



IBM System i™

Session: **45MN**



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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System i Access for Web Sessions/LABs

	22CC	409136	Get to the Web Fast with System i Access for Web
	25LA	520027	LAB: Getting Started with System i Access for Web
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	35MI	410068	System i Access for Web – Setup and Configuration
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	56MM	480144	Programming with System i Access for Web



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

i want an i.

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



iSeries Access and System i Express

Each i5/OS user on System i is entitled to use any client in the iSeries Access Family at no additional charge

With iSeries Access, users can:

- **Access traditional i5/OS applications using the 5250 emulation function**
- **Query and retrieve DB2 information through easy-to-use GUIs**
- **Upload spreadsheet information into DB2**
- **Use i5/OS as a file server**
- **Access i5/OS printer output, convert it to .PDF, and print it on PC printers**

iSeries Access Family (5722-XW1) unlimited user feature included with 515 and 525 systems



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

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

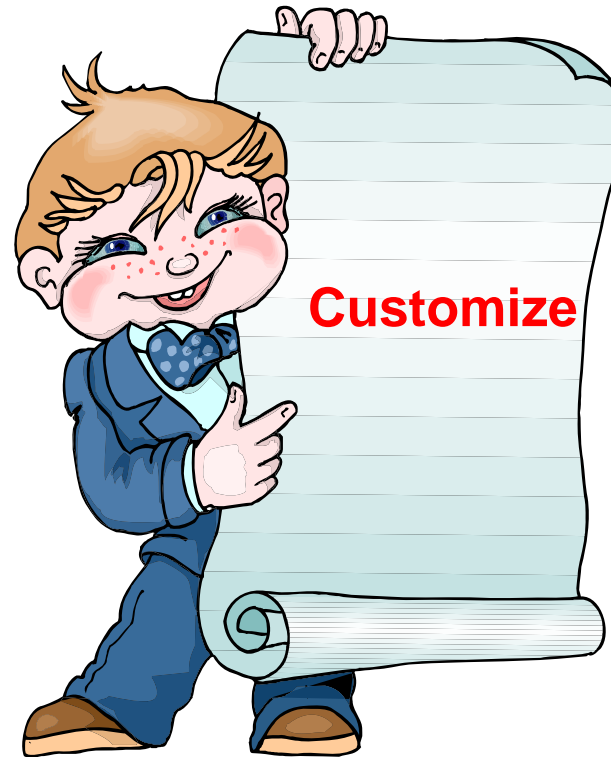
Other

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

V5R4 System i Access for Web Enhancements

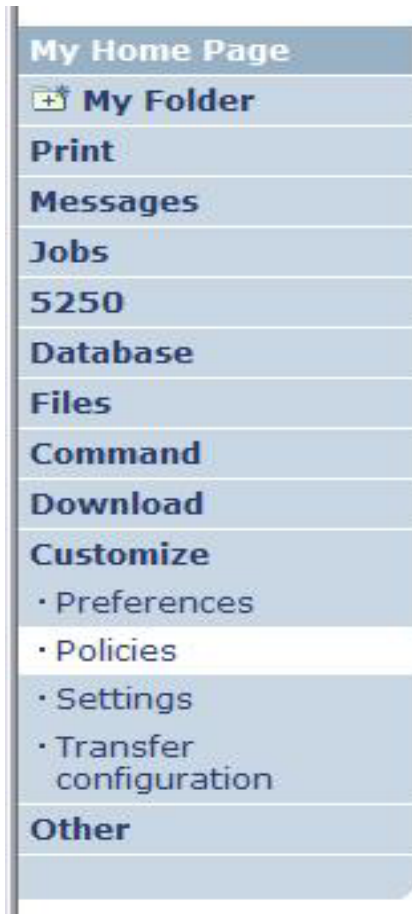
Both Servlets and Portlets	Servlets	Portlets
<p>Authentication</p> <ul style="list-style-type: none"> • Support Single sign-on (SSO) using WAS security model (EIM, LDAP) • 5250 Bypass i5/OS sign-on screen <p>Database</p> <ul style="list-style-type: none"> • Support for OpenOffice Spreadsheet format (.ods) <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



33MI 500121 System i Access for Web – Security Considerations

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

Policies
Profile: CMINER1

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

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

Recommendations for Setting Up Policies

Do as much customization as you can using *PUBLIC

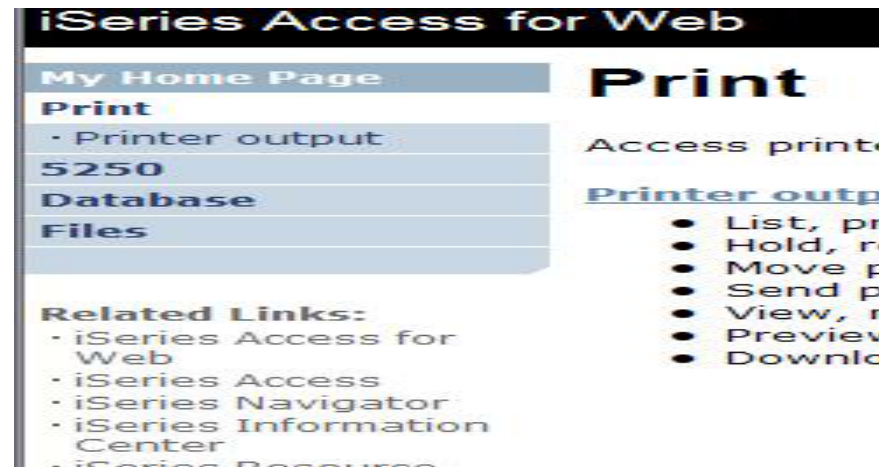
Create some 'Groups' of users and apply more specific customization

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 Data	Creation Date/Time	Pages Per Copy	Copies	Status	Action	User	Job Name	Job Number	File Num
QSYSVRT		12/15/05 4:31 PM	1	1	Ready	...	CMINER	CMINER0	502274	
QSYSVRT		12/15/05 4:31 PM	1	1	Ready	...	CMINER	CMINER0	502274	
QSYSVRT		12/15/05 4:32 PM	1	1	Ready	...	CMINER	CMINER0	502274	
QSYSVRT		12/15/05 4:39 PM	1	1	Ready	...	CMINER	CMINER0	502274	
QSYSVRT		12/15/05 4:41 PM	1	1	Ready	...	CMINER	CMINER0	502274	
QPRINT		12/15/05 4:48 PM	1	1	Ready	...	CMINER	QIWAPDFSTR	502281	
QPRINT		12/15/05 4:50 PM	1	1	Ready	...	CMINER	QIWAPDFSTR	502285	
QPRINT		12/15/05 4:52 PM	1	1	Ready	...	CMINER	QIWAPDFSTR	502287	
QPRINT		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. On the left is a navigation menu with options like 'My Home Page', 'My Folder', 'Print', 'Messages', 'Jobs', '5250', 'Database', 'Files', 'Command', 'Download', 'Customize', and 'Other'. The main content area has a 'Profile filter' set to 'cminer' and a 'Filter List' button. Below that, there are radio buttons for 'Profile' (selected) and 'Description'. A table lists profiles with columns for 'Profile', 'Description', and 'Action'. The first row shows '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.

Profile	Description	Action
CMINER	Carole Miner/Rochester/IBM@IBMUS	[Icons]

The screenshot shows the 'Copy Policies' page in the iSeries Access for Web interface. The left navigation menu is the same as in the previous screenshot. 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.' There is a 'From profile:' field with the value ':OFFICE' and a 'To profiles:' field with an 'Add...' button. Below these fields 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:

To profile:

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

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

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"/>	Download	Create and edit database connection definitions.	Allowed
<input checked="" type="checkbox"/>	Download connections	Download packages custom settings.	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



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	Configured sessions	Profile setting	<input checked="" type="checkbox"/> Deny



Tips on Mail



Integrate User's email with System i Access for Web

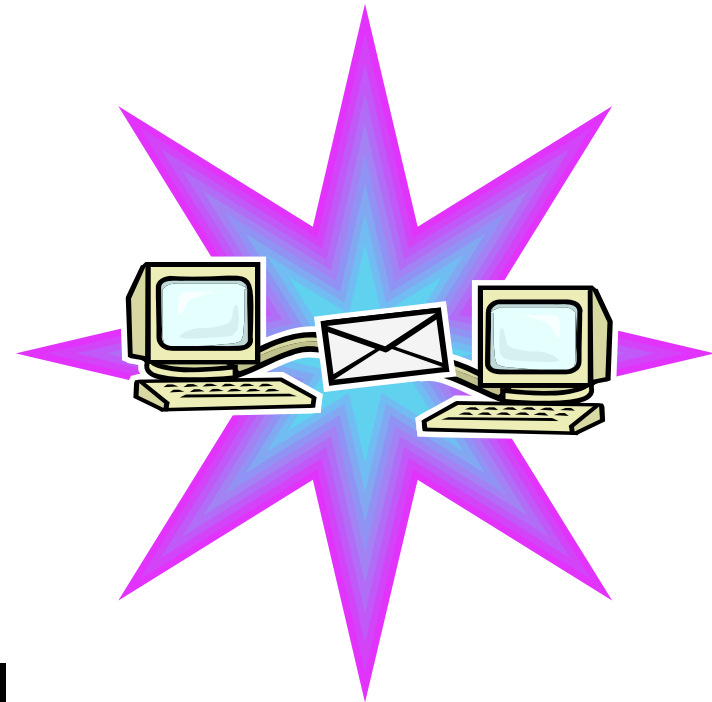
Can send results of the following System i Access for Web functions:

- 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.C

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:

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

Convert Printer Output to PDF

My Home Page

- My Folder
- Print**
 - Printer output
 - PDF printer output
 - Printers
 - PDF printers
 - Internet printers
 - Internet printer shares
 - Printer shares
 - Output queues
- Messages
- Jobs
- 5250
- Database
- Files
- Command
- Download
- Customize
- Other

From: cminer@us.ibm.com

To:

cc:

bcc:

Subject:

Attachment: QSYSPRT.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

My Home Page

- My Folder
- Print
- Messages
- Jobs
- 5250
- Database
- Files
- Command
- Download
- Customize
 - Preferences
 - Policies
 - Settings

Edit Policies - Mail 1

Profile: *PUBLIC

Policy	Derived From [?]	Action [?]	
Mail access	Shipped default	Use current setting <input type="text" value=""/>	Allow <input type="text" value=""/>
Send mail	Shipped default	Use current setting <input type="text" value=""/>	Allow <input type="text" value=""/>
SMTP mail server	Shipped default	Use current setting <input type="text" value=""/>	us.ibm.com
E-mail address is user preference	Shipped default	Use current setting <input type="text" value=""/>	Allow <input type="text" value=""/>

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

My Home Page

- My Folder
- Print
- Messages
- Jobs
- 5250
- Database
- Files
- Command
- Download
- Customize
 - Preferences
 - Policies
 - Settings
 - Transfer configuration
- 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
- Messages
- Jobs
- 5250
- Database
- Files
- Command
- Download
- Customize
 - Preferences
 - Policies

Edit Preferences - Mail

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

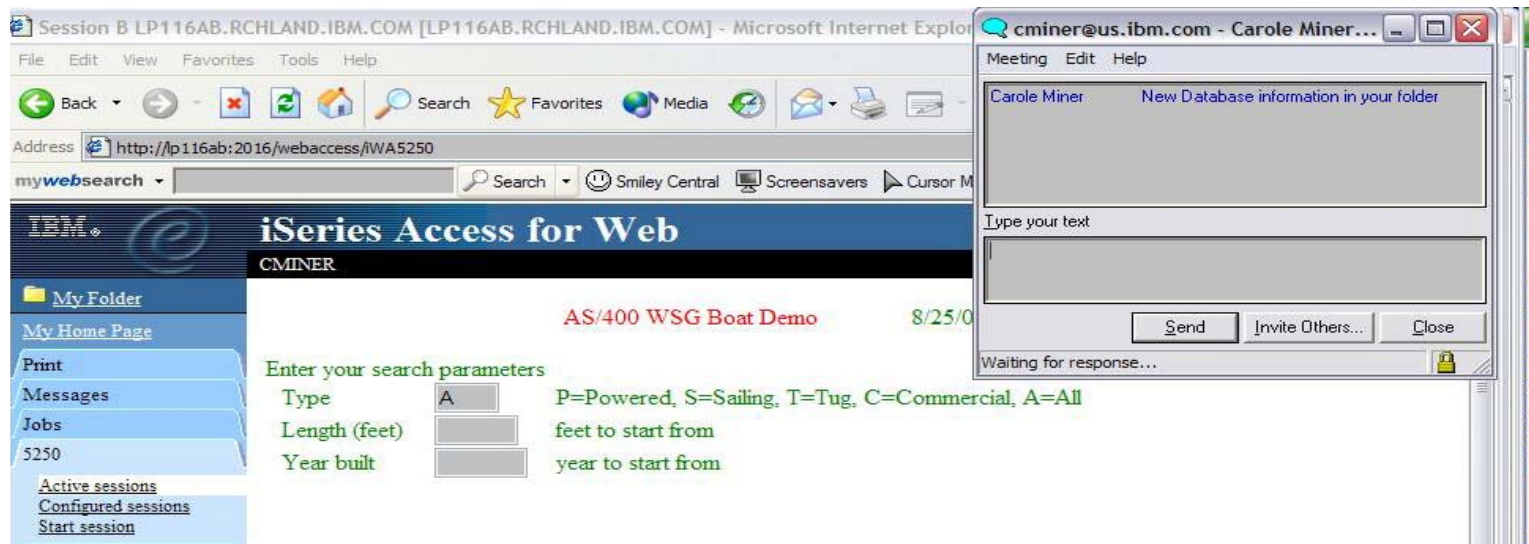
[Preferences help](#)
View help for editing preferences.

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

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

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

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

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

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

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

My Home Page

My Folder

Print

Messages

Jobs

5250

Database

Files

Command

Download

Customize

Other

• Preferences

• Policies

• Settings

• Transfer configuration

Import Policies

Specify the file containing policies you want to import.

File: Browse...

Import Policies

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

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"?>
<Qiwapolicies>
  <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>
</Qiwapolicies>
```

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

My Folder

Print

Messages

Jobs

5250

Database

Files

Command

Download

Customize

- Preferences
- Policies
- Settings
- Transfer configuration

Other

Related Links:

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

Edit Policies - My Folder

Profile: CMINER

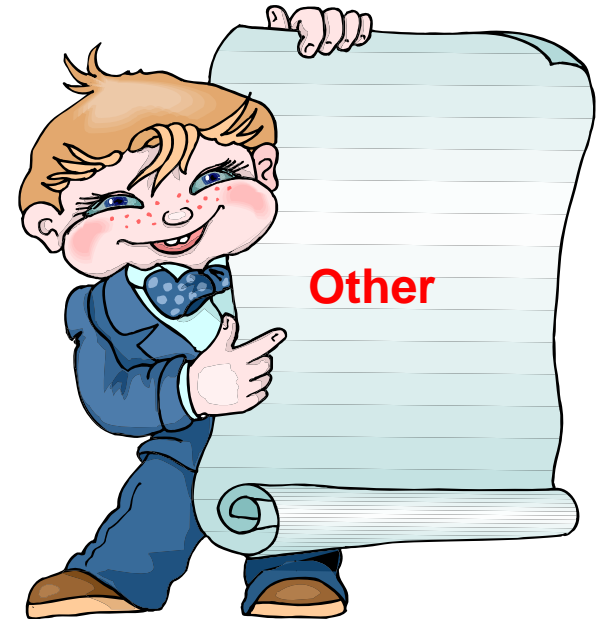
Policy	Derived From ?	Action ?	Setting
My Folder access	Shipped default	Use current setting	Allow
My Folder tab	Shipped default	Use current setting	Show
Create folder items	Shipped default	Use current setting	Allow
Rename folder items	Shipped default	Use current setting	Allow
Copy folder items	Shipped 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'



iSeries Access for

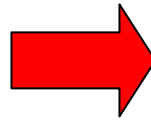
- My Home Page
- My Folder
- Print
- Messages
- Jobs
- 5250
- Database
- Files
- Command
- Download
- Customize
- Other**
 - Bookmarks
 - Change password
 - Connection pool status
 - Trace
 - About



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

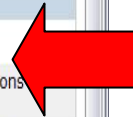
System	User	Active	Available	Action
RCHLAND.IBM.COM	JHANSEN	0	3	Clear
RCHLAND.IBM.COM	JEK	0	2	Clear
RCHLAND.IBM.COM	CMINER	0	2	Clear

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. At the top, it displays 'User: cminer System: RCHLAND.IBM.COM'. On the left, there is a navigation menu with options: My Home Page, My Folder, Print, Messages, Jobs, 5250, Database, Files, Command, Download, Customize, and Other. The 'Other' section is expanded, showing a list of 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), and 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

i want an i.

And more...



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

Way down at the end of 'Other'

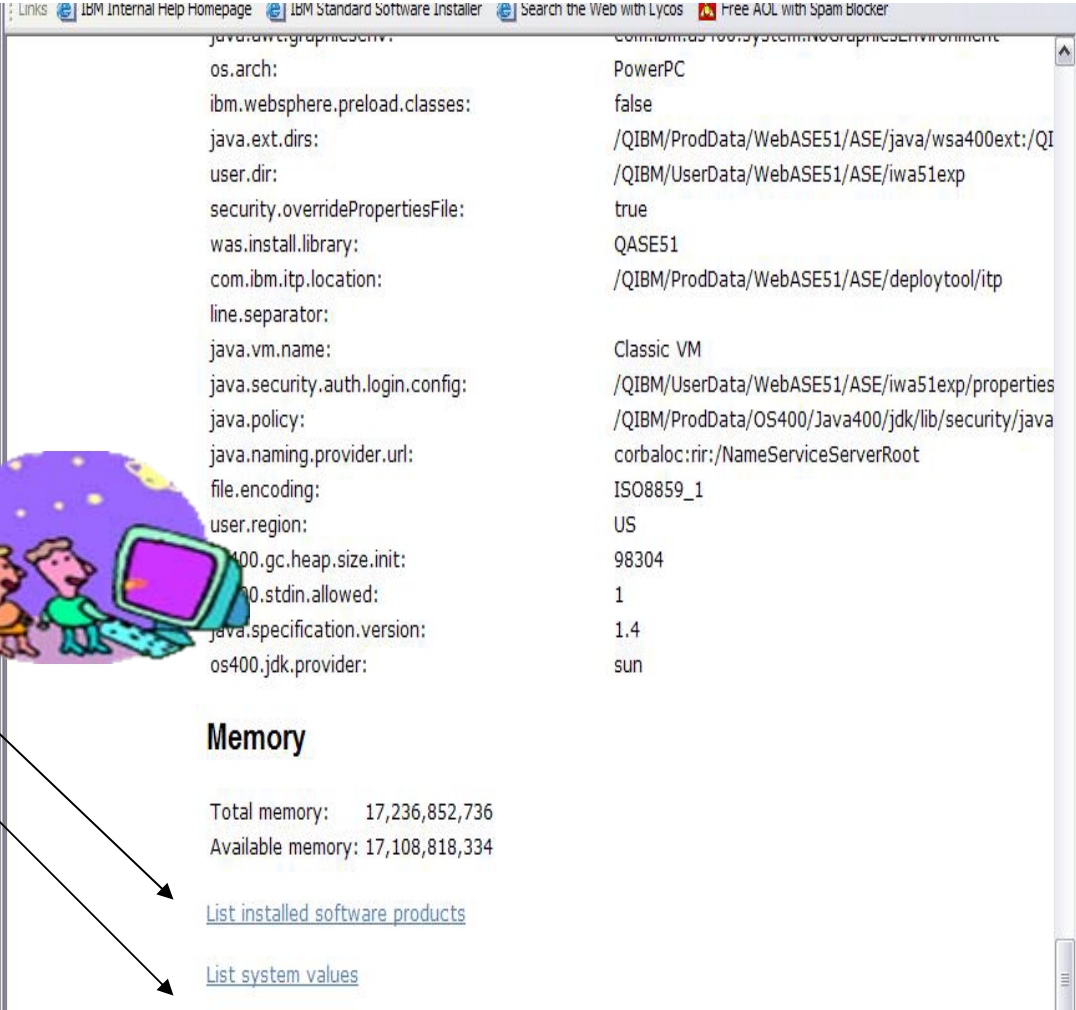
Memory

List installed software products on System i

- List Software fixes installed

List system values

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



java.awt.graphicsenv:	com.ibm.as400.tools.java.awt.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
java.awt.graphicsenv:	com.ibm.as400.tools.java.awt.GraphicsEnvironment
400.gc.heap.size.init:	98304
400.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

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

My Home Page My Folder Print Messages Messages Jobs 5250 Database Files Command Download Customize Other

Software Products

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

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

My Home Page My Folder Print Messages Messages Jobs 5250 Database Files Command Download Customize Other

Software Product Properties

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

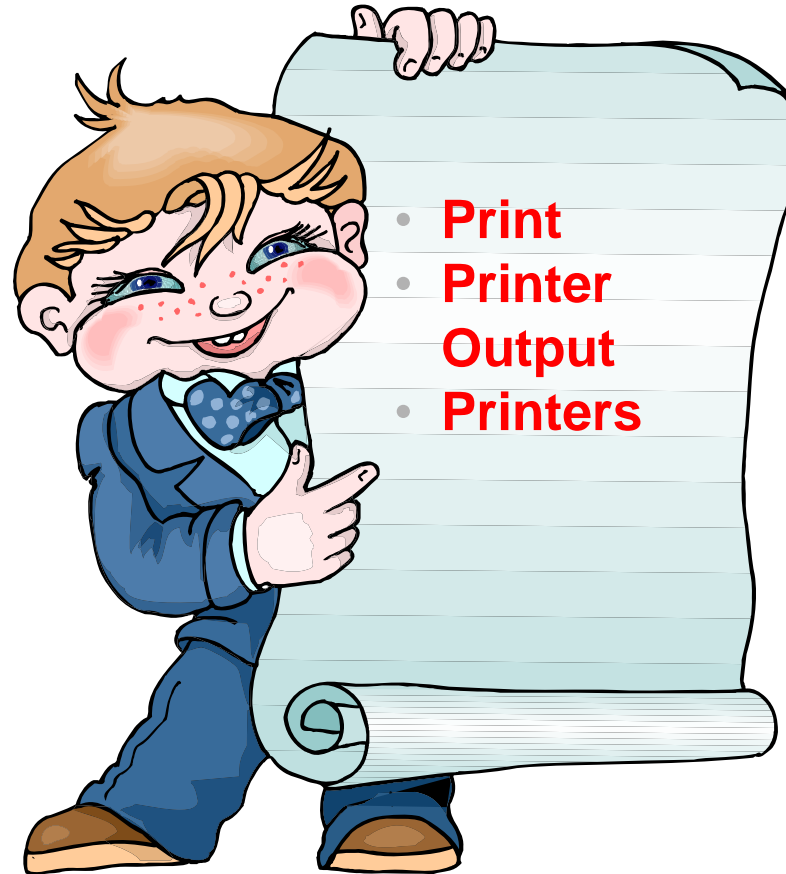
iSeries Access for Web User: cminer System: RCHLAND.IBM.COM

My Home Page My Folder Print Messages Messages Jobs 5250 Database Files Command Download Customize Other

Software Product Fixes

ID	Product	Option	Release	Target Release	Action Required	Action Pending	On Order
ES00068	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S111314	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S111476	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S111872	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S112118	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S112136	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
S117143	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



- **Print**
- **Printer**
- **Output**
- **Printers**

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

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] [Cancel] [Refresh]

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

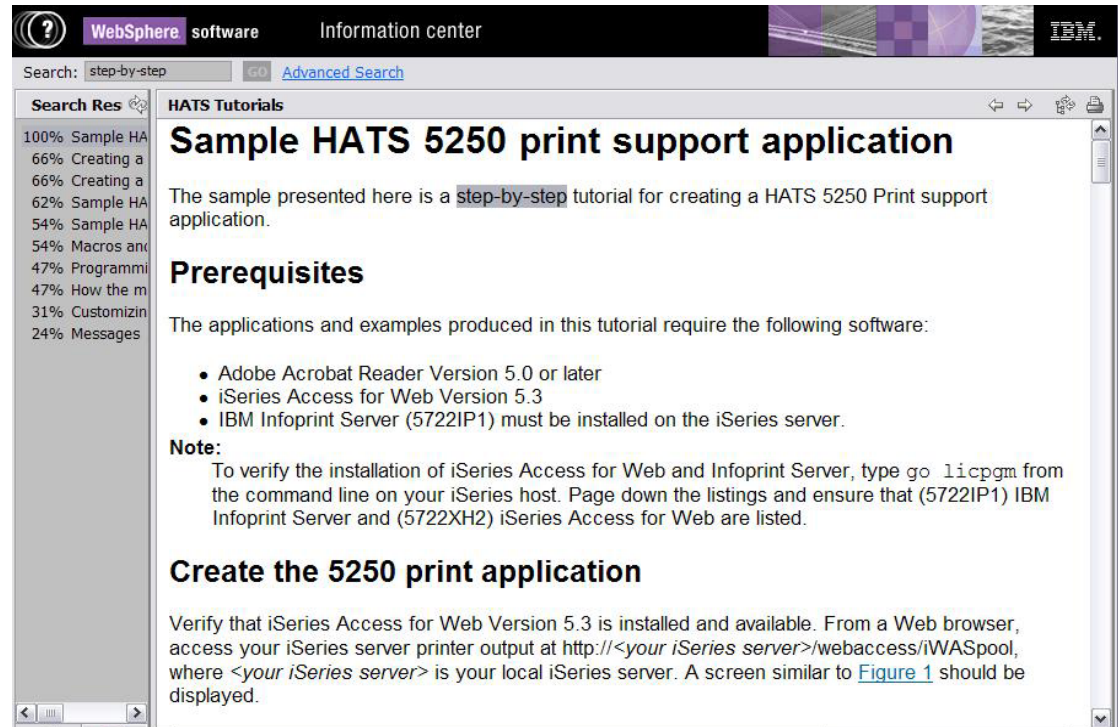
HATS uses System i Access for Web for Printer Output

<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 'HATS Tutorials' page. The page title is 'Sample HATS 5250 print support application'. The content includes a search bar with 'step-by-step' entered, a search results list on the left, and the main tutorial text. The tutorial text includes a 'Prerequisites' section listing software requirements: Adobe Acrobat Reader Version 5.0 or later, iSeries Access for Web Version 5.3, and IBM Infoprint Server (5722IP1) must be installed on the iSeries server. A 'Note' section provides instructions on how to verify the installation of iSeries Access for Web and Infoprint Server. The 'Create the 5250 print application' section provides instructions on how to access the printer output from a web browser.

WebSphere software Information center

Search: step-by-step [Advanced Search](#)

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 licpgm` 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
AFPPRT1	Unavailable	[Start/Stop/Hold]	Device created for LP126AB.	QUSRSYS/AFPPRT1
AHORASI	Unavailable	[Start/Stop/Hold]	text for ahorasi printer	QUSRSYS/AHORASI
CMINER1PRT	Unavailable	[Start/Stop/Hold]	PDF Output for CMINER1	QUSRSYS/CMINER1PRT
CONVERTPDF	Stopped	[Start/Stop/Hold]	PDF Convert - Spool PDF to QEZJOBLOG/QUSRSYS	QUSRSYS/CONVERTPDF
DAWNIP40	Ready	[Start/Stop/Hold]	web nav URL test printer	QUSRSYS/DAWNIP40
DAWN1140	Ready	[Start/Stop/Hold]	web nav URL test printer	QUSRSYS/DAWN1140
DMSPRTA	Unavailable	[Start/Stop/Hold]	Device created for LP126AB.	QUSRSYS/DMSPRTA
FROMPDF	Unavailable	[Start/Stop/Hold]	description	QUSRSYS/FRMPDF
HP8100	Stopped	[Start/Stop/Hold]	created by Eric Larese	QUSRSYS/HP8100
INTERPRTJ	Ready	[Start/Stop/Hold]		QUSRSYS/INTERPRTJ
INTERPRTJ2	Ready	[Start/Stop/Hold]	Internet Printer..	QUSRSYS/INTERPRTJ2
INTERPRT01	Stopped	[Start/Stop/Hold]		QUSRSYS/INTERPRT01
INTERPRT02	Ready	[Start/Stop/Hold]		QUSRSYS/INTERPRT02
INTERPRT7	Ready	[Start/Stop/Hold]	NEW DESCRIPTION FOR INTERPRT7	QUSRSYS/INTERPRT7
IP1120	Ready	[Start/Stop/Hold]	TESTING testing	QUSRSYS/IP1120
IP1145	Stopped	[Start/Stop/Hold]		QUSRSYS/IP1145
IWAAPP	Unavailable	[Start/Stop/Hold]	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
AFPPRT1	Varied off	[Start/Stop/Hold]	QUSRSYS/AFPPRT1	Released	[Start/Stop/Hold]		Ended	[Start/Stop/Hold]	Device created for LP126AB.
AHORASI	Varied off	[Start/Stop/Hold]	QUSRSYS/AHORASI	Released	[Start/Stop/Hold]		Ended	[Start/Stop/Hold]	text for ahorasi printer
CMINER1PRT	Varied off	[Start/Stop/Hold]	QUSRSYS/CMINER1PRT	Released	[Start/Stop/Hold]		Ended	[Start/Stop/Hold]	PDF Output for CMINER1
CONVERTPDF	Varied On	[Start/Stop/Hold]	QUSRSYS/CONVERTPDF	Released	[Start/Stop/Hold]		Ended	[Start/Stop/Hold]	PDF Convert - Spool PDF to QEZJOBLOG/QUSRSYS
DAWNIP40	Active	[Start/Stop/Hold]	QUSRSYS/DAWNIP40	Released	[Start/Stop/Hold]	DAWNIP40	Started	[Start/Stop/Hold]	web nav URL test printer
DAWN1140	Active	[Start/Stop/Hold]	QUSRSYS/DAWN1140	Released	[Start/Stop/Hold]	DAWN1140	Started	[Start/Stop/Hold]	web nav URL test printer
DMSPRTA	Varied off	[Start/Stop/Hold]	QUSRSYS/DMSPRTA	Released	[Start/Stop/Hold]		Ended	[Start/Stop/Hold]	Device created for LP126AB.
FROMPDF	Varied off	[Start/Stop/Hold]	QUSRSYS/FRMPDF	Released	[Start/Stop/Hold]		Ended	[Start/Stop/Hold]	description
HP8100	Varied On	[Start/Stop/Hold]	QUSRSYS/HP8100	Released	[Start/Stop/Hold]		Ended	[Start/Stop/Hold]	created by Eric Larese
INTERPRTJ	Active	[Start/Stop/Hold]	QUSRSYS/INTERPRTJ	Released	[Start/Stop/Hold]	INTERPRTJ	Started	[Start/Stop/Hold]	
INTERPRTJ2	Active	[Start/Stop/Hold]	QUSRSYS/INTERPRTJ2	Released	[Start/Stop/Hold]	INTERPRTJ2	Started	[Start/Stop/Hold]	Internet Printer..
INTERPRT01	Varied On	[Start/Stop/Hold]	QUSRSYS/INTERPRT01	Released	[Start/Stop/Hold]		Ended	[Start/Stop/Hold]	

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**

Business needs | IBM InfoPrint Server for iSeries

Industries

Printers

Software

Professional services

Supplies and paper

How to buy

Support and maintenance

News and events

Literature

Related links

- IBM servers
- IBM Business Partner and reseller assistance

Product details | **Specifications** | **User resources**

Overview | Features and benefits | Latest enhancements | Complementary offerings | Evaluation

Go beyond 'print and distribute.' Go to the next level of automation to manage and present business information electronically and reduce hardcopy costs.

Receive more value from your IBM **@server** iSeries investment. Extend core iSeries output capabilities that help enable you to re-engineer business processes to improve service levels, decrease transaction costs, reduce paper flow and enhance competitive advantage with speed and flexibility.

With InfoPrint® Server, you can transform any standard iSeries output format and produce electronic output in Advanced Function Presentation (AFP™) or PDF. This capability allows you to manage and distribute information via e-mail, Web or local printing.

Migration to electronic output can reduce the time, costs and waste associated with preprinted hardcopy forms. And, you gain iSeries management of network output. InfoPrint Server provides transforms for PCL, PostScript®, GIF, TIFF, JPEG and PDF data into AFP so you can bring these documents into the iSeries for efficient and cost-effective handling.

Learn more

- Details, options, feature codes and updates
- Literature
- Redpaper
- Online support and manuals
- Webcasts

We're here to help

Easy ways to get the answers you need.

- ✉ E-mail us
- ➔ Contact IBM
- ➔ Request a quote

Webcasts

InfoPrint Webcasts

Learn how InfoPrint Designer and InfoPrint Server can help meet your iSeries output needs.

Document options

- ✉ E-mail this page

Related information

- ➔ Printing and e-business output solutions
- ➔ Outout management

Done

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

PDF Printers

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

iSeries Access for Web

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

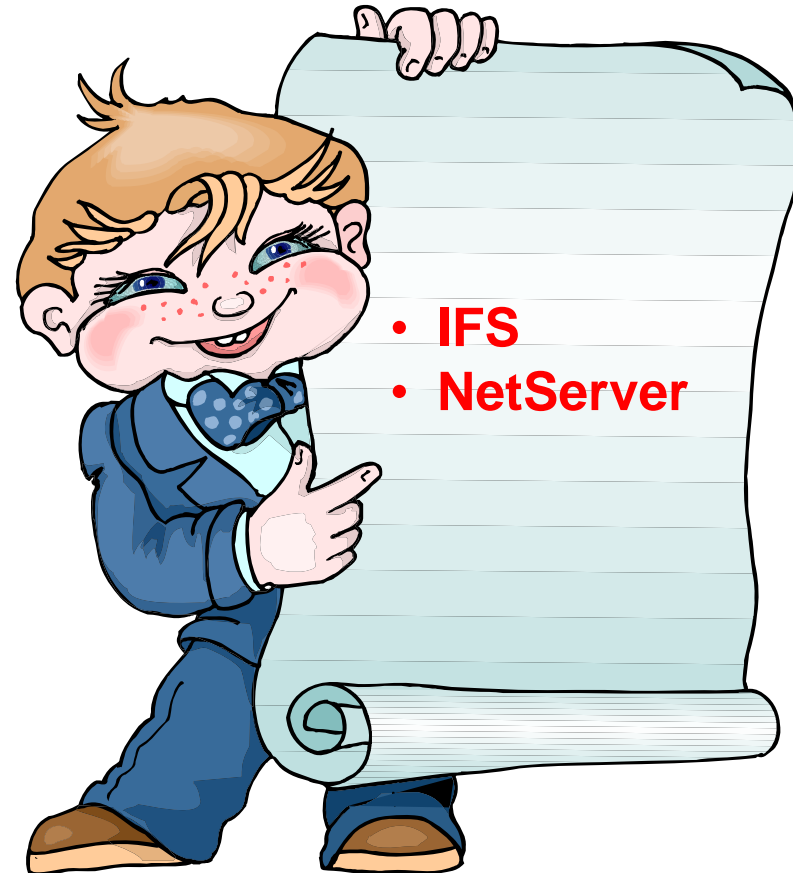
Name Details

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

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

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]
aliciam		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]

iSeries Access for Web User: cminer1 System: RCHLAND.IBM.COM

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 a list of directories under the current path. The 'Name' column lists: \$BEACH, \$BLDJAVA, \$BLDSHIP, \$BLDTTEST, aliciam, ASFTomcat, bin, boats, BVTFolder, and CUSTINFO.

Middle Screenshot: Work With Directory
 Shows the 'Work With Directory' page for the directory /home/BROWN. It displays metadata: Modified: 1/11/06 6:53:03 PM, Owner: CMINER, Primary group: *NONE, and Authorization list: *NONE. The 'Action' menu includes: 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 the directory /home/BROWN. It displays the current owner (BROWN), primary group (*NONE), and authorization list (*NONE). Below is a table of authorities:

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 is the 'Add Profile' section, which includes a 'Profile:' field and a 'Browse...' button.

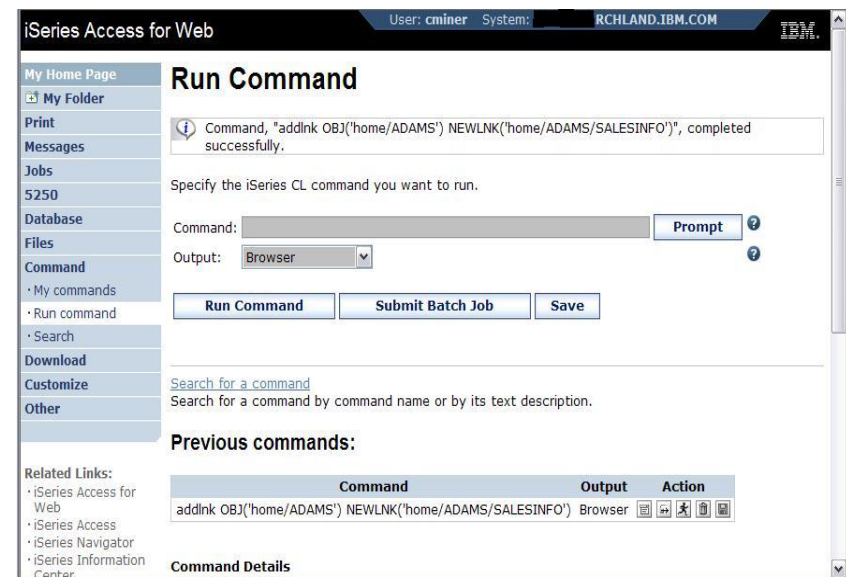
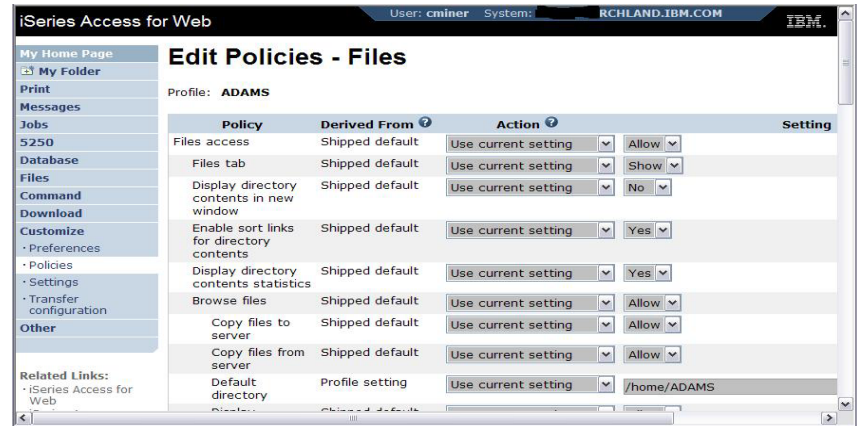
Set Default Directories for Your Users

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



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	
beach		Directory	9/14/05 9:47:27 AM	
BLEEK		Directory	6/29/04 10:20:05 AM	
BROWN		Directory	1/12/06 1:19:53 PM	
chino		Directory	2/24/05 10:36:31 AM	
clarkd		Directory	9/14/05 12:02:36 PM	
cminer		Directory	1/11/06 5:08:59 PM	
cminer1		Directory	1/11/06 5:42:49 PM	
danhicks		Directory	11/17/05 10:28:27 AM	
danny		Directory	7/26/04 4:26:14 PM	
Erika		Directory	4/4/05 11:32:11 AM	
jhansen		Directory	10/4/05 10:57:05 AM	
joansg		Directory	8/18/05 10:47:50 AM	

Result

My Home Page

My Folder

Print

Messages

Jobs

5250

Database

Files

Command

Download

Customize

Preferences

Policies

Settings

Transfer configuration

Other

Related Links:

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

Edit Policies - Files

Profile: CMINER

Policy	Derived From ?	Action ?	Setting
Files access	Shipped default	Use current setting <input type="button" value="v"/> Allow <input type="button" value="v"/>	
Files tab	Shipped default	Use current setting <input type="button" value="v"/> Show <input type="button" value="v"/>	
Display directory contents in new window	Shipped default	Use current setting <input type="button" value="v"/> Yes <input type="button" value="v"/>	
Enable sort links for directory contents	Shipped default	Use current setting <input type="button" value="v"/> Yes <input type="button" value="v"/>	
Display directory contents statistics	Shipped default	Use current setting <input type="button" value="v"/> Yes <input type="button" value="v"/>	
Browse files	Shipped default	Use current setting <input type="button" value="v"/> Allow <input type="button" value="v"/>	
Copy files to server	Shipped default	Use current setting <input type="button" value="v"/> Allow <input type="button" value="v"/>	
Copy files from server	Shipped default	Use current setting <input type="button" value="v"/> Allow <input type="button" value="v"/>	
Default directory	Profile setting	Use current setting <input type="button" value="v"/> / <input type="button" value="v"/> <input type="button" value="Browse..."/>	
Display subdirectory contents	Shipped default	Use current setting <input type="button" value="v"/> Allow <input type="button" value="v"/>	



System i NetServer

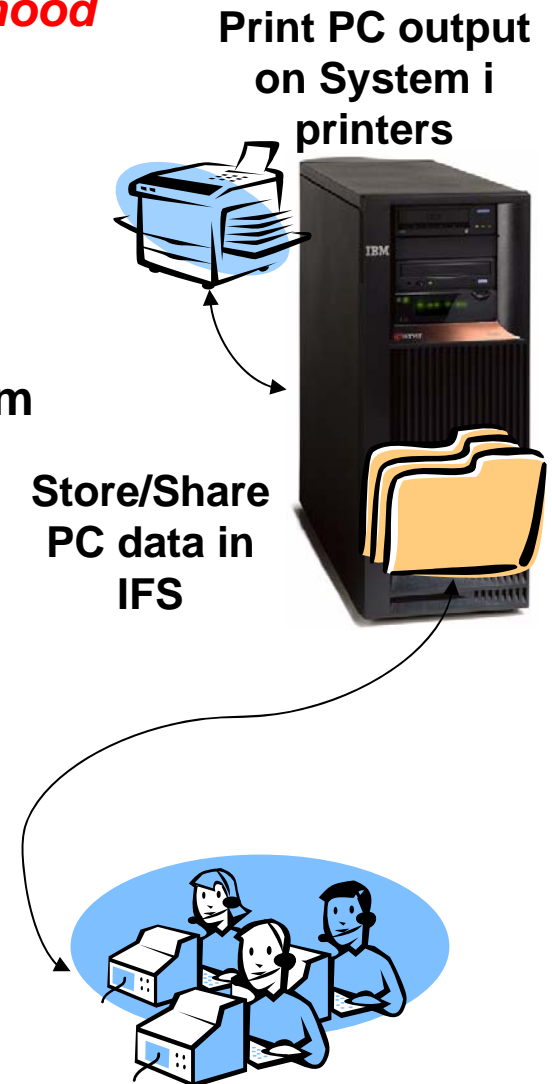
System i Support for Windows Network Neighborhood

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

The screenshot shows the 'iSeries Access for Web' interface. The top navigation bar includes 'User: cminer System: RCHLAND.IBM.COM' and the IBM logo. The main content area is titled 'iSeries NetServer File Shares'. On the left, there is a sidebar menu with options like 'My Home Page', 'My Folder', 'Print', 'Messages', 'Jobs', '5250', 'Database', 'Files', 'Command', 'Download', 'Customize', and 'Other'. The 'Files' section is expanded, showing a list of file shares. Below the sidebar, there is a table of file shares with columns for 'Share Name', 'Description', 'User Count', and 'Permission'. The table lists several shares including BVTSHARE, CAROLEMINER, QDIRSRV, QIBM, ROOT, WALABRO, WALABRW, YESENIA, and YESI. At the bottom, there is a 'Related Links' section.

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

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 instructions: 'Specify the file to copy to directory QIBM on LP016AB.RCHLAND.IBM.COM. Data is copied in binary format.'

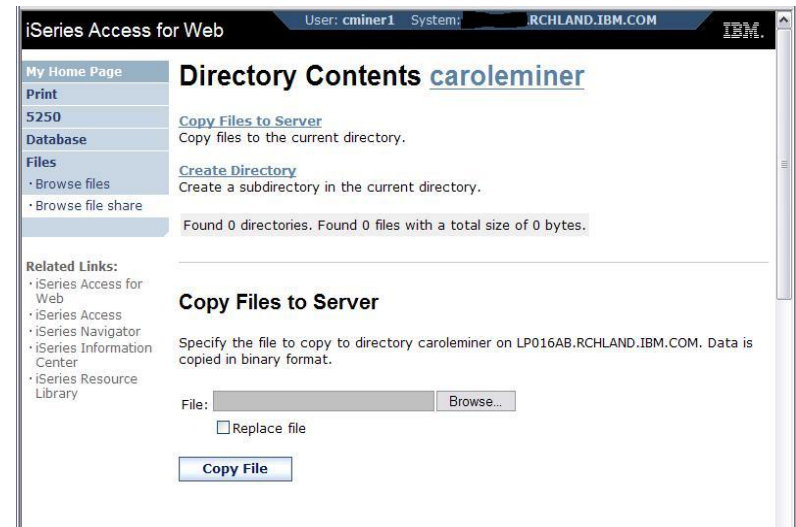
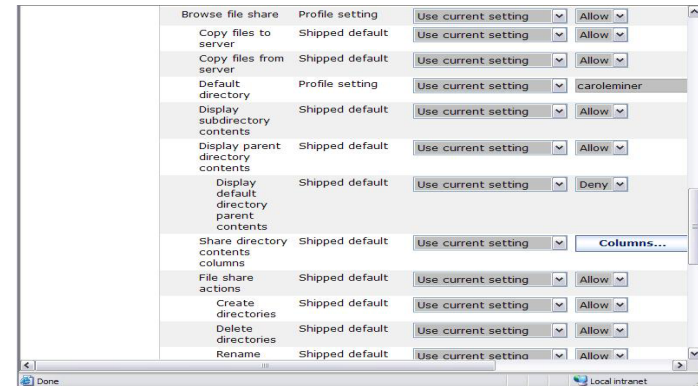
Browse File Share with Policy setting

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

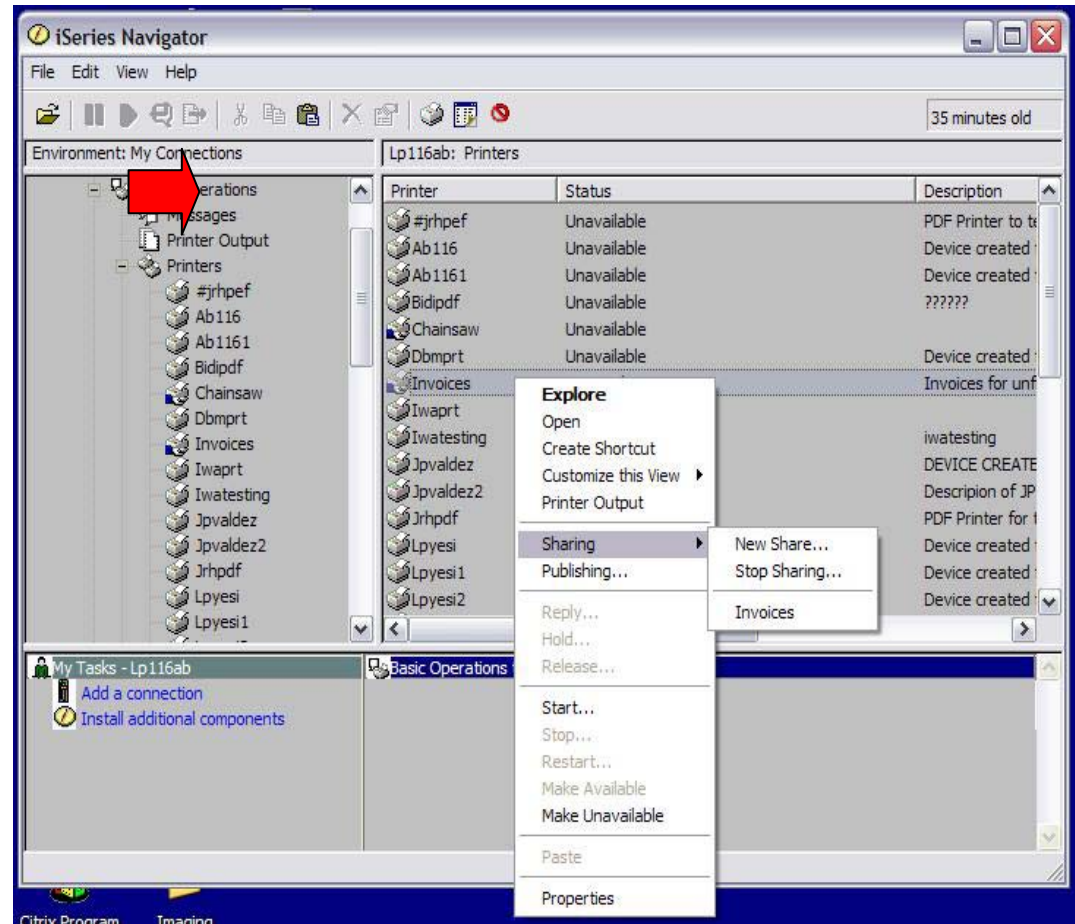


Setting up NetServer Print Shares

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/TWAAFP	Access for Web print share	Advanced function printing	0	Access for Web print share

Done

Internet Printers - Shares

http://<myiseries>/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

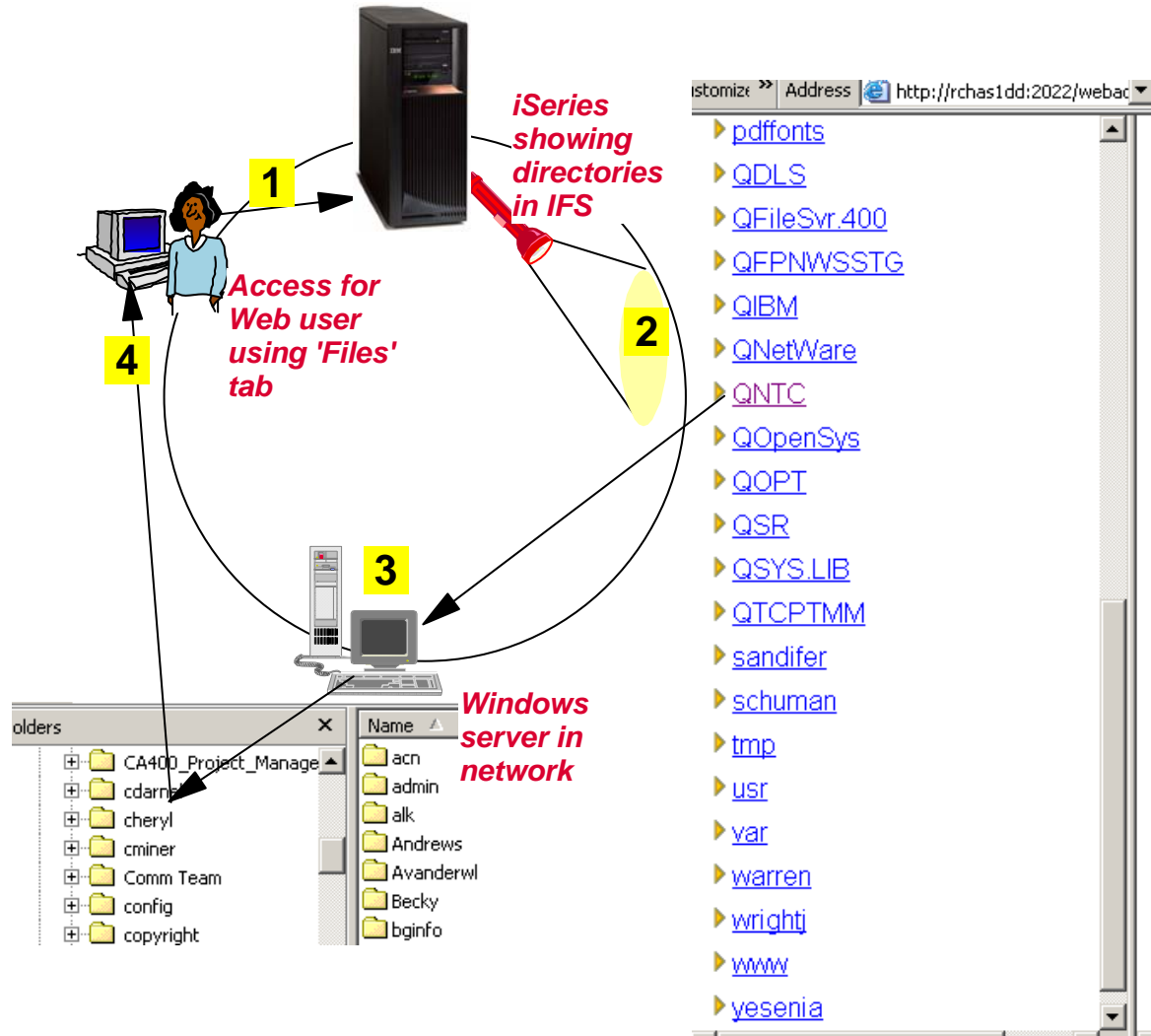
◀◀◀ [1] ▶▶▶ ↻

Tip: Access Files on Other Systems

File systems mounted in the IFS can be accessed

- NFS
- QNTC

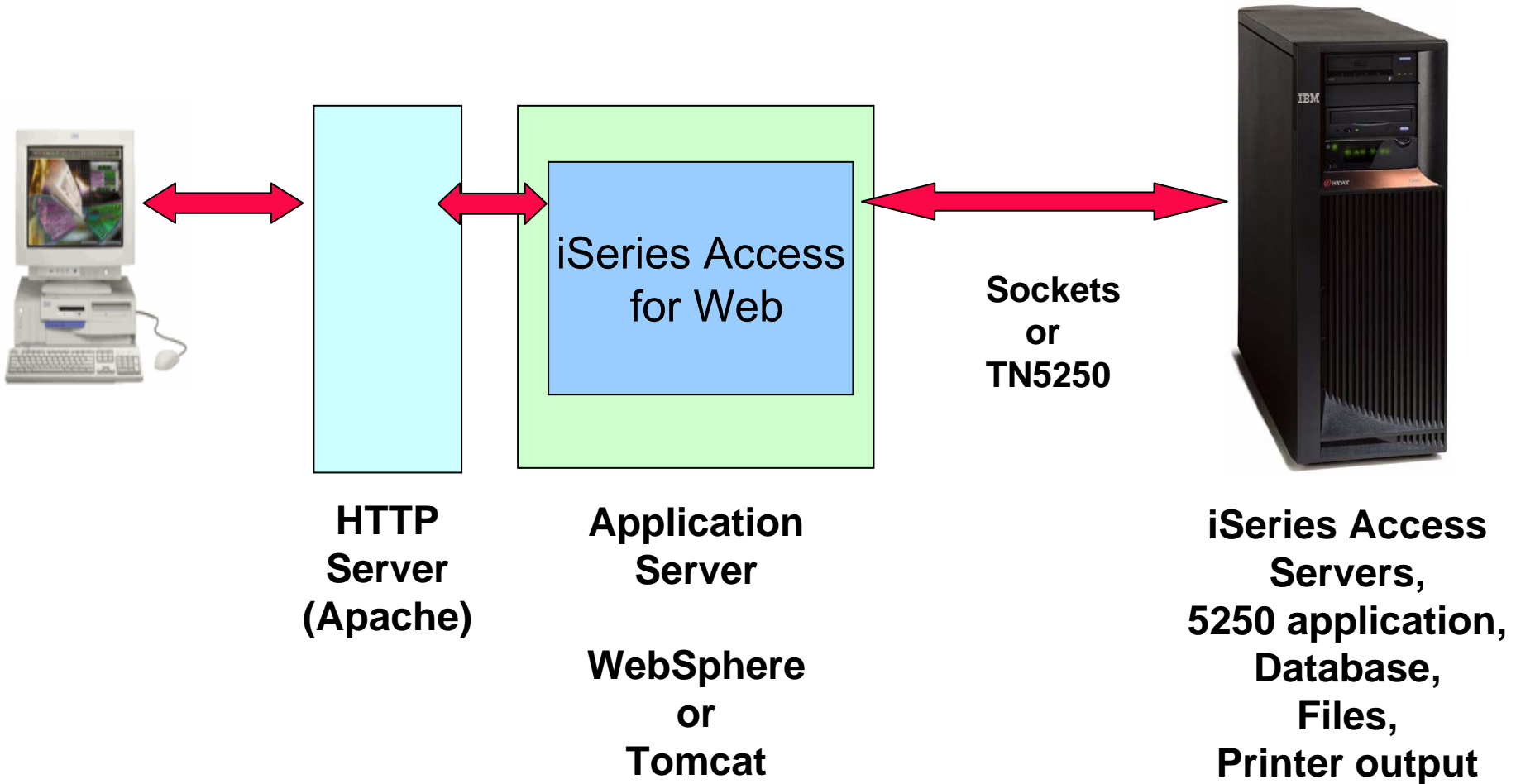
Use files to access files on other file systems





35MI 410068 System i Access for Web – Setup and Configuration

iSeries Access for Web Internal View

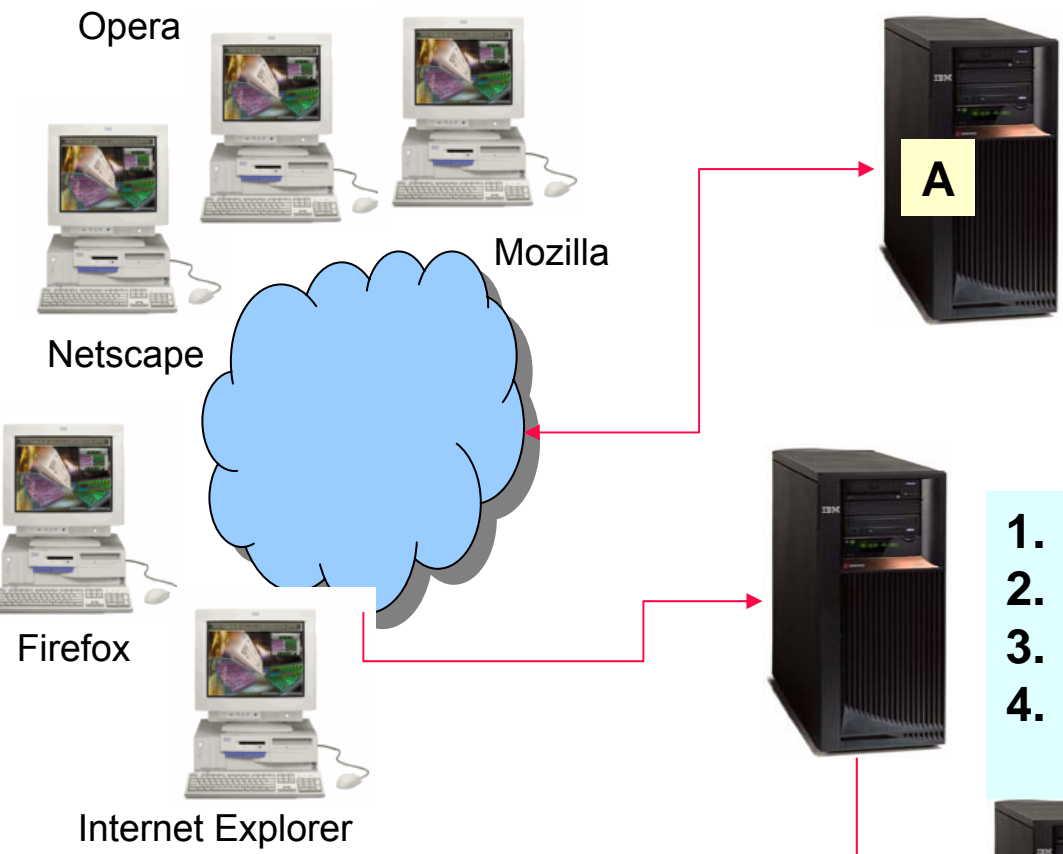


Connection Setups

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

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

The screenshot shows the 'iSeries Access for Web' interface. On the left is a navigation menu with options like 'My Home Page', 'My Folder', 'Print', 'Messages', 'Jobs', '5250', 'Database', 'Files', 'Command', 'Download', 'Customize', and 'Other'. The main area is titled 'Start Session' and contains fields for 'Server' (MYISERIES.RCHLAND.IBM.COM), 'Port' (23), and 'Code page' (37). There are sections for 'Workstation ID' with radio buttons for 'Use user ID' and 'Specify workstation ID', and checkboxes for 'Avoid duplicates for this user' and 'Avoid duplicates with other users'. A 'General' section includes an 'Initial macro' dropdown, a checked 'Bypass signon' checkbox, and an unchecked 'Display HTML data in fields' checkbox. A 'Start Session' button is at the bottom. Below the button are links for 'Active sessions' and 'Configured sessions'.

Database

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

The screenshot shows the 'iSeries Access for Web' interface with the 'Edit Policies - Database Connections' panel. The left navigation menu is the same as in the previous screenshot. The main area shows 'Profile: CMINER' and 'Default connection: IBM Toolbox for Java - RCHLAND.IBM.COM'. Below this is a table of database connections.

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

Supported Web Application Servers

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

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

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

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

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

Two pieces relate to iSeries Access for Web:

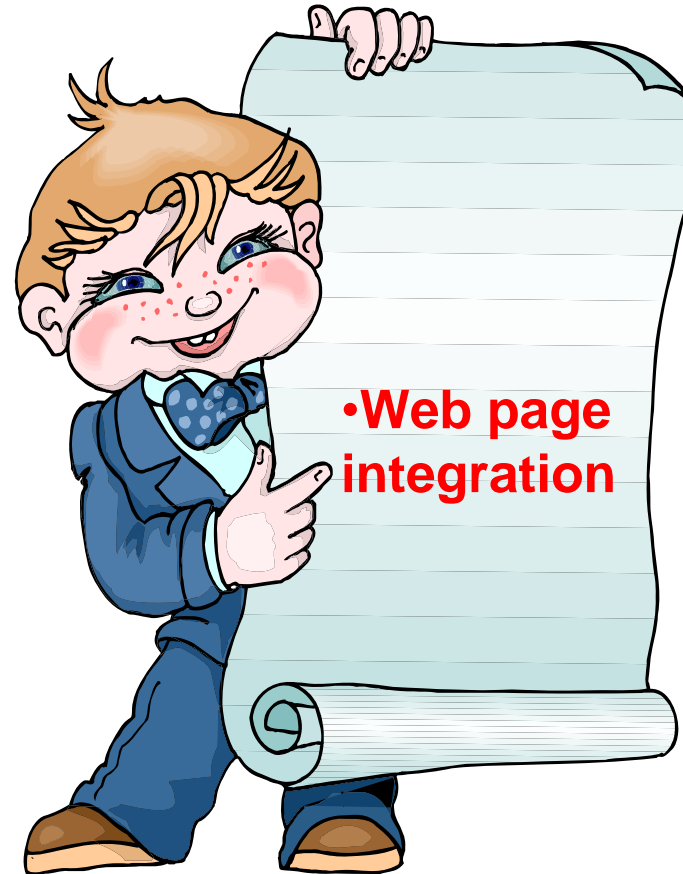
- **iSeries Access for Web supports the use of a Web application server integrated with i5/OS.**
 - **Configure iSeries Access for Web without having to install or configure a Web Application server**

- **Web Enablement for i5/OS: Express Runtime Environment**
 - **Auto configure of Web servers, components, applications using WAS – Express V6.0**
 - **iSeries Access for Web is part of the environment**

PTFs required:

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

Tips on Web Integration



44MN 420016 Build a Home Page to i5/OS using System i Access for Web

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***

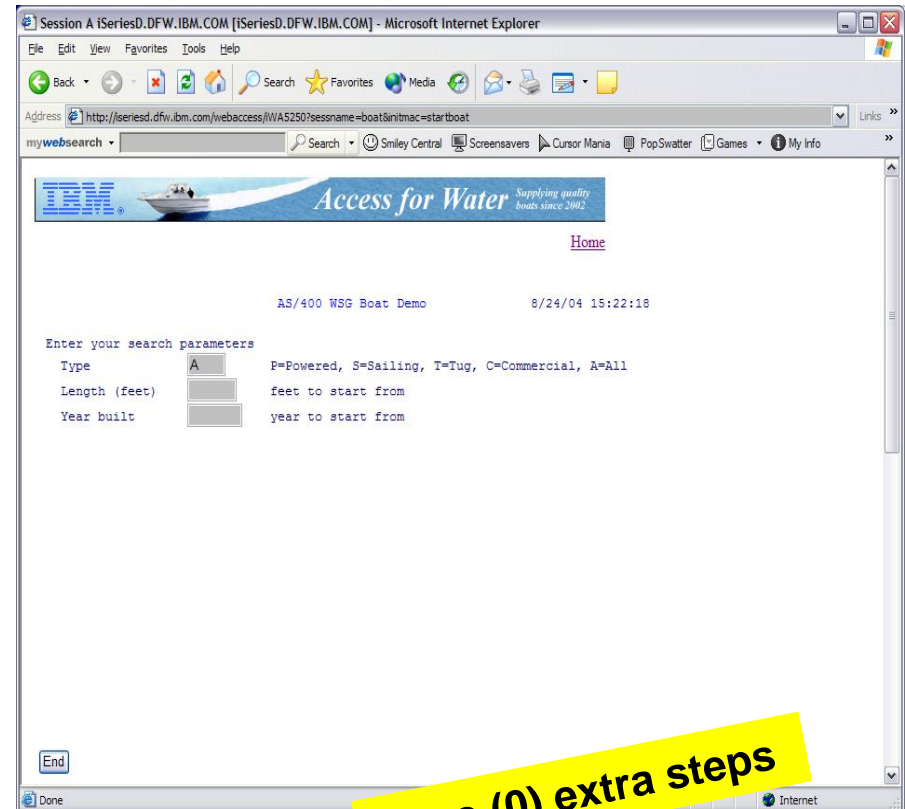
Using 5250 emulator in Access for Web

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

Pub: System iNEWS

Date: October 01, 2006

Printer Friendly

Related Topics:

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

Other Articles By:
Weber, Janet

Article Feedback:

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

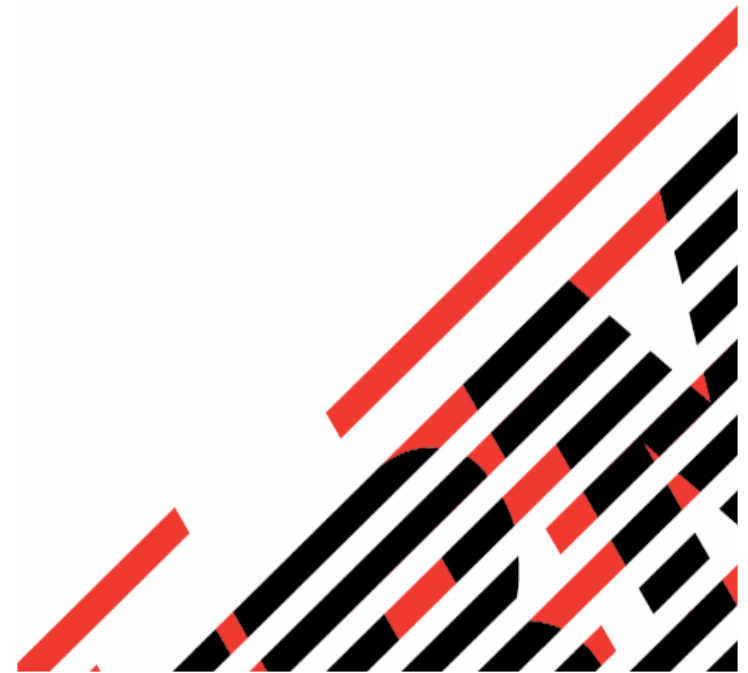
iSeries Access Documentation

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

36MF 440281 Run 5250 through a Browser using System i Access for Web

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'

2. Select 'Configured Sessions'

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

1

iSeries Access for Web

Start Session

Server
 Server: MYISERIES.RCHLAND.IBM.COM
 Port: 23
 Code page: 37

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

General
 Initial macro:
 Bypass signon
 Display HTML data in fields

Start Session

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

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

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

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

3

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.

The screenshot shows the iSeries Access for Web interface. The top navigation bar includes "User: cminer1" and "System: RCHLAND.IBM.COM". The main content area is titled "MAJOR Major Command Groups" and "System:". Below this, there is a list of command groups with a "Select one of the following:" prompt. The list includes: 1. Select Command by Name (SLTCMD), 2. Verb Commands (VERB), 3. Subject Commands (SUBJECT), 4. Object Management Commands (CMDOBJMGT), 5. File Commands (CMDFILE), 6. Save and Restore Commands (CMDSAVRST), 7. Work Management Commands (CMDWRKMGT), 8. Data Management Commands (CMDDTAMGT), 9. Security Commands (CMDSEC), 10. Print Commands (CMDPRT), 11. Spooling Commands (CMDSPL), 12. System Control Commands (CMDSYSCTL), and 13. Program Commands (CMDPGM). A "More..." link is visible at the bottom right of the list. Below the list, there is a "Selection or command" input field with a "====>" prompt. At the bottom, there are function key definitions: F3=Exit, F4=Prompt, F9=Retrieve, F12=Cancel, F13=Information Assistant, and F16=Major menu. The copyright notice "(C) COPYRIGHT IBM CORP. 1980, 2005" is at the very bottom.

This screenshot is identical to the one above, showing the same iSeries Access for Web interface. However, the text in the command list and the "Selection or command" field is rendered in a fixed-width font, making the columns align more precisely. The rest of the interface, including the navigation bar, prompts, and function key definitions, remains the same.

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

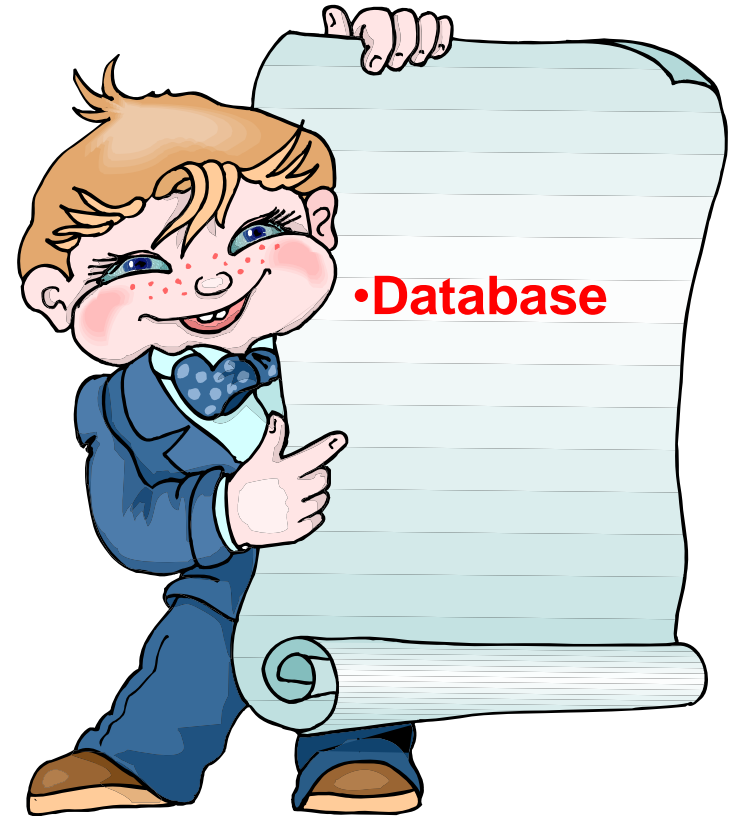
Defaults:

- 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 includes a 'System:' label. A sidebar on the left contains navigation options: 'My Home Page', 'Print', '5250', 'Active sessions', 'Configured sessions', 'Start session', 'Database', and 'Files'. Below these are 'Related Links' for 'iSeries Access for Web', 'iSeries Access', 'iSeries Navigator', 'iSeries Information Center', and 'iSeries Resource Library'. The main content area prompts the user to 'Select one of the following:' and lists 11 numbered 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 list is a 'Selection or command' input field. At the bottom of the menu area are buttons for 'Exit', 'Prompt', 'Retrieve', 'Cancel', 'Information As', and 'Set initial menu'. A status bar at the bottom shows 'Command MAJOR in library *LIBL not found.', '37', and several function key buttons: 'Attention', 'Refresh Screen', 'Field Exit', and 'Page Up'. On the right side, system statistics are displayed: '01/18/06 11:54:32', 'Active jobs: 378', 'CPU %: .0', and 'Elapsed time: 00:00:00'. A secondary window is open, showing 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. Below the table are 'Parameters or command' and 'More...' options, along with a list of function key shortcuts: F3=Exit, F5=Refresh, F7=Find, F10=Restart statistics, F11=Display elapsed data, F12=Cancel, F23=More options, and F24=More keys.

Tips on Data Exchange



32MI 409160 Database Access with System i Access for Web

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.

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. At the top, it displays 'User: cminer1 System: RCHLAND.IBM.COM'. The main heading is 'Import Query'. Below the heading, there is a text box explaining that the query file will be converted to an iSeries Access for Web database request. A note states: 'Note: 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:' field with a 'Find...' button, a 'Query type:' dropdown menu set to 'DB2 UDB for iSeries Query Manager (*QMQRy)', and a 'Query file CCSID:' dropdown menu set to 'DB2 UDB for iSeries Query Manager (*QMQRy)'. An 'Import Query' button is located at the bottom of the form. On the left side, there is a navigation menu with options like 'My Home Page', 'Print', '5250', 'Database' (with sub-options like 'Tables', 'My requests', 'Run SQL', 'Copy data to table', 'Import request', 'Import query', 'Extract server data'), and 'Files'. At the bottom left, there are 'Related Links' including 'iSeries Access for'.

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



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 Sever 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**

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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