MYPRT	MYOUTQ/MYLIB	prtdesc	Advanced function printing	0	prtdesc
PRTINTER	QUSRSYS/PRTINTER		Auto-select	0	INTERNET PRINTER (GDL TEST)
PRT116ABS	QUSRSYS/PRT116AB		Auto-select	0	DEVICE CREATED FOR LP116AB.
WEBSHARE	QUSRSYS/IWAAFP	Access for Web print share	Advanced function printing	0	Access for Web print share

Internet Printers - Shares

http://<myseries>/webaccess/iWAIPPShares

iSeries Access for Web

cminer

Internet Printer Shares

◀◀◀ [1] ▶▶▶ ↻

Share	Output Queue	URL	Printer Data Type	Printer File	Authentication Method
PRT116AB-IPP	QUSRSYS/PRT116AB	http://LP116AB:631/ipp/printers/PRT116AB-IPP	Auto-select	QPNPSPRTF	None
CHAINSAW	QUSRSYS/CHAINSAW	http://LP116AB:631/ipp/printers/CHAINSAW	Auto-select	QPNPSPRTF	None

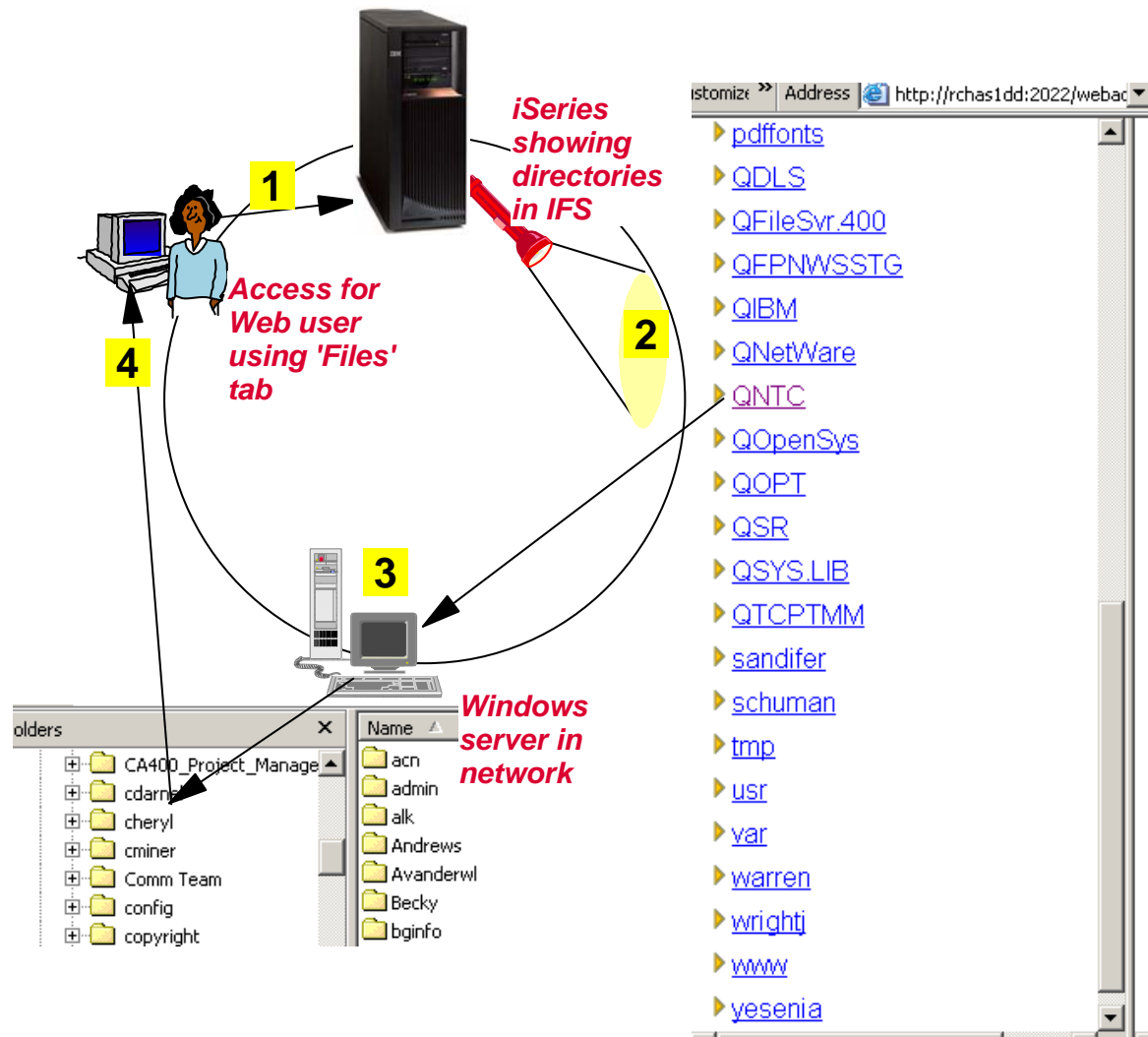
◀◀◀ [1] ▶▶▶ ↻

Tip: Access Files on Other Systems

File systems mounted in the IFS can be accessed

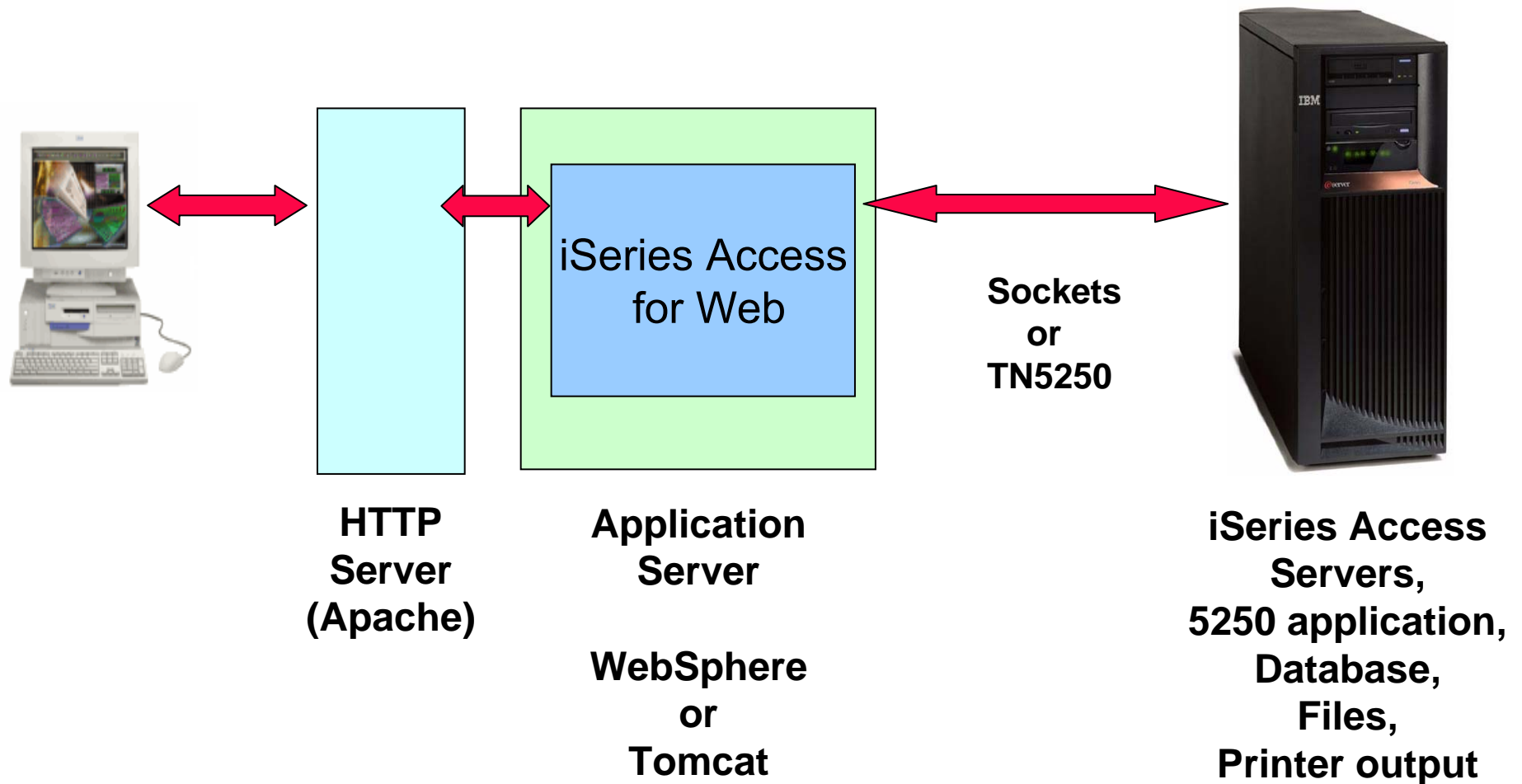
- NFS
- QNTC

Use files to access files on other file systems

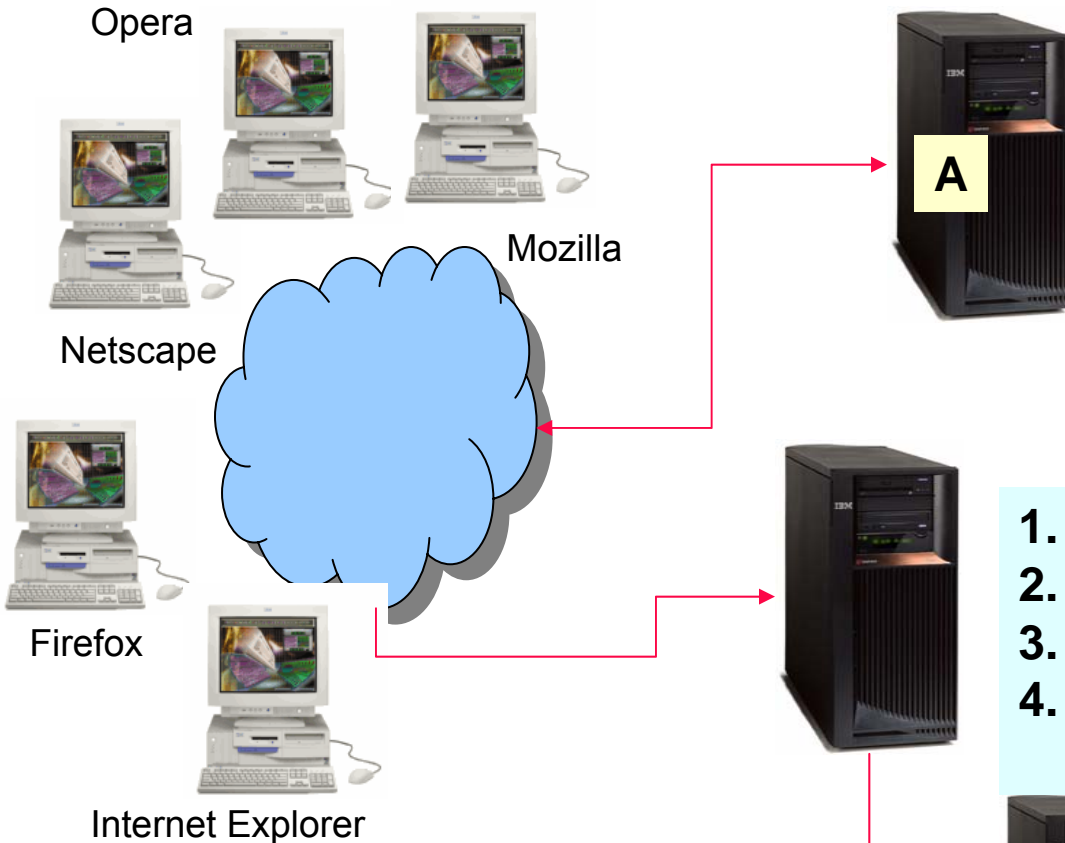




iSeries Access for Web Internal View



Connection Setups



1. A single System i
2. Web server
3. Application server
4. iSeries Access for Web
5. 5250 applications
6. Database
7. Files
8. Printer output
9. ...

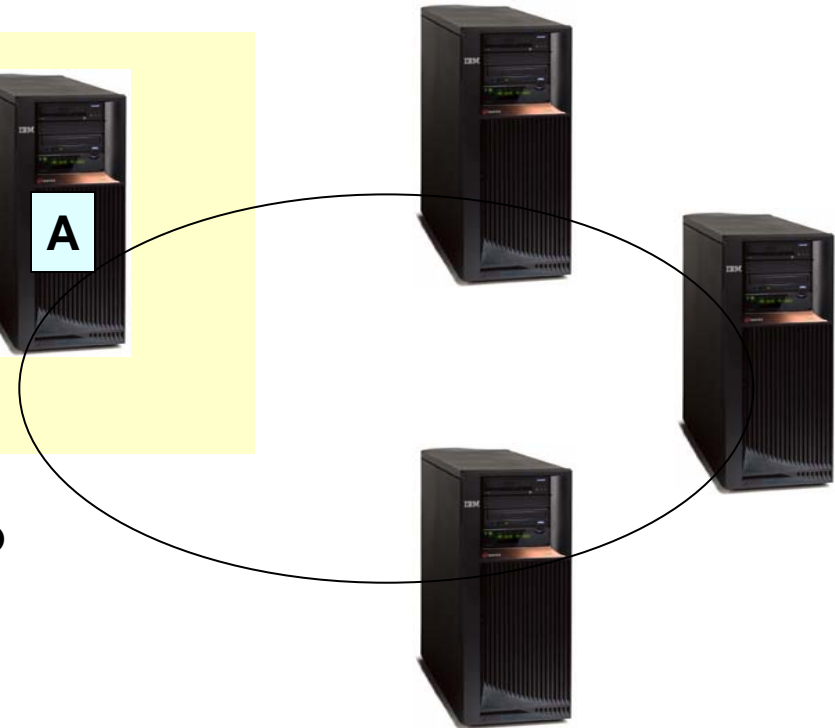
1. A System i
2. Web server
3. Application server
4. iSeries Access for Web

- 5250 applications
 Database
 Files
 Printer output...

In either case...
 (1) web instance, (1) url address,
 and (1) port number

Access Considerations

1. A single System i
2. Web server
3. Application server
4. iSeries Access for Web
5. 5250 applications
6. Database
7. Files
8. Printer output
9. ...



- Browser users provide url address to System A and can automatically access resources on System A
- Users can also start 5250 emulation and Database functions to any other System i in the network
 - Users cannot work with printer output, IFS, commands, etc on other systems with this setup

Can use 5250 and Database to any system in the network

Can connect to any System i in my network and run 5250 emulation and Database (upload, download, work with tables, etc)

5250 Emulation

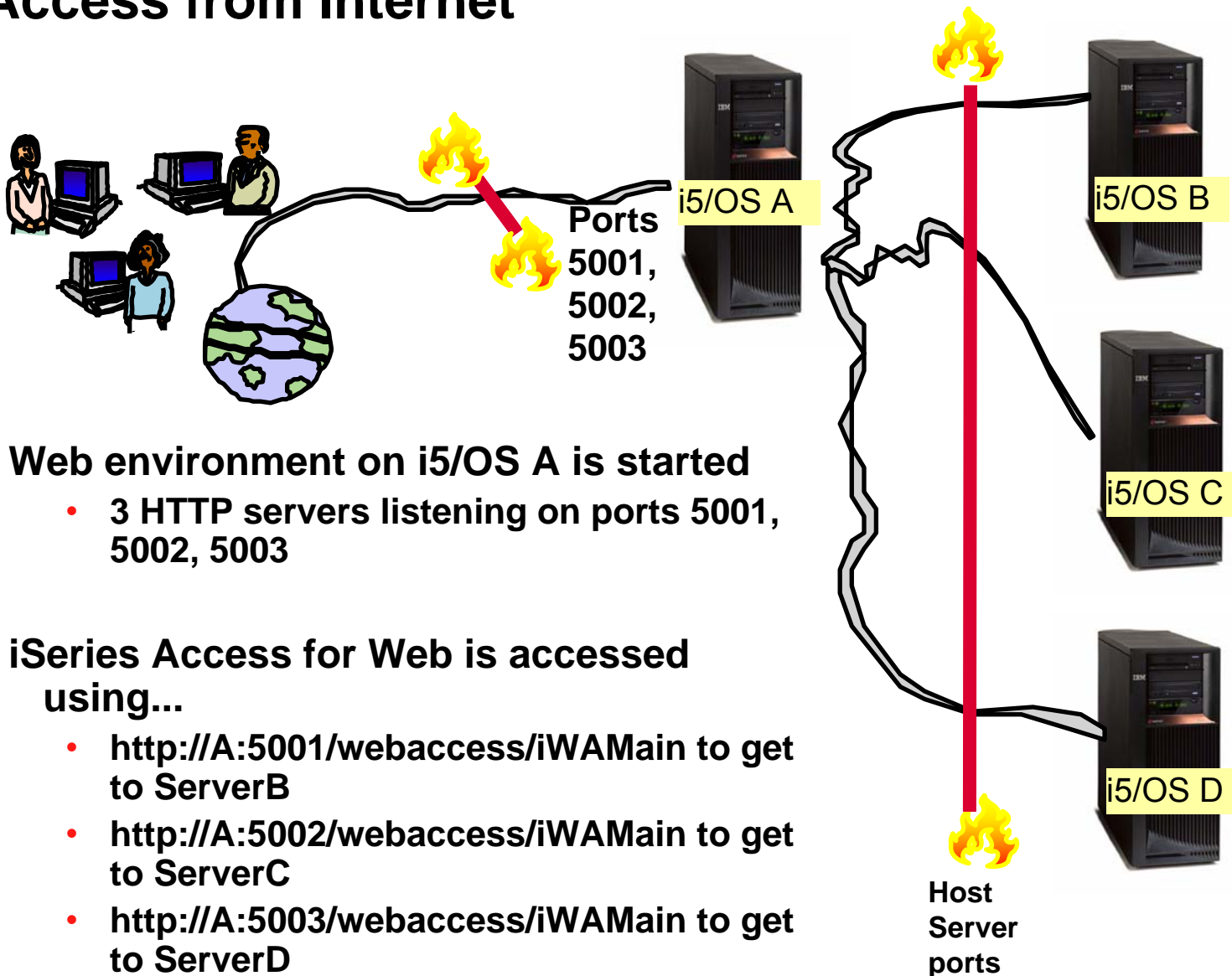
- Provides a panel to start a 5250 session and save this session configuration

Database

- You can add additional connections via Policy → Database Connections
- These additional connections are then available to users on the Database screens.

Action	Connection	Derived From
Connection: IBM Toolbox for Java - Driver class: com.ibm.as400.access.AS400JDBCdriver JDBC URL: jdbc:as400://ISERIES.RCHLAND.IBM.COM;prompt=false;	RCHLAND.IBM.COM	Shipped default

Access from Internet



Web environment on i5/OS A is started

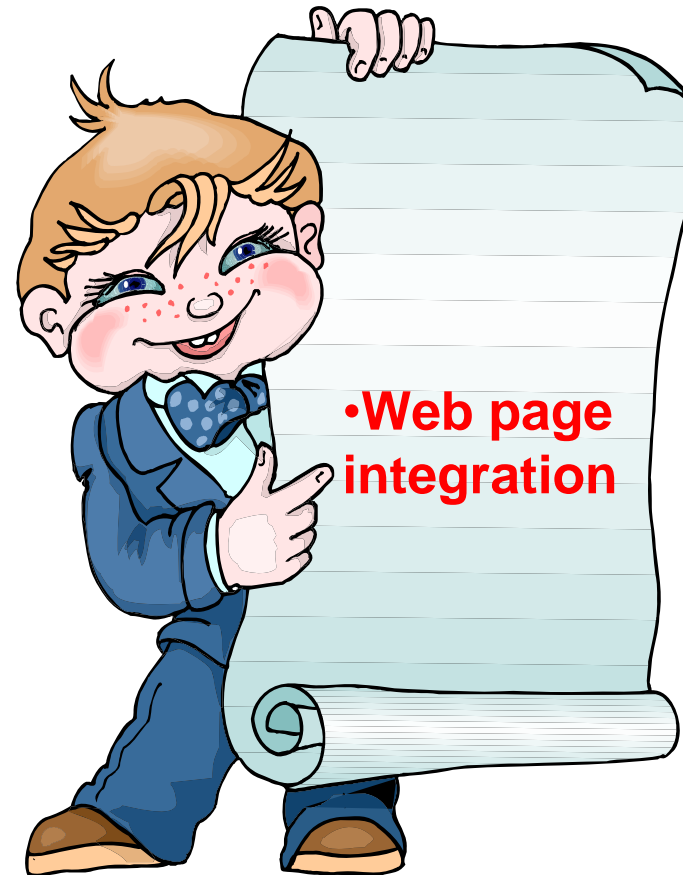
- 3 HTTP servers listening on ports 5001, 5002, 5003

iSeries Access for Web is accessed using...

- <http://A:5001/webaccess/iWAMain> to get to ServerB
- <http://A:5002/webaccess/iWAMain> to get to ServerC
- <http://A:5003/webaccess/iWAMain> to get to ServerD

Please note:
This is only one example of how to configure this environment.

Tips on Web Integration



Your **Window** to your System i

Customized user 'window' to System i

Window is associated with OS/400 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 System i
- Tie in with other web applications (such as WebFacing, HATS, etc from here as well
- Link to other systems, not just i systems



- *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
- Could set to bypass sign-on screen
or
- Use macro support to bypass OS/400 sign-on screen and to start this BOATS application



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

Article Information
Article ID: 20688
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Printer Friendly
Related Topics:
• Application Development
• iSeries Access/Client Access
• Web Development
Other Articles By:
Weber, Janet
Article Feedback:
• Submit feedback about this article

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

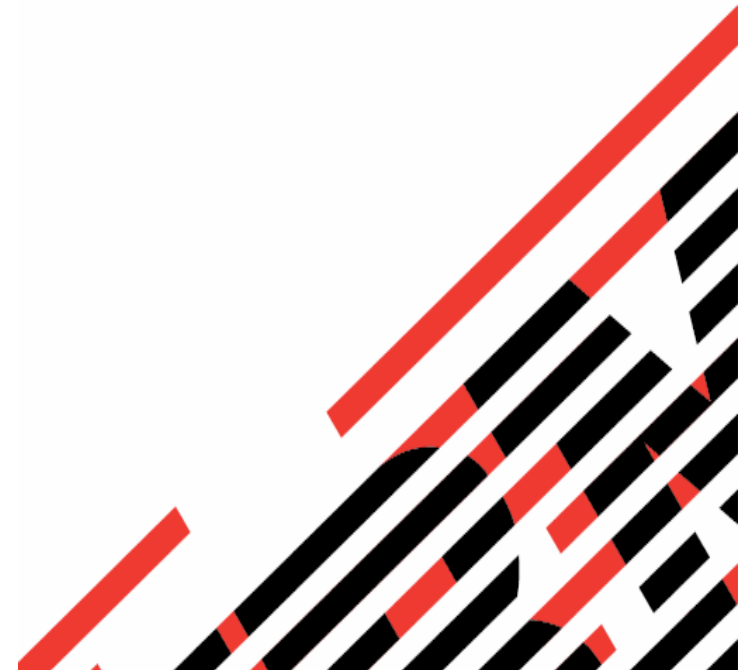
iSeries Access Documentation

Download it from iSeries Access
Web page at

[www.ibm.com/eserver/series/
access/web](http://www.ibm.com/eserver/series/access/web)

Documents how iSeries Access for
Web can be accessed through a
number of URL interfaces.

- These URLs can be included as links on web pages to provide direct access to iSeries Access for Web functions.
- These URLs can also be bookmarked for easy access to frequently used tasks.



Tips on 5250



- This is the only function in the iSeries Access for Web product that requires the 'interactive feature'.
- All other functions in iSeries Access for Web run as 'batch' tasks on System i

How to Start a 5250 Session and save it

Two options:

1. Select to 'Start Session'

- Fill in information on Start Session and connect
- Select 'Active Session Settings' link at bottom of screen
- Modify as you wish, then click on 'Save'

1

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. Select 'Configured Sessions'

- Select 'Configure New Session' link on lower screen
- Set up as you wish, then click on 'Save'

2

iSeries Access for Web

Configured Sessions

Session	Server	Action	Shortcut	Created By	Access
Inventory	.RCHLAND.IBM.COM	[icons]	No	cminer	cminer
Payroll	.RCHLAND.IBM.COM	[icons]	No	cminer	cminer
Shortcut to demo	.RCHLAND.IBM.COM	[icons]	Yes	smshao	*PUBLIC

[Configure new session](#)
Configure a new session.

Create 'Shortcuts' to Configured Sessions

Your Configured Session

- Create 'Shortcuts' for other users

Can set Policies

- To restrict what users can do with your shortcut.
- Do not allow users to:
 - Copy your shortcut
 - Delete your shortcut
 - Rename your shortcut
 - Edit your shortcut
 - Create another Shortcut

3

The screenshot shows the 'Configured Sessions' table with the following data:

Session	Server	Action	Shortcut	Created By	Access
Inventory	.RCHLAND.IBM.COM	[Icons]	No	cminer	cminer
Payroll	.RCHLAND.IBM.COM	[Icons]	No	cminer	cminer
Shortcut to demo	.RCHLAND.IBM.COM	[Icons]	Yes	smshao	*PUBLIC

The screenshot shows the 'Create Shortcut' form with the following fields:

- Create shortcut to "Inventory "
- Shortcut name:
- Access:
-

Access Details

- The access value identifies who is able to access the shortcut.
- The access value can be an existing user profile name on the iSeries server, an existing group profile name, or *PUBLIC.
- To specify multiple profiles, separate entries with commas.

Configuring a New Session (continued)

Web view is default

- Can switch to Traditional view

Many keyboard and screen settings to improve end user productivity and satisfaction

Can also set up different text colors

Create a consistent 'look' for all your users...

View	Web	Traditional
	<input checked="" type="checkbox"/> Show navigation bar	<input checked="" type="checkbox"/> Show navigation bar
	<input checked="" type="checkbox"/> Show action links	<input checked="" type="checkbox"/> Show action links
	<input type="checkbox"/> Show hotspot links	<input type="checkbox"/> Show hotspot links
	<input checked="" type="checkbox"/> Show JavaScript indicator	<input checked="" type="checkbox"/> Show JavaScript indicator
	<input type="checkbox"/> Display text using fixed width font	<input checked="" type="checkbox"/> Display text using fixed width font
	<input checked="" type="checkbox"/> Enable "More..." as button	<input type="checkbox"/> Enable "More..." as button
	<input checked="" type="checkbox"/> Enable menu items as links	<input type="checkbox"/> Enable menu items as links
	<input type="checkbox"/> Show function key bar	<input checked="" type="checkbox"/> Show function key bar
	<input checked="" type="checkbox"/> Show macros section	<input checked="" type="checkbox"/> Show macros section
	<input checked="" type="checkbox"/> Show operator information area (OIA)	<input checked="" type="checkbox"/> Show operator information area (OIA)
	<input type="checkbox"/> Show active sessions	<input type="checkbox"/> Show active sessions
	<input checked="" type="checkbox"/> Enable cursor positioning	<input type="checkbox"/> Enable cursor positioning
	<input type="checkbox"/> Position cursor at exact location	<input type="checkbox"/> Position cursor at exact location
	<input checked="" type="checkbox"/> Enable message text line as help link	<input type="checkbox"/> Enable message text line as help link
	<input checked="" type="checkbox"/> Enable active function keys as buttons	<input type="checkbox"/> Enable active function keys as buttons
	<input type="checkbox"/> Show function key text (Fxx=) on button	

Foreground colors	5250	Browser
Black:	Black	Black
Blue:	Blue	Blue
Green:	Green	Green
Cyan:	Teal	Teal
Red:	Red	Red
Magenta:	Fuchsia	Fuchsia
Brown:	Yellow	Yellow
White:	Gray	White

Operator information area (OIA)
Color: Black

Foreground colors	5250	Browser
Black:	Black	Black
Blue:	Blue	Blue
Green:	Green	Green
Cyan:	Teal	Teal
Red:	Red	Red
Magenta:	Fuchsia	Fuchsia
Brown:	Yellow	Yellow
White:	White	White

Operator information area (OIA)
Color: Blue

Background colors
The browser background color is used.

Background colors
Color: Black

Save Cancel Save As Defaults Load Defaults

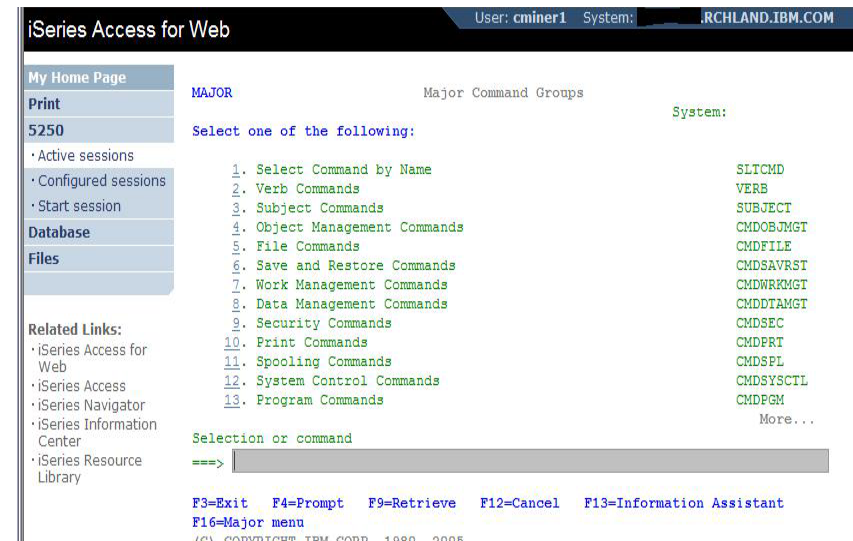
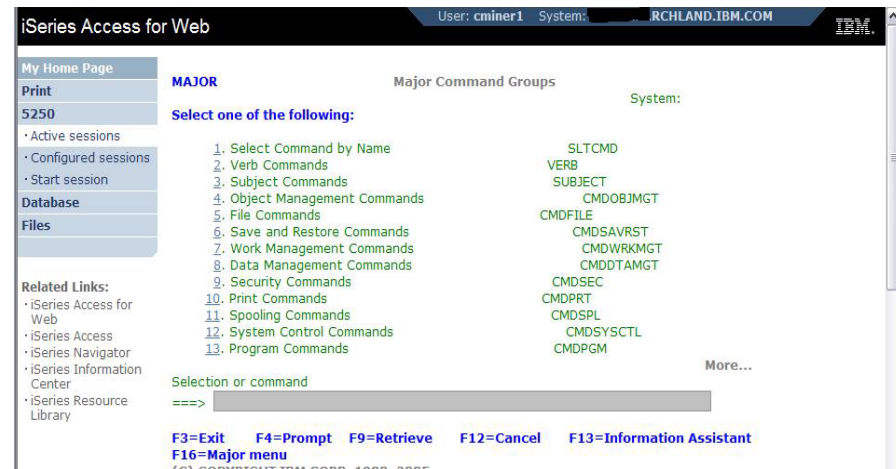
Example: 5250 - Proportional Width Vs Fixed Width

Default for Web setting is to display output using Proportional width fonts

To change to Fixed width fonts, check the box that says:

- Display text using fixed width fonts

Users can also do this on-the-fly by clicking on the "Active session settings" link and change the setting for this connection, or by switching to Traditional view.



Position Cursor at Exact Location

Some 5250 applications are cursor sensitive

- **Help**
- **Prompting**

Can be set so clicking the cursor on a field will display information

- **Default behavior – place the cursor at the start of field**
- **V5R3 enhanced to allow the cursor to be placed at any location.**

Helps those applications that differentiate cursor locations within a field

View	Web	Traditional
	<input checked="" type="checkbox"/> Show navigation bar	<input checked="" type="checkbox"/> Show navigation bar
	<input checked="" type="checkbox"/> Show action links	<input checked="" type="checkbox"/> Show action links
	<input type="checkbox"/> Show hotspot links	<input type="checkbox"/> Show hotspot links
	<input checked="" type="checkbox"/> Show JavaScript indicator	<input checked="" type="checkbox"/> Show JavaScript indicator
	<input type="checkbox"/> Display text using fixed width font	<input checked="" type="checkbox"/> Display text using fixed width font
	<input checked="" type="checkbox"/> Enable "More..." as button	<input type="checkbox"/> Enable "More..." as button
	<input checked="" type="checkbox"/> Enable menu items as links	<input type="checkbox"/> Enable menu items as links
	<input type="checkbox"/> Show function key bar	<input checked="" type="checkbox"/> Show function key bar
	<input checked="" type="checkbox"/> Show macros section	<input checked="" type="checkbox"/> Show macros section
	<input checked="" type="checkbox"/> Show operator information area (OIA)	<input checked="" type="checkbox"/> Show operator information area (OIA)
	<input type="checkbox"/> Show active sessions	<input type="checkbox"/> Show active sessions
	<input checked="" type="checkbox"/> Enable cursor positioning	<input type="checkbox"/> Enable cursor positioning
	<input type="checkbox"/> Position cursor at exact location	<input type="checkbox"/> Position cursor at exact location
	<input checked="" type="checkbox"/> Enable message text line as help link	<input type="checkbox"/> Enable message text line as help link
	<input checked="" type="checkbox"/> Enable active function keys as buttons	<input type="checkbox"/> Enable active function keys as buttons
	<input type="checkbox"/> Show function key text (Fxx=) on button	

Note: turning on position cursor at exact location results in larger HTML file. Turn this capability on and off as needed.

Enable Active Function Keys As Buttons

Defaults:

- Display Active Function Keys as Buttons
- Show More... as a button

Can uncheck these boxes to deliver a more traditional view

The screenshot shows the 'iSeries Access for Web' interface. At the top, it displays 'User: cminer1 System: RCHLAND.IBM.COM'. The main menu is titled 'i5/OS Main Menu' and lists various options: 1. User tasks, 2. Office tasks, 4. Files, libraries, and folders, 6. Communications, 8. Problem handling, 9. Display a menu, 10. Information Assistant options, 11. iSeries Access tasks, and 90. Sign off. Below the menu is a 'Selection or command' field and several buttons: Exit, Prompt, Retrieve, Cancel, Information As, and Set initial menu. A message at the bottom states 'Command MAJOR in library *LIBL not found.' Below this is a table of active jobs with columns for Opt, Subsystem/Job, User, Type, CPU %, Function, and Status. The table lists several jobs, including QBATCH, QCMN, QCTL, QSYSSCD, QHTTSPVR, and several ADMIN jobs. At the bottom, there are buttons for Attention, Refresh Screen, Field Exit, and Page Up. A 'More...' link is visible at the bottom right of the job list.

Opt	Subsystem/Job	User	Type	CPU %	Function	Status
	QBATCH	QSYS	SBS	.0		DEQW
	QCMN	QSYS	SBS	.0		DEQW
	QCTL	QSYS	SBS	.0		DEQW
	QSYSSCD	QPGMR	BCH	.0	PGM-QEZSCNEP	EVTW
	QHTTSPVR	QSYS	SBS	.0		DEQW
	ADMIN	QTMHHTTP	BCH	.0	PGM-QZHBMAIN	SIGW
	ADMIN	QTMHHTTP	BCI	.0	PGM-QZSRLOG	SIGW
	ADMIN	QTMHHTTP	BCI	.0	PGM-QZSRHTTP	SIGW
	ADMIN	JAHARRIS	BCI	.0	PGM-QYUNLANG	TIMW

My Keypads

Configuring a Keypad is a very effective way to simplify many end user tasks

- For example, a button to do a 'Host Print' of a screen

The screenshot shows the 'iSeries Access for Web' interface. At the top, it displays 'User: cminer System: RCHLAND.IBM.COM'. Below this is a navigation menu on the left with options like 'My Home Page', 'My Folder', 'Print', 'Messages', 'Jobs', '5250', 'Database', 'Files', 'Command', 'Download', 'Customize', and 'Other'. The main content area shows a 'MAIN' menu with a list of tasks: 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 20. Sign off. A yellow box with the number '3' highlights the 'Host Print' button in the top navigation bar.

The screenshot shows the 'My Keypads' configuration page. It has a left sidebar with navigation options. The main content area is titled 'My Keypads' and contains three sections: 'Top Keypad', 'Side Keypad', and 'Bottom Keypad'. Each section has dropdown menus for 'Rows' and 'Columns', a 'Show keypad' checkbox, and a 'Configure' button. A yellow box with the number '1' is placed to the right of the 'Top Keypad' section. Below the configuration options is a preview window showing a terminal screen with a keypad overlay. At the bottom, there are 'Save' and 'Cancel' buttons.

The screenshot shows the 'Configure Top Keypad' dialog box. It has a left sidebar with navigation options. The main content area is titled 'Configure Top Keypad' and contains a grid of buttons: 'Host Print', 'Field Exit', 'Field Minus', 'Field Plus', 'Erase EOF', 'Erase Field', 'Erase Input', and 'Refresh Screen'. Each button has a dropdown arrow. Below the grid are 'OK' and 'Cancel' buttons. A yellow box with the number '2' is placed to the right of the dialog title.

Creating a Macro to use with 5250

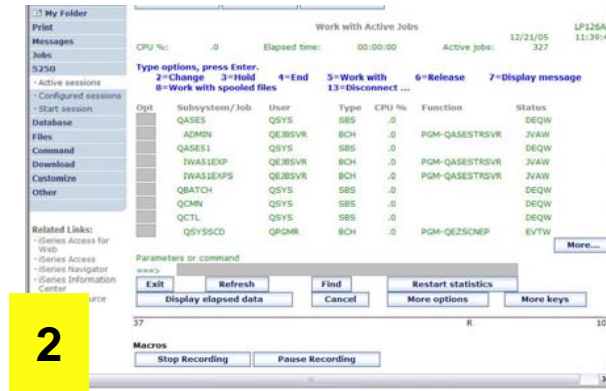
1. Record the Macro

- Start Session and get to OS/400 sign-on screen
- Go to bottom of screen and start macro record
- Continue recording macro until you have reached spot you want users to come into (ie, OS/400 Main Menu, your own menu, a particular application...)
- Go down to bottom of screen and stop macro recording
- When you get to the save macro screen, select a **macro name**

2. Edit the Macro to bypass sign-on screen

- Go to 'Start Session' and go to bottom of page and select 'My Macros' to work with macro you just created
- Remove your password that was recorded and put in **[password]**, then remove your workstation id and put in **[user]** in the macro.
 - This is documented in 5250 User Interface Help at bottom of 'Configure New Session' page

Record and Save Your Macro



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

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



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



Traditional view
Switch this session to traditional view.

Active session settings
Change the settings for this session.

Active sessions
Work with your active sessions.

Configured sessions
Work with your configured sessions.

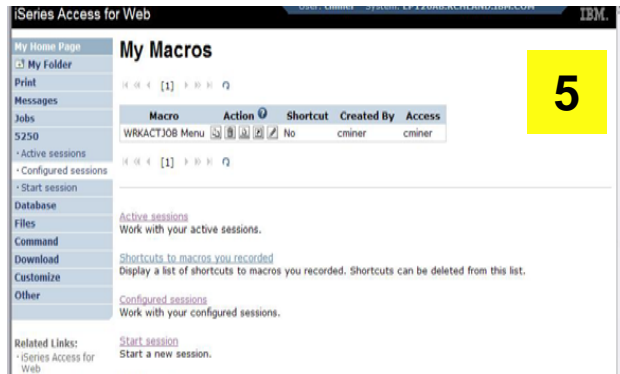
My macros
Work with your macros.

My keypads
Work with your keypads.

5250 user interface help
View help for using the 5250 user interface.

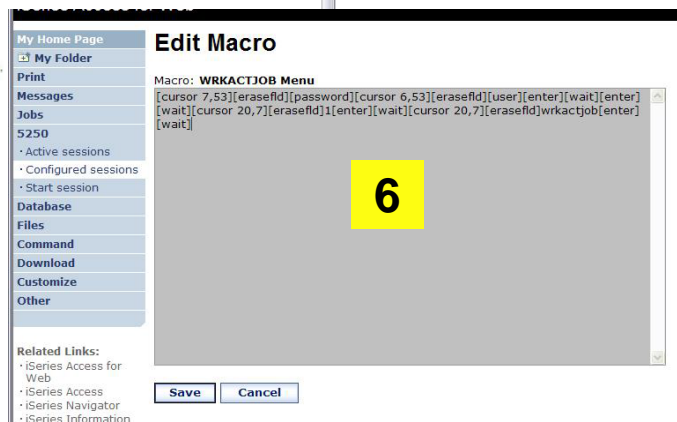


Edit Your Macro and Create A Shortcut for it

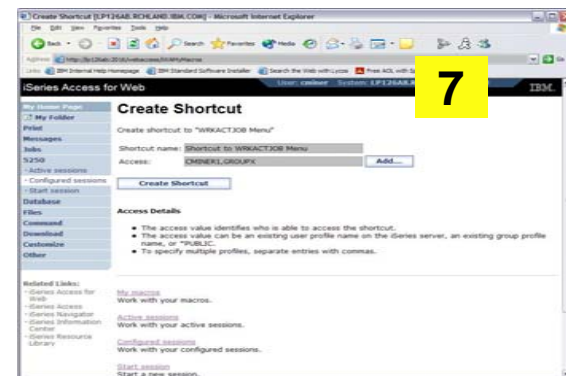


Select Action to **Edit** your macro

- 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



- Go back to My Macro page and section Action to **Create Shortcut** to your Macros
- Add who can use this Macro (*PUBLIC?)



Add Macro Name to a 5250 Session

8

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

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: 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 5250 operations

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	Traditional
<input checked="" type="checkbox"/> Show navigation bar	<input checked="" type="checkbox"/> Show navigation bar
<input checked="" type="checkbox"/> Show action links	<input checked="" type="checkbox"/> Show action links
<input type="checkbox"/> Show hotspot links	<input type="checkbox"/> 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

Reconnect to an Active Session

A user can be in the middle of a 5250 application, then go somewhere else in my browser

- Work with printer output, go to some other web page, etc)
- But did not sign off the 5250 session...

User can come right back to same screen through 'Active Session' link

User could also have shut down the PC, go to another PC and open a connection to the same System i and pick right up on same page

The screenshot shows the 'iSeries Access for Web' interface. At the top, it displays 'User: cminer1 System: RCHLAND.IBM.COM'. Below this, there are several menu items: 'My Home Page', 'Print', '5250', 'Active sessions', 'Configured sessions', 'Start session', 'Database', and 'Files'. A 'Display Report' link is also visible. The main content area shows a table with columns: 'Line', 'RECORD TYPE', 'PANEL ID', 'FIELD ID', 'DATA LENGTH', 'RESERVED', and 'DATA'. The table contains 16 rows of session data. Below the table, there are buttons for 'Exit', 'Cancel', 'Left', 'Right', and 'Split'. At the bottom, there is a navigation bar with left and right arrows.

Line	RECORD TYPE	PANEL ID	FIELD ID	DATA LENGTH	RESERVED	DATA
000001	A	TYPE		1		1
000002	A	VERSION		4		0002
000003	A	RELEASE		3		R02
000004	A	MOD		3		M00
000005	A	VERSIONU		4		0005
000006	A	RELEASEU		3		R03
000007	A	MODU		3		M00
000008	A	IBM		1		1
000009	A	USER		10		QSECFR
000010	A	DATETIME		13		1030812
000011	F	PINSTOPT	VRESTOPT	1		1
000012	F	PINSTOPT	VCLEARQS	1		2
000013	F	PINSTOPT	VSYSVALS	1		0
000014	F	PINSTOPT	VEDITDSC	1		0
000015	F	PINSTOPT	VMSGRPLY	1		0
000016	F	PINSTOPT	VJOBDESC	1		0

Not a good idea to remove 'Active Session' link from users' desktops, as then they do not have the flexibility to jump in and out of the 5250 application...

Reconnect to an Active Session

iSeries Access for Web User: cminer System: RCHLAND.IBM.COM IBM

My Home Page

My Folder

Print

Messages

Jobs

5250

- Active sessions
- Configured sessions
- Start session

Database

Files

























Command

Download

Customize

Other

Active Sessions

Server	Session	Started	Last Accessed	View	Action ?
RCHLAND.IBM.COM	J - Ordering System	1/18/06 3:57:18 PM CST	1/18/06 3:57:24 PM CST	Web	   
RCHLAND.IBM.COM	D - Sales System	1/17/06 5:31:09 PM CST	1/18/06 3:16:36 PM CST	Web	   
RCHLAND.IBM.COM	I - Sales System	1/18/06 3:15:59 PM CST	1/18/06 3:16:00 PM CST	Web	   
RCHLAND.IBM.COM	H - Sales System	1/18/06 3:14:46 PM CST	1/18/06 3:14:47 PM CST	Web	   
RCHLAND.IBM.COM	G - Inventory System	1/18/06 3:14:21 PM CST	1/18/06 3:14:26 PM CST	Web	   
RCHLAND.IBM.COM	F - Inventory System	1/17/06 5:32:54 PM CST	1/18/06 12:16:35 PM CST	Web	   

Sessions listed here are sessions I did not 'sign off' of i5/OS

They would show up here even if System i had released them. If a user attempts to Reconnect, they may get a message that the session has been closed and they would have to start a new 5250 session

Share an Active 5250 Session

Share an active session with another user/group

Shared session is read only

- Others can only view the session

Shared session is not refreshed automatically as screen content changes

- Use browser refresh button to refresh the content

Useful for showing someone the screen content

- Ex. help desk

iSeries Access for Web User: cminer System: RCHLAND.IBM.COM

My Home Page My Folder Print Messages Jobs 5250 Active sessions Configured sessions Start session Database Files Command Download Customize

Active Sessions

Server	Session	Started	Last Accessed	View	Action
RCHLAND.IBM.COM	J - Ordering System	1/18/06 3:57:18 PM CST	1/18/06 3:57:24 PM CST	Web	[Refresh] [Print] [Close]
RCHLAND.IBM.COM	D - Sales System	1/17/06 5:31:09 PM CST	1/18/06 3:16:36 PM CST	Web	[Refresh] [Print] [Close]
RCHLAND.IBM.COM	I - Sales System	1/18/06 3:15:59 PM CST	1/18/06 3:16:00 PM CST	Web	[Refresh] [Print] [Close]
RCHLAND.IBM.COM	H - Sales System	1/18/06 3:14:46 PM CST	1/18/06 3:14:47 PM CST	Web	[Refresh] [Print] [Close]
RCHLAND.IBM.COM	G - Inventory System	1/18/06 3:14:21 PM CST	1/18/06 3:14:26 PM CST	Web	[Refresh] [Print] [Close]
RCHLAND.IBM.COM	F - Inventory System	1/17/06 5:32:54 PM CST	1/18/06 12:16:35 PM CST	Web	[Refresh] [Print] [Close]

iSeries Access for Web User: cminer System: RCHLAND.IBM.COM

My Home Page My Folder Print Messages Jobs 5250 Active sessions Configured sessions Start session Database Files Command Download Customize

Share 5250 Session

Users:

User Details

- The users value identifies who is able to view the 5250 session.
- The users value can be an existing user profile name on the iSeries server, an existing group profile name, or *PUBLIC.
- To specify multiple profiles, separate entries with commas.

Going directly to 5250 from your browser

If you enter iSeries Access for Web by using the following url address:

[http://\[host\]:\[port\]/webaccess/iWA5250](http://[host]:[port]/webaccess/iWA5250)

The 5250 session to be started is selected as follows:

- Reconnects to the last accessed active session if the user has one or more active sessions
- Starts a new session identified in the 5250 Policies as the 'Configured session to use for defaults'
- Starts a session to the System i where iSeries Access for Web is running

Use `initmac` parameter to execute a macro at session startup

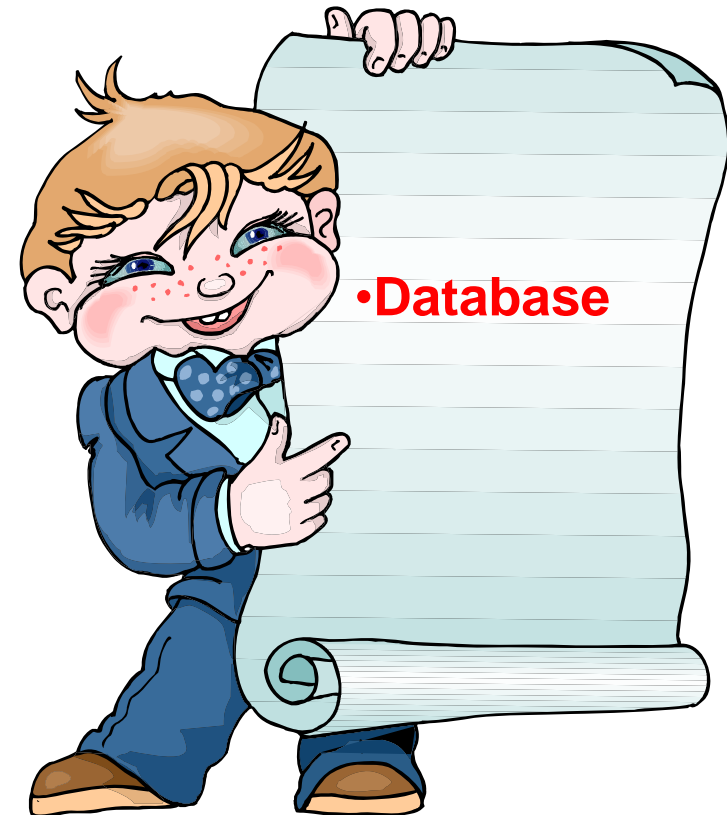
[http://\[host\]:\[port\]/webaccess/iWA5250?initmac=mymacro](http://[host]:[port]/webaccess/iWA5250?initmac=mymacro)

If there is not an active session, this will start a new 5250 session and execute the macro named `mymacro`

- Useful for taking a user directly into an application

(Documented in the URL documentation on the web)

Tips on Data Exchange



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 the iSeries

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



iSeries Access for Web

Copy Data to Table

My Home Page
My Folder
Print
Messages
Jobs
5250
Database
• Tables
• My requests
• Run SQL
• Copy data to table
• Import request
• Import query
• Extract server data
Files
Command
Download
Customize

File to Copy ?

File: Browse...

File type: Comma Separated Value (.csv) Settings

Table to Receive Data ?

Table:

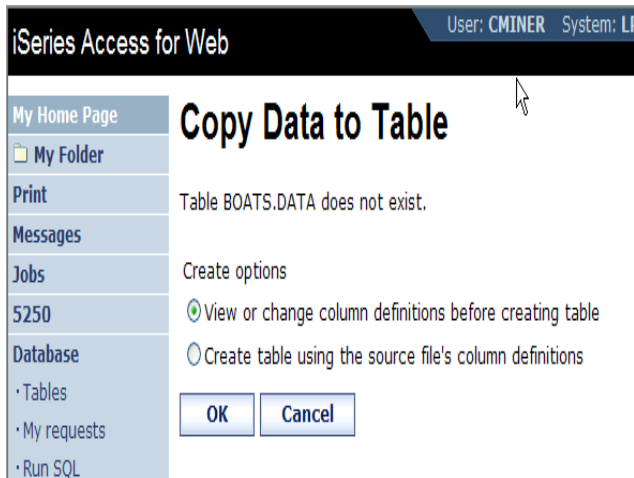
Action: Replace data if table exists

Connection ?

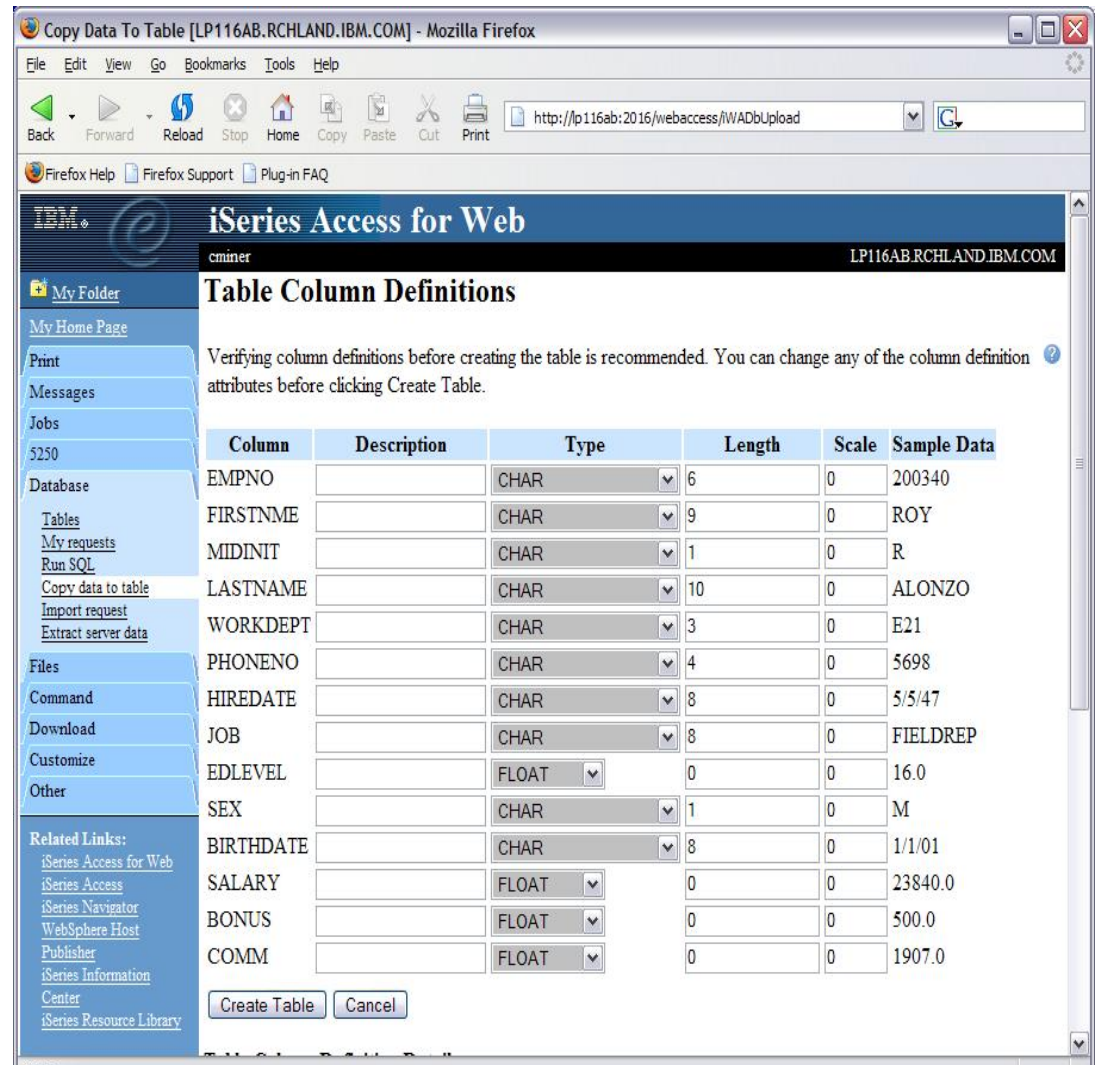
Connection: IBM Toolbox for Java - LP126AB.RCHLAND.IBM.COM

Copy Data to Table Save Request...

Create iSeries Table



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



Database Tables

Can:

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

iSeries Access for Web User: CMINER

My Home Page

My Folder

Print

Messages

Jobs

5250

Database

- Tables
- My requests
- Run SQL
- Copy data to table
- Import request
- Import query
- Extract server data

Files

Command

Download

Customize

Other

Related Links:

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

Tables

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

« « [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	
QGPL.FMS.WSG		

Download Database Information from iSeries

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

iSeries Access for Web

My Home Page
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• Import request
• Import query
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Other

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**

iSeries Access for Web

User: CPINER System: LP120AD.R

My Home Page

My Folder

Print

Messages

Jobs

5250

Database

- Tables
- My requests
- Run SQL
- Copy data to table
- Import request
- Import query
- Extract server data

Files

Command

Download

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 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] » » » 🔍

My Home Page
Print
5250
Database
• My requests
Files
Download

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

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						

2

iSeries Access for Web

My Home Page

My Folder

Print

Messages

Jobs

5250

Database

• Tables

• My requests

Find Boat

Select Boat Type

S

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

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

OK Cancel

1

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 Folder	Store Customer List	[Icons]	No	cmner	cmner
Shortcut to Find Boat To Buy	Select type and price	[Icons]	Yes	CMNER	"PUBLIC"

Import Query (new in V5R4)

New Import wizard to convert SQL statements from:

- DB2 Query Manager (5722-ST1)
- IBM Query for iSeries (5722-QU1)

The screenshot shows the 'iSeries Access for Web' interface. The top navigation bar includes 'User: cminer1', 'System: RCHLAND.IBM.COM', and the IBM logo. A left-hand menu contains links for 'My Home Page', 'Print', '5250', 'Database' (with sub-links for Tables, My requests, Run SQL, Copy data to table, Import request, Import query, and Extract server data), and 'Files'. The main content area is titled 'Import Query' and contains the following text: 'Specify the query file you want to import. The query contained in the query file will be converted to an iSeries Access for Web database request.' Below this is a 'Note' stating: 'The converted iSeries Access for Web database request could work differently than the original query file. Verifying the converted request is strongly recommended.' The 'Query to Import' section includes a 'Query file:' input field with a 'Find...' button, a 'Query type:' dropdown menu currently set to 'DB2 UDB for iSeries Query Manager (*QMQR)', and a 'Query file CCSID:' dropdown menu with options 'Query for iSeries (*QRYDFN)' and 'DB2 UDB for iSeries Query Manager (*QMQR)'. An 'Import Query' button is located at the bottom of the form. A 'Related Links' section at the bottom left points to 'iSeries Access for Web'.

***Doesn't require Interactive 5250,
runs Batch with iSeries Access for Web***

Some reasons to move your queries to iSeries Access

Secure Web access to iSeries information for both local and remote users

- Cost-effective way to bring your System i data to your users, as there is nothing to install or configure on the user desktops.
- Start using the queries as soon as they are set up.

Simply start up a browser session to a predefined url

- An easy way to make queries available to your users.

Simply click on My Requests link and run the predefined query

- End users want data, but don't understand 'database/file/field' concepts
- If security is an issue, iSeries Access for Web conforms to standard OS/400 security to restrict users to just the information you want them to see.
- Through Shortcuts, you only give users the queries you want them to run

A graphical interface makes life easier

- Users can display results, then simply click an option to save the data in any PC file format
- They can convert it to PDF and print it.
- They can even mail results to any user

Interactive processing on a System i is more costly, run the queries with iSeries Access for Web in the batch subsystem.

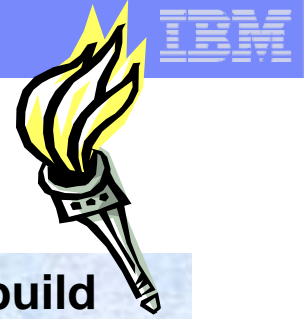
Considerations for using Import Query function

iSeries Access for Web “Run SQL” function stores only the SQL statement.

- Query files can contain much more information in them than just the SQL statement. In cases where the Query file contains special instructions for the query, you might need to use the Customize function to create a new iSeries Access for Web database connection to honor the special case.
- Default iSeries Access for Web database connections will run database query requests using SQL naming conventions and using the locale specific defaults for the current user profile.

Restrictions

- Query files with SQL statements containing program variables or replacement variables are not supported
- Query files containing forms or procedures are not supported.



Tip: Extract Server Data – V5R3

Use Extract Server Data to retrieve information about objects on the System i server

- General object information can be retrieved for any iSeries object type.
- Object specific information can also be retrieved for the following object types:
 - Directory entries
 - Messages
 - Software fixes
 - Software products
 - System pool
 - User profiles

Then use Run SQL to work with the data

You could easily build a query:

- To find out what users have used more than 100 MB of storage in the IFS
- Or you might want to know what users have had more than 2 invalid sign-on attempts in the past three months.

This powerful capability lets you look at your System i information in any manner that is of importance to you.

Using 'Extract Server Data' function

- Data can be extracted from **directory entries, messages, software fixes, software products, user profiles, and system objects.**
- **Select the fields you want to save**
- **Pick a table name, and System i Access for Web creates the database table**
- **Once it has been copied, you can now work with the new table**

iSeries Access for Web User: cminer System: RCHLAND.IBM.COM

Extract Server Object Data

Object Data to Extract
Objects:

Table to Receive Data
Table:
 Replace table if table exists

Extract Results
Output:

Connection
Connection:

iSeries Access for Web User: cminer

Extract Server Object Data

335 rows added to QGPL.EXTRAC

[Work with QGPL.EXTRAC](#)

[Query QGPL.EXTRAC](#)

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>User ID = WUSER</p> <p>Password = DEMO2PWD</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>User ID = BOATADMIN</p> <p>Password = DEMO2PWD</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 WebFacing 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>

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