



IBM System i™

Session: **25A**

2007 System i and AS/400 Connection Conference

System i Access for Web: Tips and Techniques

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

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IBM System i




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



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

Print <ul style="list-style-type: none"> • Printer output • PDF Printer output • Printers • PDF Printers • Internet Printers • Internet Printer Shares • Printer shares • Output Queues 	Database <ul style="list-style-type: none"> • Tables • My Request • Run SQL <ul style="list-style-type: none"> – Open Office Formats • Copy Data to Table • Import Requests <ul style="list-style-type: none"> – iSeries Access for Windows – Query Manager – Query/400 • Extract Server Data 	Commands <ul style="list-style-type: none"> • Run commands • My commands • Search Messages <ul style="list-style-type: none"> • Display Messages • Send Messages • Sametime • Operator Messages • Message Queue My Personal Folder	Customize <ul style="list-style-type: none"> • Preferences • Policies • Settings • Transfer configuration Download
5250 <ul style="list-style-type: none"> • Active Sessions • Start 5250 Session • Bypass Sign-on 	Files <ul style="list-style-type: none"> • Browse Files • Browse File Shares • File Shares 	Jobs <ul style="list-style-type: none"> • User Jobs • Server Jobs 	Other <ul style="list-style-type: none"> • Bookmarks • Change Password • Connection Pool Status • Trace • About

Items marked in red are new in the V5R4 version.


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V5R4 System i Access for Web Enhancements

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


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Control User Access to functions



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Control User Access to functions

My Home Page
My Folder
Print
Messages
Jobs
5250
Database
Files
Command
Download
Customize
· Preferences
· Policies
· Settings
· Transfer configuration
Other

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

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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

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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
<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

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Recommendations for Setting Up Policies

Do as much customization as you can using *PUBLIC

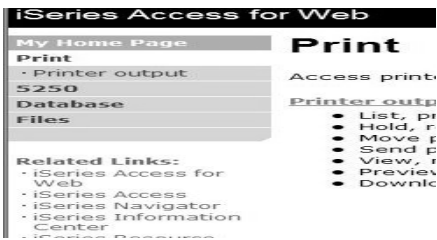
Examples:

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

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

Example: Create "Office" group

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



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

Shipped look

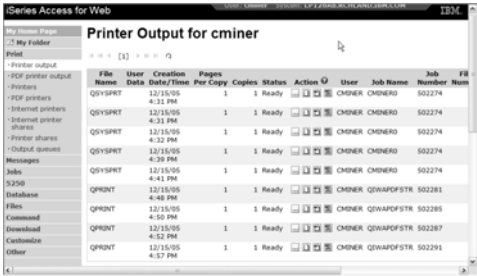
- 15 columns
- Multiple Actions

Display only attributes that make sense for your users

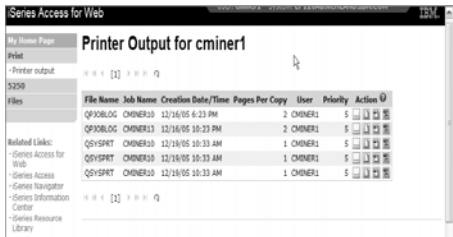
- Fits on one screen

Use Policies / Preferences to remove attribute columns

Use Policies to modify the Action options



→



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Set Policy to Default to Specific Directory in IFS

Set a 'Default Directory' for:

- *PUBLIC
- Groups of users
- Specific user

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	/cmner1
Display subdirectory contents	Shipped default	Use current setting	Allow
Display parent directory contents	Shipped default	Use current setting	Allow
Display default	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...

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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

Policies - User Profiles

Profile	Description	Action
CMNER	Carole Hines/Schuster/SHAPORUS	[Icons]

Copy Policies

Specify one or more profiles to copy policies to, separated by commas.

From profile: OFFICE

To profiles: [Input field] [Add...]

Overwrite existing policies

[Copy Policies]

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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.

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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



Transfer ownership 

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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'

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Customization Settings

The way it looks when first installed

Use Current Setting

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

Apply setting to profile

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

Reset to default

- Go back to default shipped setting

'Reset to default' added when setting changed

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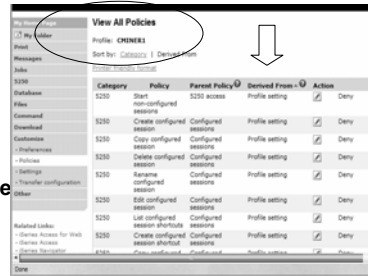
View All Policies set for User or Group

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



Tips on Mail



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Integrate User's email with System i Access for Web

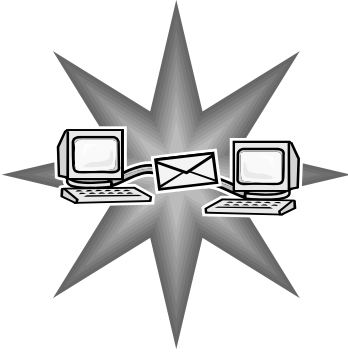
Can send results of the following System i Access for Web functions:

- 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



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Users can easily email results

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

Working with PDF printer output

Database

iSeries Access for Web

Run SQL

SQL Statement

```
SELECT *
FROM "QGPL"."QSALERECD"
```

SQL Output

Type: Preview

Destination: Browser

Format: Mail as attachment

Date: 1/26/05

Time: 3:08:57 PM

Mail output

iSeries Access for Web

PDF Output Settings

Destination: Browser

Advanced

- Browser
- Mail as attachment
- Personal folder
- Output Queue

Run

iSeries Access for Web

Directory Contents / CMINER

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

Name	Size (bytes)	Type	Modified	Action
./ (Parent Directory)				
QD8C_VSRS.zip	15133129	File	12/22/05 3:21:39 PM	
sqlOutput.html	816	File	12/22/05 5:35:42 PM	
sqlOutput.pdf	2543	File	12/22/05 5:38:59 PM	

IFS File System

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Send your e-mail

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

Convert Printer Output to PDF

From: cminer@us.ibm.com

To:

cc:

bcc:

Subject:

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

Send Cancel

Your email address plugged in for you...

...see PDF attachment there...

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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

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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

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

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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'

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	

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

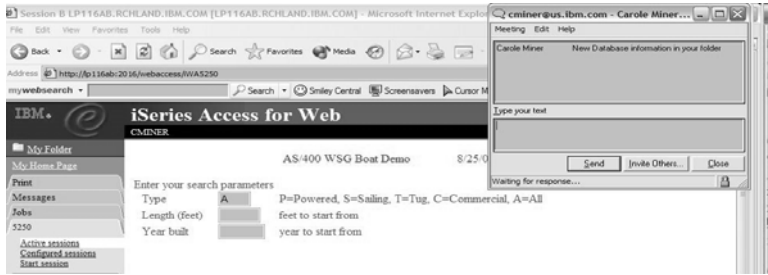
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Integration with Lotus Sametime

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



The screenshot shows the iSeries Access for Web interface with a search page for 'AS/400 WSG Boat Demo'. A Sametime message window is overlaid on top, titled 'cmminer@us.ibm.com - Carole Miner...'. The message content reads: 'Carole Miner New Database information in your folder'. Below the message is a text input field and buttons for 'Send', 'Invite Others', and 'Close'. A status bar at the bottom of the message window says 'Waiting for response...'.

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.

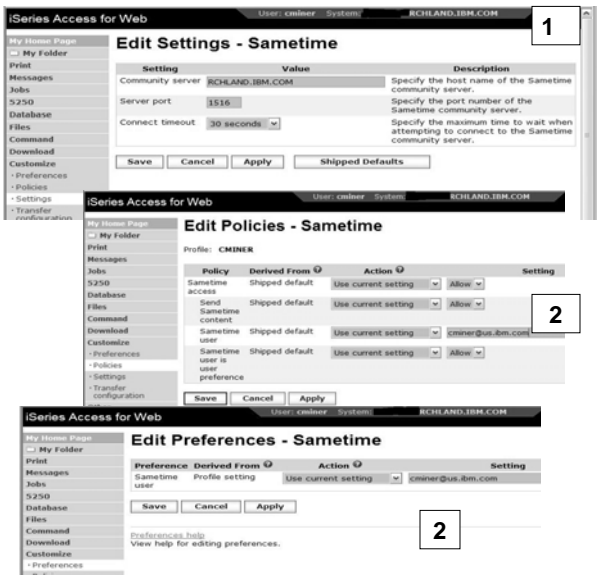
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Setup needed to integrate use of Sametime

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



The three screenshots illustrate the configuration process:

- Edit Settings - Sametime:** This screen allows for global configuration. The 'Community server' is set to 'RCHLAND.IBM.COM', the 'Server port' is '3516', and the 'Connect timeout' is '30 seconds'. A description for the community server setting states: 'Specify the host name of the Sametime community server. Specify the port number of the Sametime community server. Specify the maximum time to wait when attempting to connect to the Sametime community server.'
- Edit Policies - Sametime:** This screen shows policies for the user 'CMINER'. It lists several policies: 'Sametime access', 'Send Sametime content', 'Sametime user', and 'Sametime user is preference'. Each policy has a 'Derived From' value of 'Shipped default' and an 'Action' of 'Use current setting'. The 'Setting' column shows values like 'Allow' or 'cmminer@us.ibm.com'.
- Edit Preferences - Sametime:** This screen shows user-specific preferences. The 'Preference' is 'Sametime user', derived from 'Profile setting', with an 'Action' of 'Use current setting' and a 'Setting' of 'cmminer@us.ibm.com'.

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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

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

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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>
```

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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

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

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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

A cartoon character in a suit and bow tie is holding a large scroll that says "Other".

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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?

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

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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...

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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

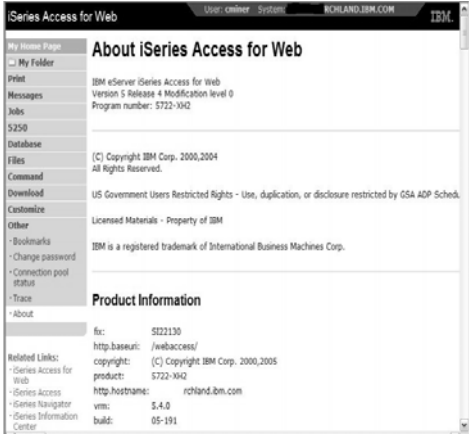
System i Access for Web properties

- IBM Toolbox for Java properties
- Connection pool settings

File Content Type Map

System Properties

And more... 



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

Way down at the end of 'Other'

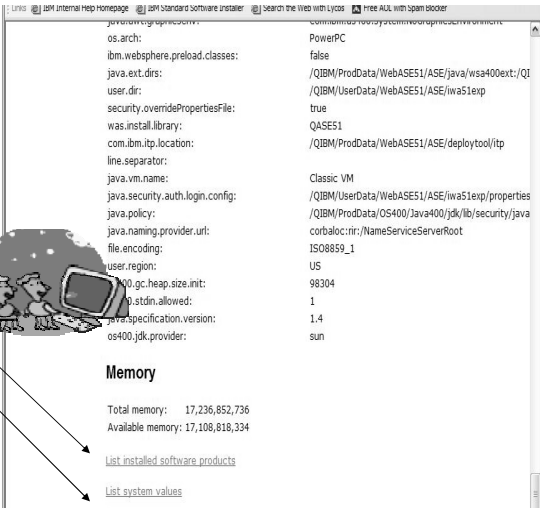
Memory

List installed software products on System i

- List Software fixes installed

List system values

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



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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 applicable including the following on each fix:
 - General Information
 - Symptoms
 - Cover Letter

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Tips on Print

- Print
- Printer Output
- Printers

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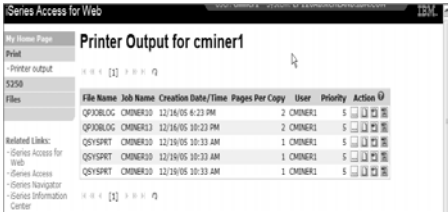
Printer Output

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 -->



File Name	Job Name	Creation Date/Time	Pages Per Copy	User	Priority	Action
QPXBLOG	CMINER1	12/16/05 8:23 PM	2	CMINER1	5	[Icons]
QVSYSPRT	CMINER1	12/16/05 10:33 AM	1	CMINER1	5	[Icons]
QVSYSPRT	CMINER1	12/16/05 10:33 AM	1	CMINER1	5	[Icons]
QVSYSPRT	CMINER1	12/16/05 10:33 AM	1	CMINER1	5	[Icons]



File Name	Job Name	Creation Date/Time	Pages Per Copy	User	Priority	Action
QVSPALB	QVX738	10/4/05 8:23 AM	7	WARRENA	5	[Icons]

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

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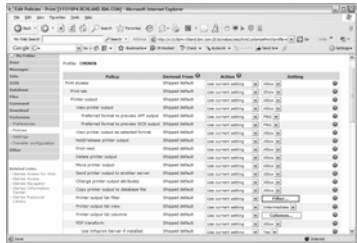
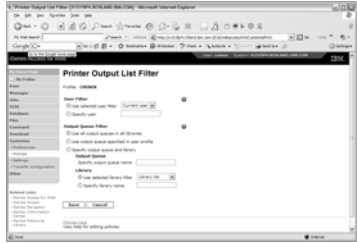
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See All Spooled Files on the System i

Need System i Access for Web V5R4 and PTF SI23024 or later,

Can set a default filter to see all spooled files.

- Under User Filter, make sure the radio button for 'Use selected user filter' is selected and select 'All users' for the list.
- Then click the Save button.
- Click the Save or Apply button on the Printer category page as well

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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

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Tip: Take Advantage of Printer Views

Basic (default)

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

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

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IBM InfoPrint Server

http://www.printers.ibm.com/internet/wwwsites.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

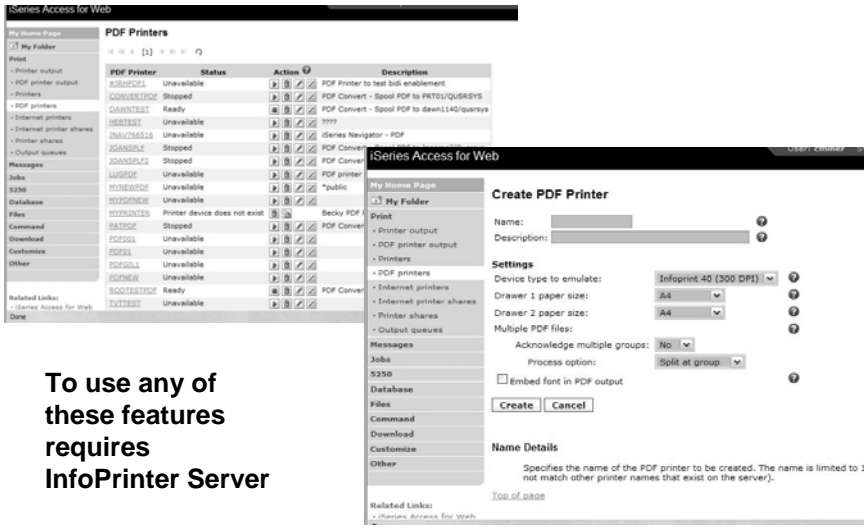
- Use PDF printer output to access your PDF printer output
- Use PDF printers to access PDF printer output by printer

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Create PDF Printer, PDF Printers, PDF Printer Output



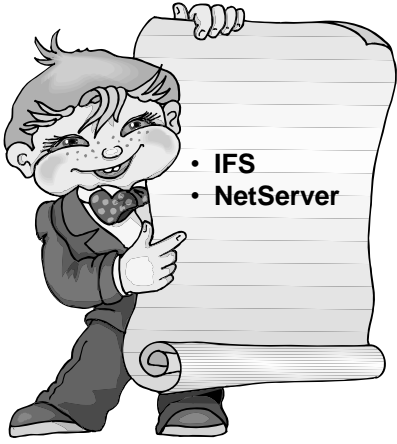
To use any of these features requires InfoPrinter Server

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Tips on File Serving



- IFS
- NetServer

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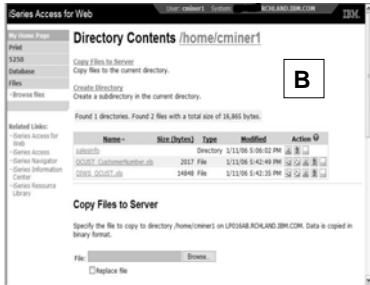
IFS – Use as a File Server

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

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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



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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



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Tip: Display Directory Content in New Window

The screenshot shows the 'Directory Contents / home' window. On the left is a navigation pane with folders like \$BEACH, \$BLDJAVA, \$BLDSHIP, \$BLDTEST, aliciam, \$SETTomcat, bin, boats, BVTFolder, CUSTINFO, dev, Directory1, Directory2, directoryForLogs, dib, DLNKTEST, emig, gtc, gjompf, and isang. The main pane shows a table of directory contents:

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	
cmmer		Directory	1/11/06 5:08:59 PM	
cmmer1		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	
Erica		Directory	4/4/05 11:32:11 AM	
jhanson		Directory	10/4/05 10:57:05 AM	
isang		Directory	8/18/05 10:47:50 AM	

To the right, a 'Result' window is open, showing 'Edit Policies - Files'. A white arrow points to the 'Display directory contents in new window' policy setting, which is currently set to 'Shipped default'.

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System i NetServer

System i Support for Windows Network Neighborhood

Print PC output on System i printers

Store/Share PC data in IFS

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

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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 NetServer File Shares' interface. It features a sidebar with navigation options like 'My Home Page', 'My Folder', 'Print', 'Messages', 'Jobs', 'Database', 'Files', 'Command', 'Download', 'Customize', and 'Other'. The main content area displays a table of shares:

Share Name	Description	User Count	Permission
BYTSHARE	BVT	0	Read Only
CAROLEMINER	Carole Miner Work Directory	0	Read / Write
QDQSRV	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
YESANDA		0	Read / Write
YESI		0	Read / Write

Related Links:

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

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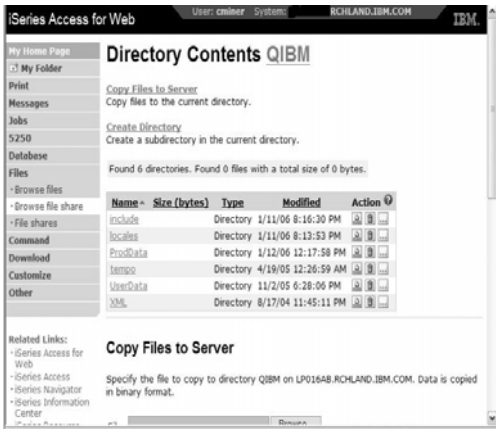
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Browse Files Share (new in V5R4)

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 displaying the 'Directory Contents QIBM' view. It includes a sidebar with navigation options and a main content area with the following information:

Copy Files to Server
Copy files to the current directory.

Create Directory
Create a subdirectory in the current directory.

Found 6 directories. Found 0 files with a total size of 0 bytes.

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]

Related Links:

Copy Files to Server
Specify the file to copy to directory QIBM on LP01648.RCHLAND.IBM.COM. Data is copied in binary format.

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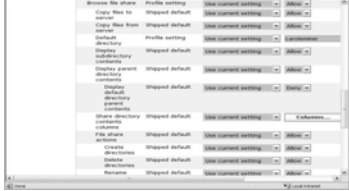
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Browse File Share with Policy setting


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



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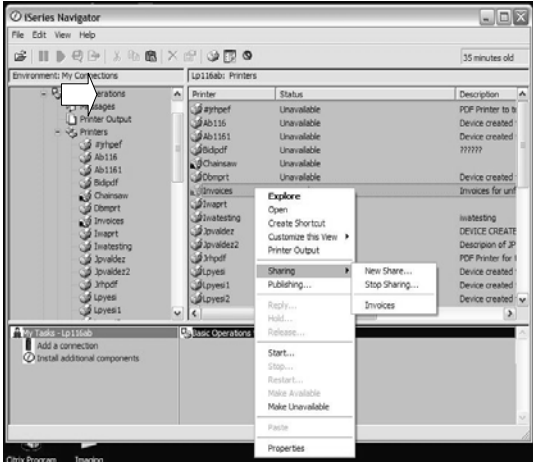
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Setting up NetServer Print Shares

Use iSeries Navigator to set up Print Shares for your users

Click on

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



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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

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		0	Advanced function printing
PRINTER	QUSRSYS:PRINTER		Auto-select	0	INTERNET PRINTER (GDL TEST)
PRT116ABS	QUSRSYS:PRT116AB		Auto-select	0	DEVICE CREATED FOR LP116AB.
WEBSHARE	QUSRSYS:IWAAEP	Access for Web print share		0	Access for Web print share

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Internet Printers - Shares

<http://<myiseries>/webaccess/iWAIPPSHares>

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

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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

The diagram illustrates the process of accessing files on other systems. It shows three main components: a user (1), an iSeries server (2), and a Windows server in a network (3). The user is shown accessing the iSeries server via a web browser. The iSeries server is shown showing directories in the IFS (4). The Windows server is shown in a network environment. A browser window on the right displays a list of directories including pdffonts, QDLS, QFileSvr.400, QFPNWSSTG, QIBM, QNetWare, QNIC, QOpenSys, QOPT, QSR, QSYS.LIB, QTCPTMM, sandifer, schuman, tmp, usr, var, waltren, wrightj, www, and yesenia.

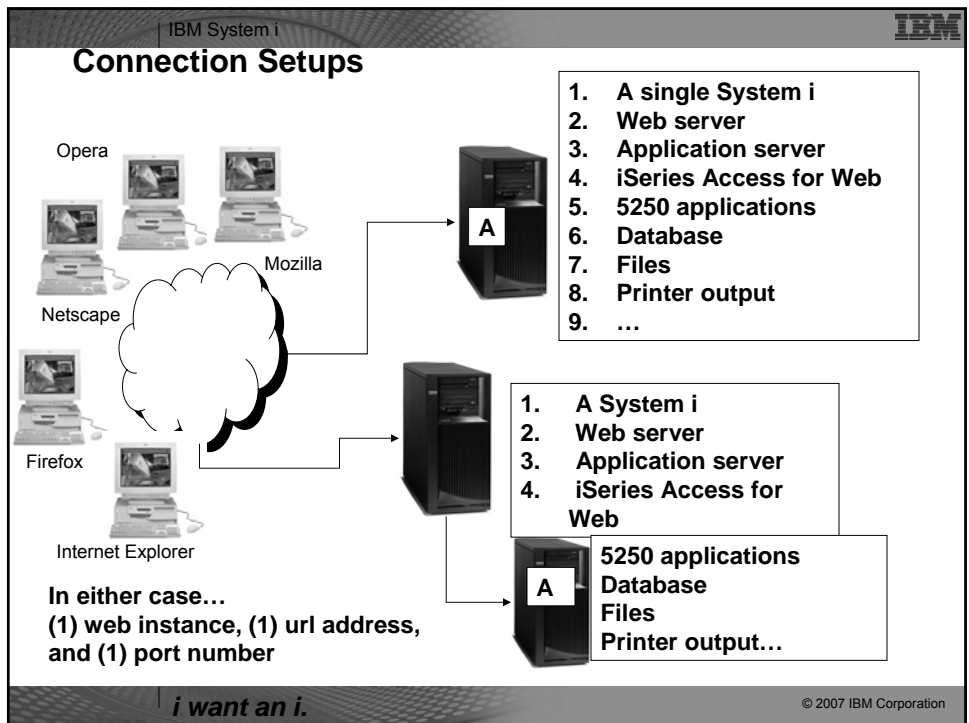
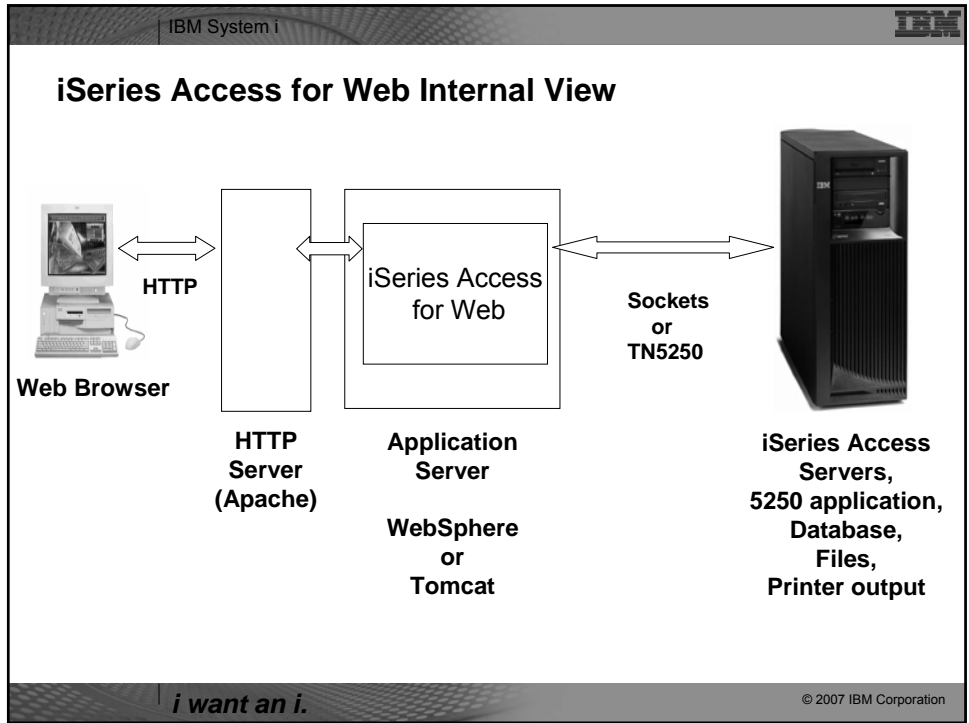
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Setting up your web serving environment

<http://www>

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Access from Internet

Ports 5001, 5002, 5003

Host Server ports

Web environment on i5/OS A is started

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

System i 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.

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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.

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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

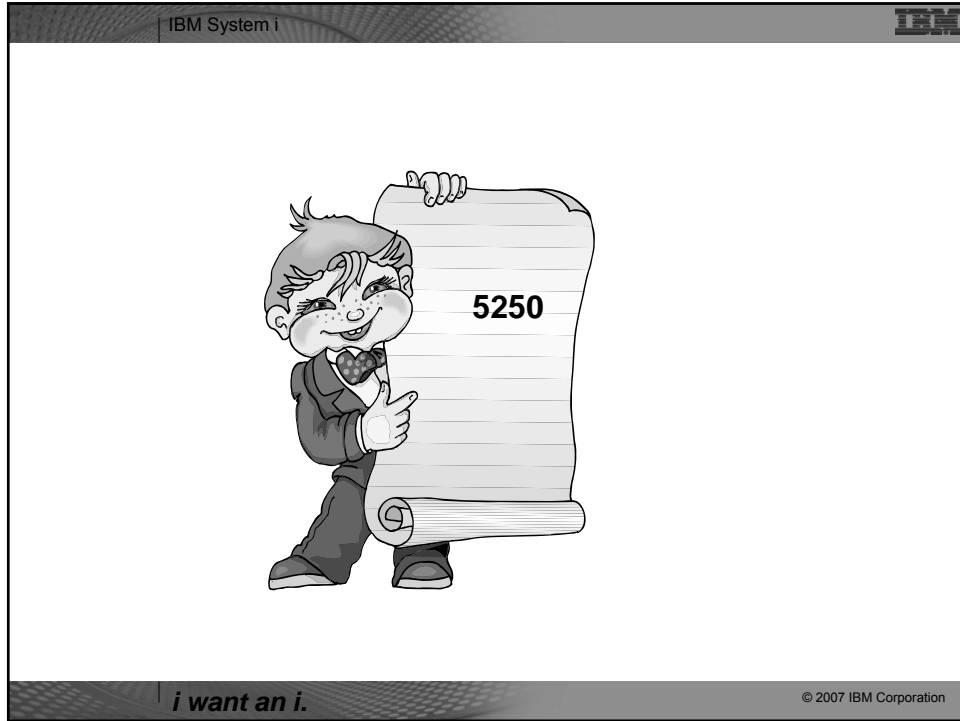
October 10 Announcement: “System i Web Enablement Made Easy”

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>



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'

Start Session

Server: RCHLAND.IBM.COM

Workstation ID: []

Use user ID: []

Display workstation ID: []

Avoid duplicates for this user: []

Avoid duplicates with other users: []

Initial search: []

Progress signon: []

Display HTML data in fields: []

Start Session

Active session: Work with your active sessions.

Configured sessions: Work with your configured sessions.

Configured Sessions

Session	Server	Action	Shortcut	Created By	Access
Inventory	RCHLAND.IBM.COM	[] [] [] [] [] []	No	cmner	cmner
Payroll	RCHLAND.IBM.COM	[] [] [] [] [] []	No	cmner	cmner
5250	RCHLAND.IBM.COM	[] [] [] [] [] []	Yes	smshao	*PUBLIC
Shortcut to demo	RCHLAND.IBM.COM	[] [] [] [] [] []			

Configure new session

Configure a new session.

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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

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

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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 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

Color	Web	Traditional
Black	Black	Black
Blue	Blue	Blue
Green	Green	Green
Cyan	Cyan	Cyan
Red	Red	Red
Magenta	Magenta	Magenta
Brown	Yellow	Brown
White	Gray	White

Operator information area (OIA)

Color: Black

Background colors

The inverse background color is used.

Color: Black

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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.

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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

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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

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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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