



IBM System i™

iSeries Access for Web: Tips and Techniques

<http://www.ibm.com/eserver/series/access/web>

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

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



Functional enhancements can be submitted via the FITS system. The url is:
<http://www.ibm.com/eserver/series/access/>
And click on link “[Request for Design Change](#)”

iSeries Access for Web

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

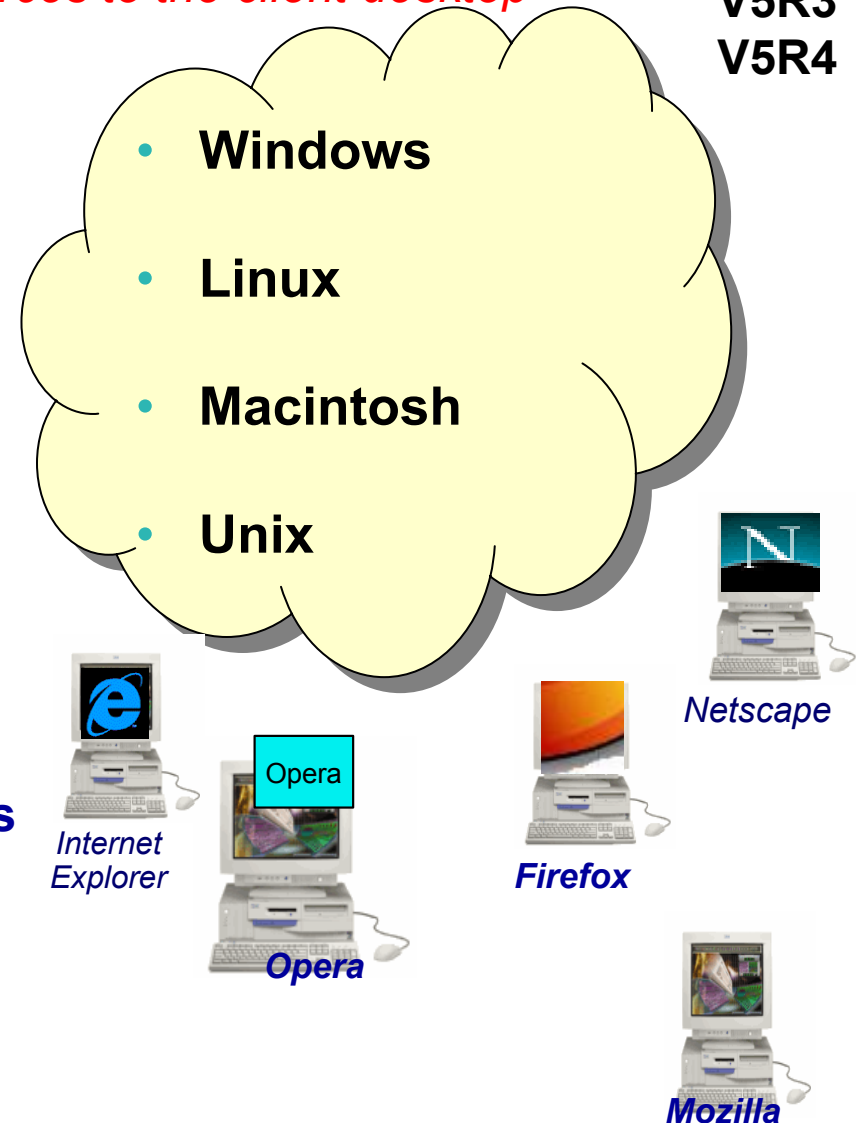
**i5/OS
V5R3
V5R4**

Provides access to iSeries through a browser

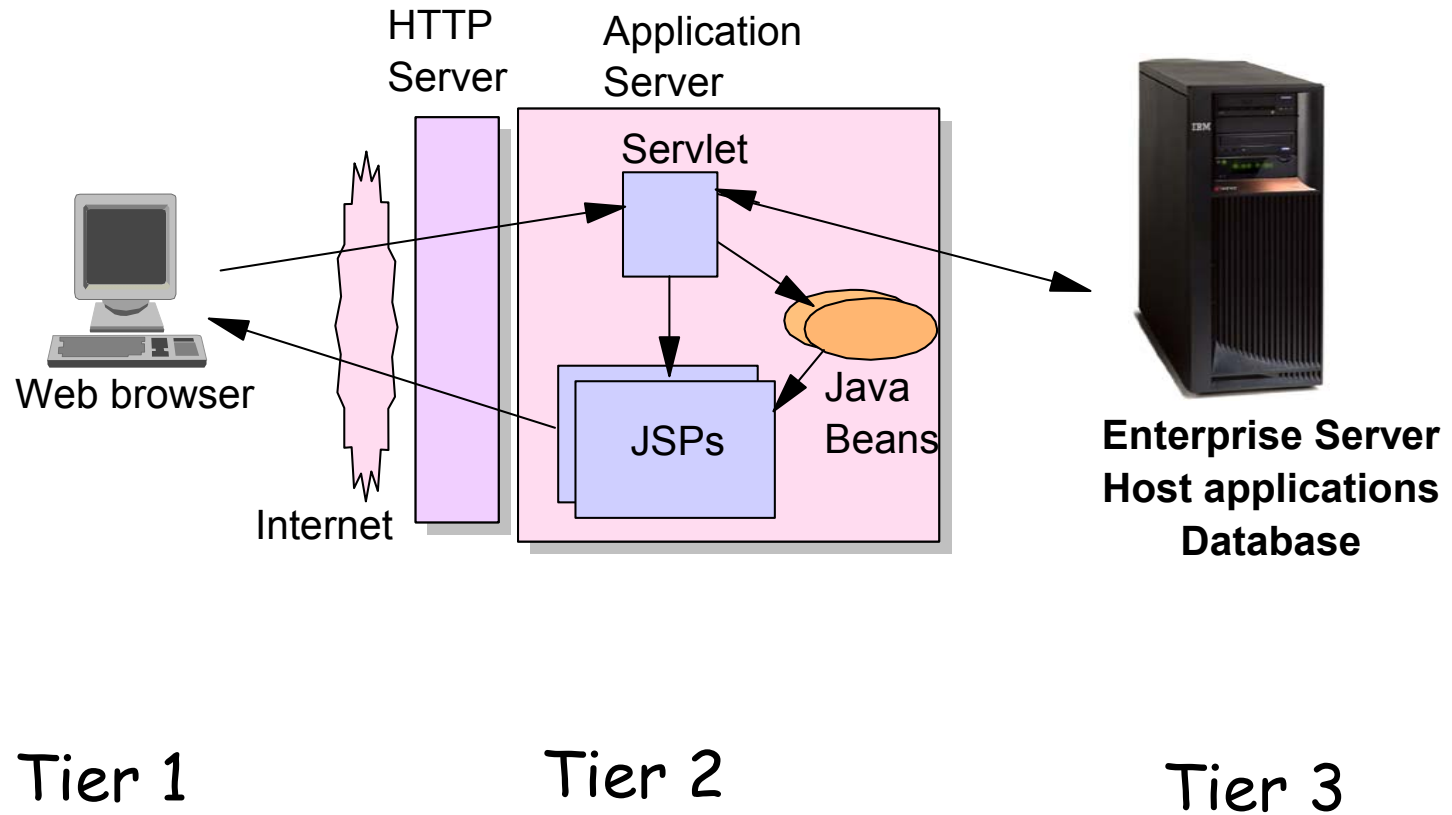
- **5250 access**
- **Access to database, integrated file system, printers, output queues, jobs**
- **Can run batch commands and send/receive messages**

It has the following advantages:

- **Is server based**
- **Requires only a browser on the client, no configuration required at desktop, no applets installed on desktop**
- **Uses industry standard protocols - HTTP, HTTPS and HTML**



First you need a web application server



Supported Web Application Servers

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

- **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**

The 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

July 2006 PTFs required for WAS 6.1, WSE V2.6, Portal 6.0:

<http://www.ibm.com/eserver/iseries/access/web/servicepacks.html>

Functions you can perform with iSeries 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**

Files

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

Messages

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

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

Commands

- Run commands
- My commands
- Search

My Personal Folder

Jobs

- User Jobs
- Server Jobs

Customize

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

Download

Other

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

Items marked in red are new
in the V5R4 version

iSeries Access for Web has many entry points

Can enter at many different pages

Can use navigation bar to move from function to function

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

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

The screenshot shows the main page of iSeries Access for Web. 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 main area contains a 'Sign On' section with fields for User, Password, Program/procedure, Menu, and Current library. System information is displayed: System: ISERIESD, Subsystem: QINTER, Display: QPADEV0018. A disclaimer states: 'IBM's internal systems must only be used for conducting IBM's business or for purposes authorized by IBM management.' At the bottom, there are buttons for Attention, Refresh Screen, Field Exit, Page Up, System Request, Stop Session, Reset, and Page Down. A copyright notice '(C) COPYRIGHT IBM CORP. 1980, 2003.' is also visible.

This screenshot shows the 'iWAMain' page. A blue circle highlights the navigation bar on the left, which includes links to My Home Page, My Folder, Print, Messages, Jobs, 5250, Database, Files, Command, Download, Customize, and Other. The main content area features the heading 'iSeries Access for Web' and a welcome message. It lists three key features: 'Pure Java servlet based access', 'Industry standard protocol', and 'Industry standard protocol' (repeated). The text explains that iSeries Access for Web uses standard HTTP and HTTPS protocols instead of proprietary ones, making firewall issues more manageable.

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

The screenshot displays the 'Printer Output for CMINER' page. It features a table with columns for File Name, User Data, Creation Date/Time, Pages Per Copy, Copies, Status, Action, User, and Job Name. The table lists several print jobs, all with a status of 'Ready'. The navigation bar on the left is visible, and the page includes a printer output section with options for PDF printer output and printer shares.

File Name	User Data	Creation Date/Time	Pages Per Copy	Copies	Status	Action	User	Job Name
QSYSPRT		12/15/05 4:31 PM	1	1	Ready	[Icons]	CMINER	CMINERO
QSYSPRT		12/15/05 4:31 PM	1	1	Ready	[Icons]	CMINER	CMINERO
QSYSPRT		12/15/05 4:32 PM	1	1	Ready	[Icons]	CMINER	CMINERO
QSYSPRT		12/15/05 4:39 PM	1	1	Ready	[Icons]	CMINER	CMINERO
QPRINT		12/15/05 4:41 PM	1	1	Ready	[Icons]	CMINER	QIWAPDFSTR
QPRINT		12/15/05 4:48 PM	1	1	Ready	[Icons]	CMINER	QIWAPDFSTR
QPRINT		12/15/05 4:50 PM	1	1	Ready	[Icons]	CMINER	QIWAPDFSTR
QPRINT		12/15/05 4:52 PM	1	1	Ready	[Icons]	CMINER	QIWAPDFSTR
QPRINT		12/15/05 4:57 PM	1	1	Ready	[Icons]	CMINER	QIWAPDFSTR

5250 session

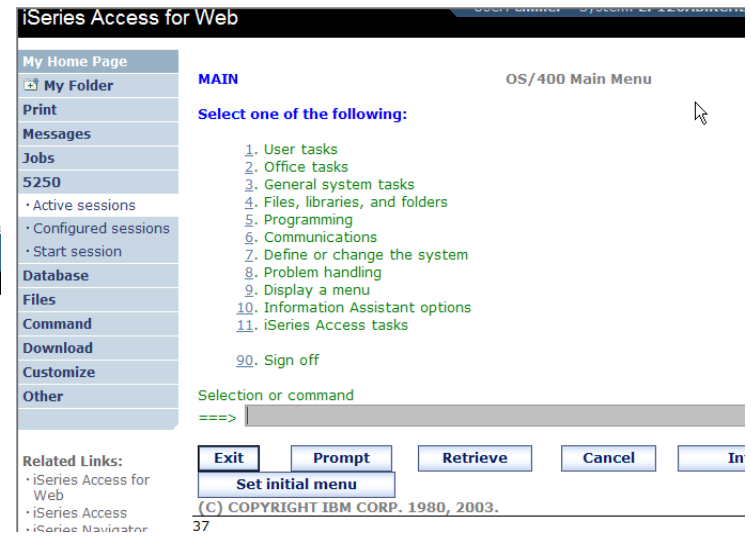
1. Default 'web' look

2. Changed colors, added keypad at side, changed buttons at bottom to words

3. Removed navigation bar, put keypad on top

4. Selected 'traditional' view, removed navigation bar

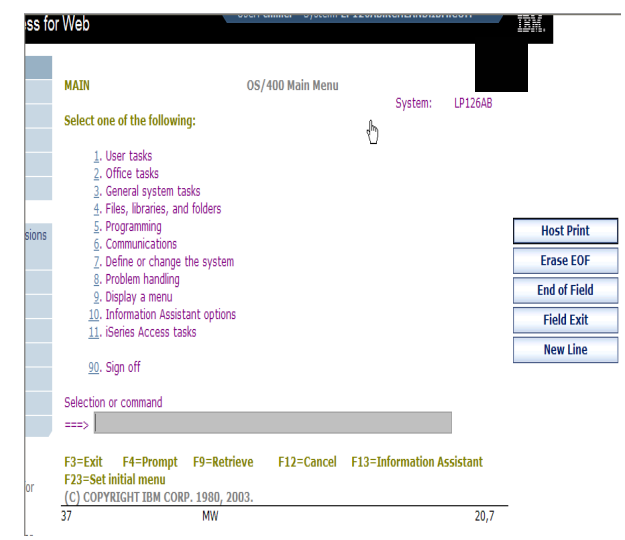
1



2



3



Database: Run SQL

Run SQL allows you to run SQL statements

- Could copy/paste complex SQL statements in here...

Variety of output types

- PDF, Excel, 1-2-3, XML, etc

Destination

- Browser
- Mail as attachment
- Personal Folders
- IFS (new V5R4)

Can save request

- My Requests, Give Shortcut to others

SQL Wizard if you don't know SQL

iSeries Access for Web

Run SQL

SQL Statement

```
SELECT
"BCOST", "BYEAR", "BTYPE", "BNAME", "BFEET", "BNT01"
FROM
BOATS.BOATS
WHERE
( ("BCOST" > 10000) )
```

SQL Wizard

SQL Output

Type: Microsoft Excel XML (.xml) Settings

Destination: Mail as attachment Settings

Format

Date: 12/23/05

Time: 10:16:44 AM

Connection

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

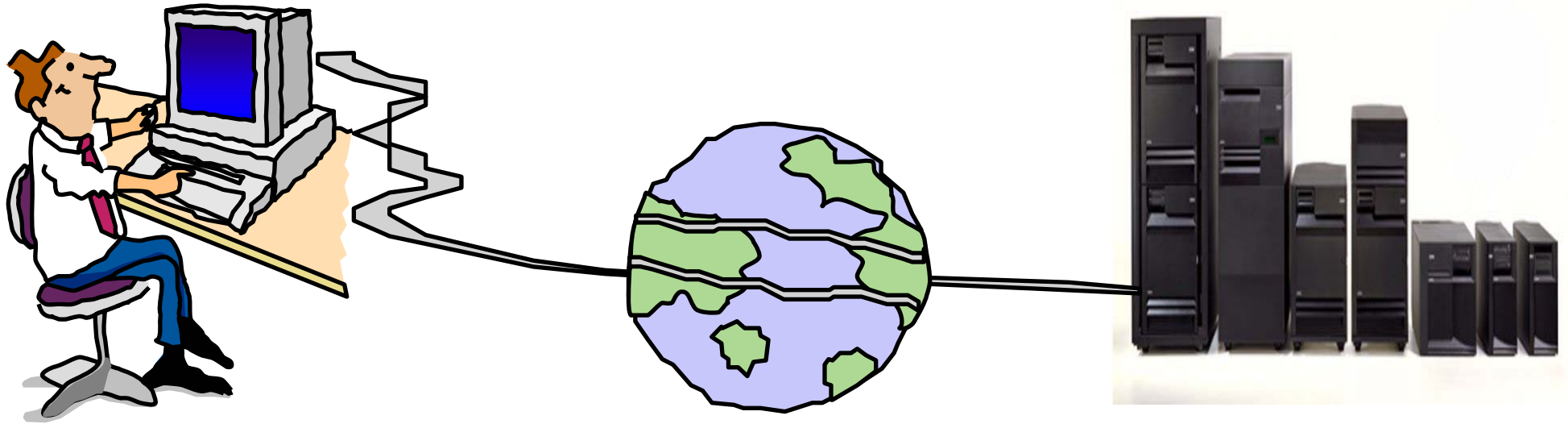
Run SQL Save Request...

V5R4 iSeries 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 iSeries 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"> iSeries SQL Requests added iSeries SQL Results Viewer added <p>Files</p> <ul style="list-style-type: none"> Zip function added <p>iSeries Credentials</p> <ul style="list-style-type: none"> Can change i5/OS password via Access for Web



iSeries Access for Web from the Internet and Security



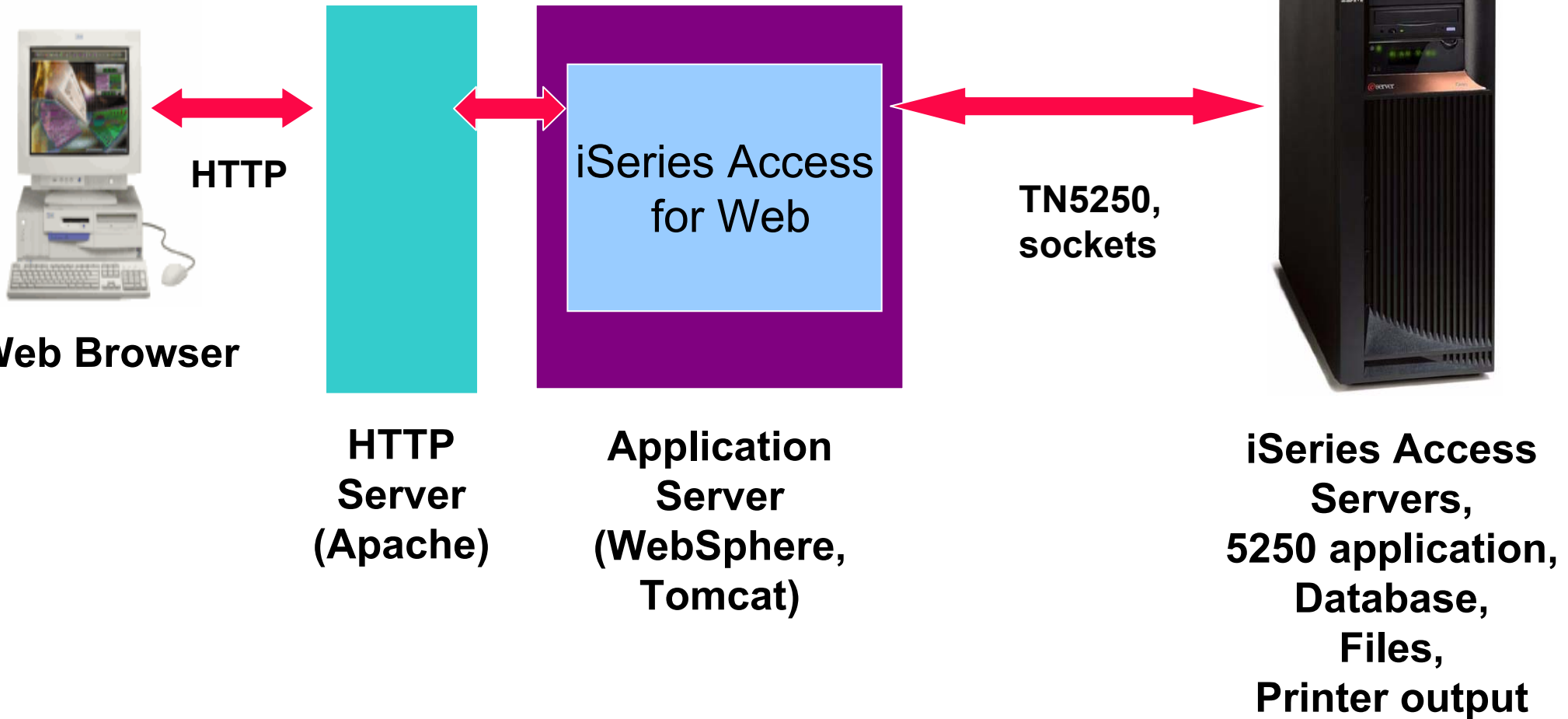
Would it be possible for my users to access their data from home over the internet? What would the setup/environment look like?

How would security be enabled to protect the network?

Could the web environment be isolated from the servers containing data?

Let's look at an example...

iSeries Access for Web Internal View



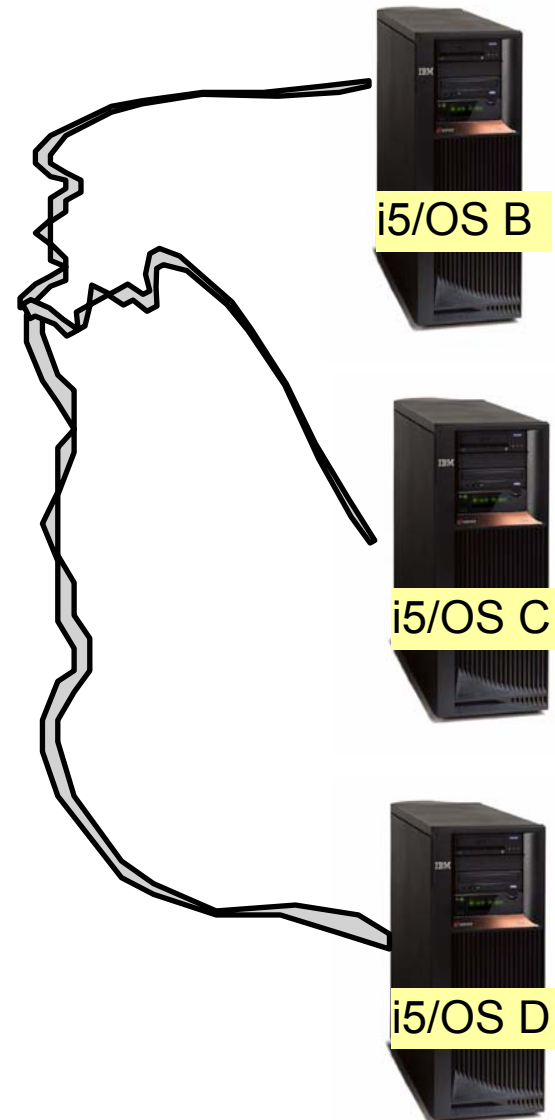
Backend i5/OS

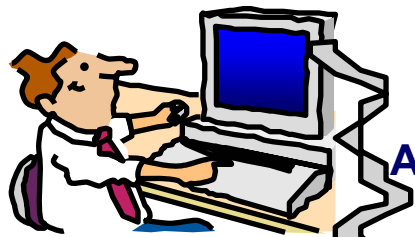
The backend i5/OS B, C, D contain data.

They are inside the company network.

i5/OS B, C, D do not have web serving software installed, let's assume they don't.

I want some users to be able to always connect to i5/OS B, some others to i5/OS C, and some others to i5/OS D





Administrator sets up...

i5/OS A

i5/OS web server A is added

This i5/OS has:

- HTTP/HTTPS
- WebSphere Application Server
- iSeries Access for Web (installed and configured)

i5/OS B, C, and D...

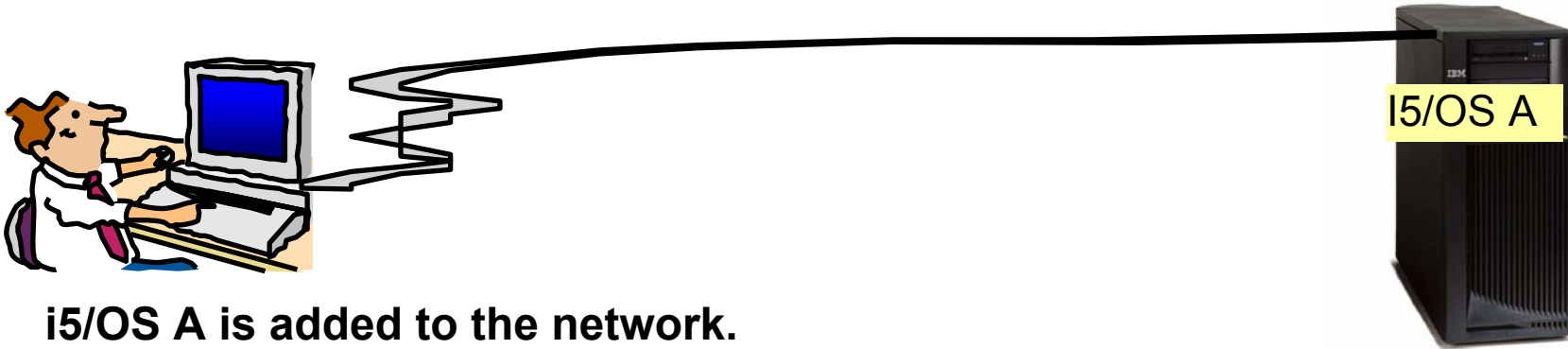
- Must have 5722-XW1 iSeries Access Family installed for licensing purposes
- 5722-XH2 iSeries Access for Web installed (RSTLICPGM) but not configured

i5/OS B

i5/OS C

i5/OS D

Setting up i5/OS A



i5/OS A is added to the network.

i5/OS A has HTTP/HTTPS, WebSphere Application Server, iSeries Access for Web installed/configured.

Configure 3 HTTP servers-- one for i5/OS B, one for i5/OS C, and one for i5/OS D

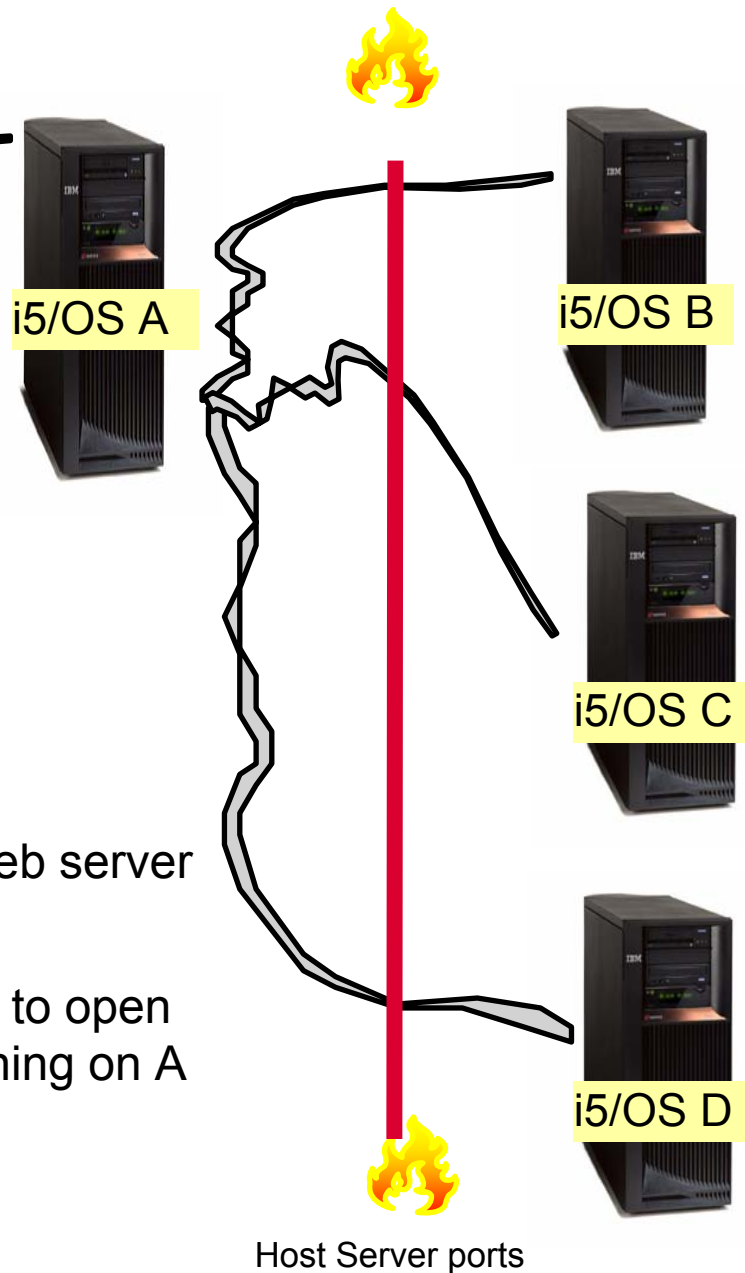
3 WAS or Tomcat instances (one for each system)

Configure iSeries Access for Web in each instance (use TGTSVR parameter on CFGACCWEB2 command)

**Adds "realm=server_name.mydomain.com" to
/QIBM/UserData/Access/Web2/<wasinst>/<appsrv> /config/webaccess.properties**



Administrator sets up...
 Firewall between web
 server and data servers.

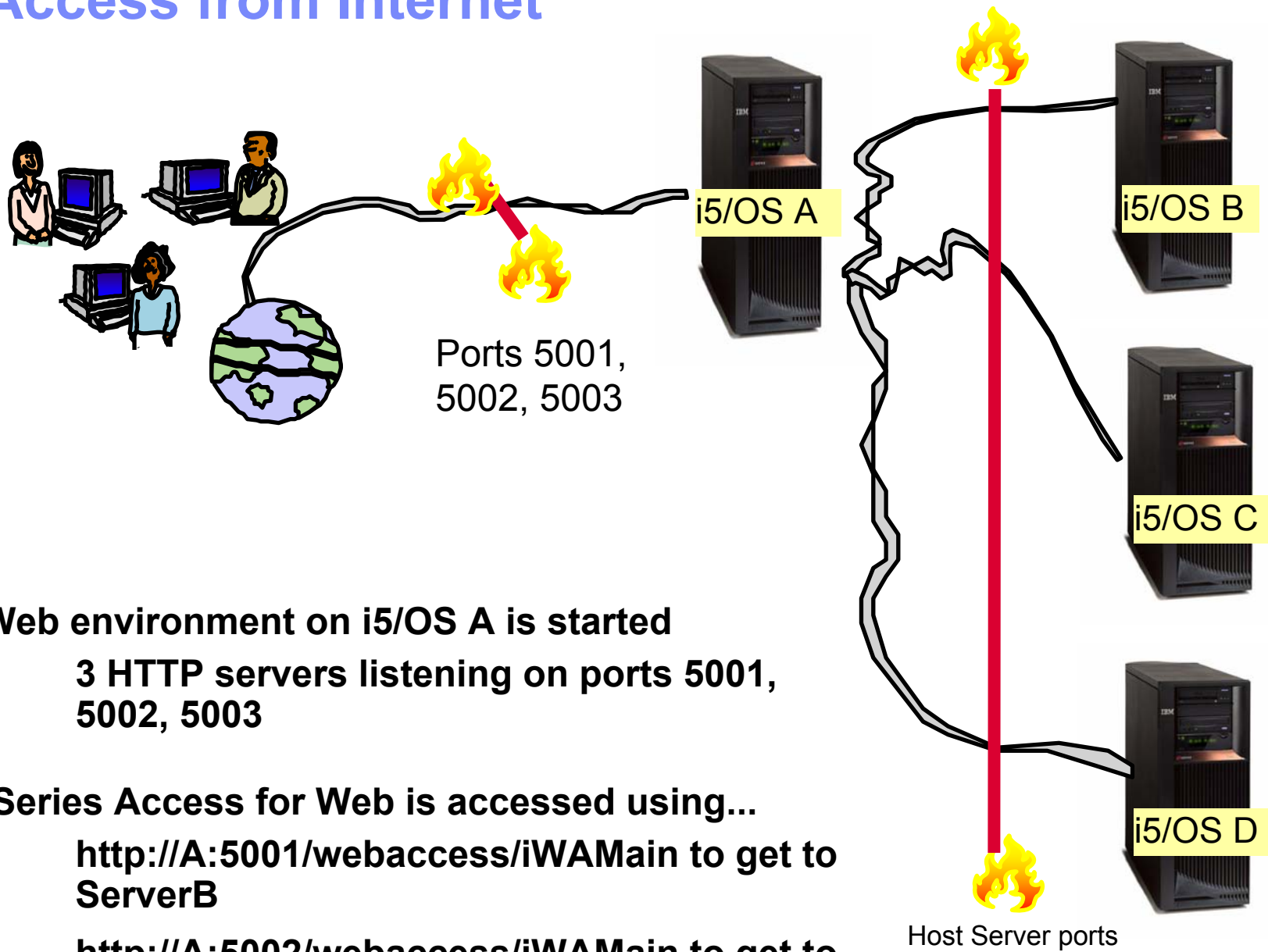


Host Server ports

A firewall is put in place between the web server (A) and the data servers (B, C, D).

iSeries Access for Web will require you to open the Host Server ports because it is running on A and only connecting to B, C, D.

Access from Internet



Web environment on i5/OS A is started
 3 HTTP servers listening on ports 5001,
 5002, 5003

iSeries Access for Web is accessed using...

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

i want an i.

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

User starts browser and keys in url address...

iSeries Access for Web user is providing a different address to get to each i5/OS server...

<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

Enter Network Password

Please type your user name and password.

Site: iseriesd.dfw.ibm.com

Realm: iSeriesD.DFW.IBM.COM

User Name

Password

Save this password in your password list

OK Cancel

Enter Network Password

Please type your user name and password.

Site: iseriesd.dfw.ibm.com

Realm: iSeriesD.DFW.IBM.COM

User Name

Password

Save this password in your password list

OK Cancel

Enter Network Password

Please type your user name and password.

Site: iseriesd.dfw.ibm.com

Realm: iSeriesD.DFW.IBM.COM

User Name

Password

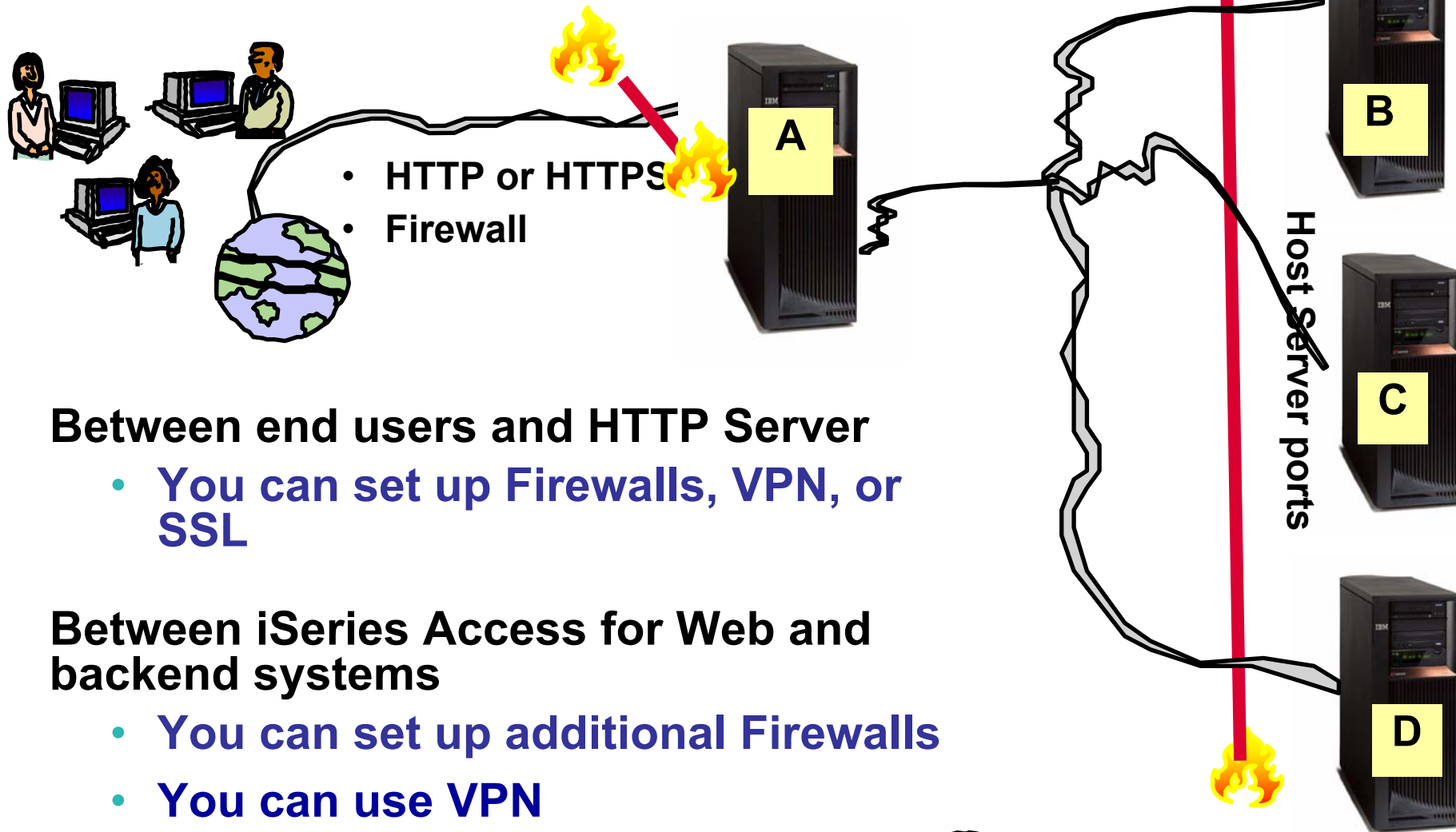
Save this password in your password list

OK Cancel



The user must provide the correct i5/OS user ID and password for the backend data system to gain access.

Security Considerations



Between end users and HTTP Server

- You can set up Firewalls, VPN, or SSL

Between iSeries Access for Web and backend systems

- You can set up additional Firewalls
- You can use VPN
- You **cannot use SSL** between System A and backend systems.



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.

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

Edit Policies - Database Connections

Profile: CMINER

Default connection: IBM Toolbox for Java - RCHLAND.IBM.COM
 Default derived from: Shipped default

Navigation: <<< [1] >>>

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;	RCHLAND.IBM.COM	Shipped default

Navigation: <<< [1] >>>

iSeries Access for Web - 5250 emulation

Could be connected to i5/OS B and start a new session from there to i5/OS C or i5/OS D

Identify i5/OS server

Determine what workstation (device) ID to use

Connect to another i5/OS

The screenshot shows a web browser window titled "Start Session" for "iSeries Access for Web". The user is logged in as "dlb". The interface includes a sidebar with navigation options like "My Home Page", "My Folder", "Print", "Messages", "Jobs", "5250", "Database", "Files", "Command", "Download", "Customize", and "Other". The main content area is titled "Start Session" and contains the following fields and options:

- Server:** A text input field containing "Any i5/OS in my network".
- Port:** A text input field containing "23".
- Code page:** A dropdown menu set to "37".
- Workstation ID:** A section with three radio buttons: "Use user ID" (unselected), "Specify workstation ID" (selected), and "Avoid duplicates for this user" (unselected). A text input field is next to the "Specify workstation ID" option.
- General:** A section with a dropdown menu for "Initial macro" and two checkboxes: "Bypass signon" (unselected) and "Display HTML data in fields" (unselected).

A "Start Session" button is located at the bottom of the form. The IBM logo is visible in the top right corner of the page.

Or could connect to another System i through a preconfigured shortcut

Configured Sessions

User: dlb

Session	Server	Action	Shortcut	Created By	Access
Dallas Demos	dallas.xyzcompany.com	[Icons]	No	dlb	dlb
Home system	home.xyzcompany.com	[Icons]	No	dlb	dlb
Japan system	japan.xyzcompany.com	[Icons]	No	dlb	dlb

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

[Shortcuts to sessions you configured](#)
Display a list of shortcuts to sessions you configured. Shortcuts can be deleted from this list.

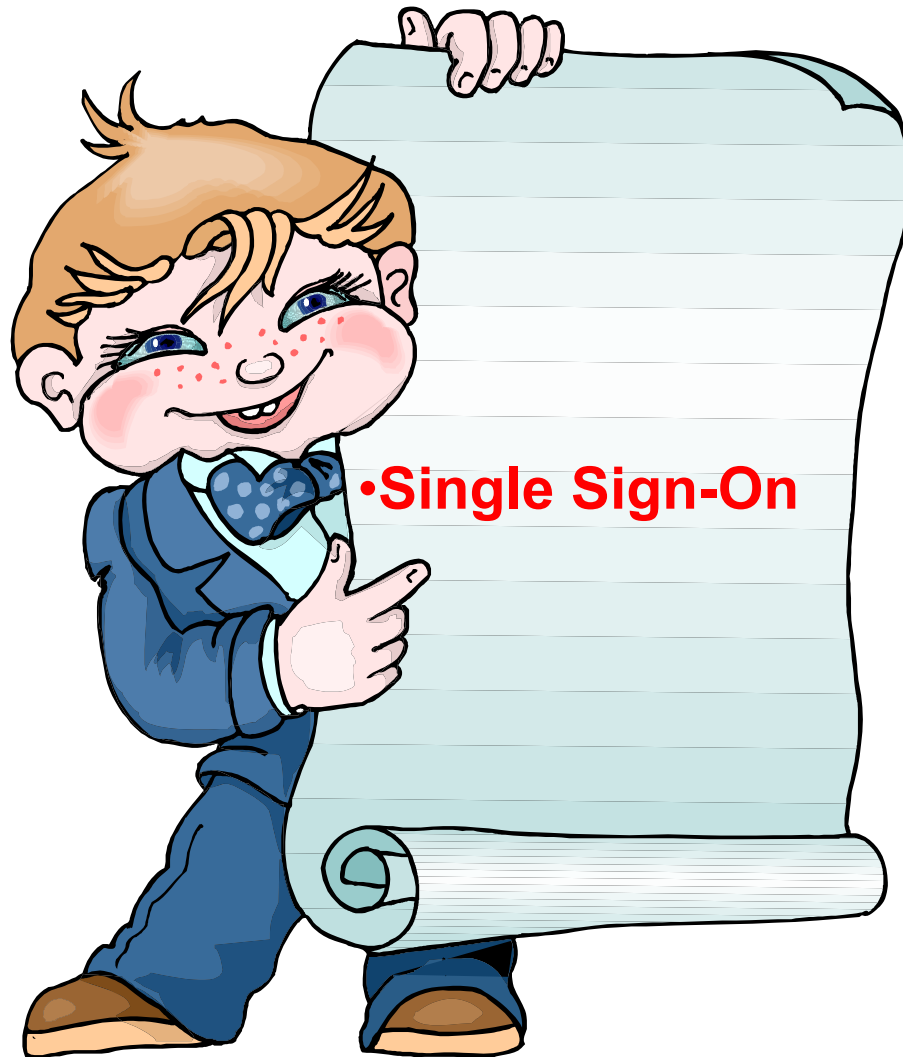
[Active sessions](#)
Work with your active sessions.

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

[My macros](#)
Work with your macros.

[My keypads](#)
Work with your keypads.

[5250 user interface help](#)
View help for working with configured sessions.



Authentication

Authentication is verifying the identity of the user

iSeries Access for Web supports two types of authentication

- **Application**
 - iSeries Access for Web handles the authentication
- **Application Server – New in V5R4**
 - WebSphere® handles the authentication

Specified by the AUTHTYPE parameter on the CFGACCWEB2 command

- **Application: AUTHTYPE(*APP)**
- **Application Server: AUTHTYPE(*APPSVR)**

Application Authentication

iSeries Access for Web handles authentication

i5/OS user profile and password

- Hostname specified by the TGTSVR parameter on the CFGACCWEB2 command

Method: HTTP basic authentication

- User profile and password are encoded (not encrypted) in the HTTP headers and should be protected

User profile cannot be shared between System i web applications

If you want to use Bypass sign-on, you must use Application Authentication.



Application Server Authentication

WebSphere handles authentication

WebSphere credentials

- **Typically a user ID and password**
- **Authenticated with the active WebSphere user registry**

Single sign-on can be accomplished between WAS applications.

iSeries Access for Web uses Enterprise Identity Mapping (EIM) to map the authenticated WebSphere user identity to an i5/OS user profile

- **iSeries Access for Web identifies the user by the mapped i5/OS user profile**
- **i5/OS user profile is used to authorize access to i5/OS resources using object level security**

Control User Access to functions



Tip: Manage User Access

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

Customize policies for users and groups to

- Allow/Deny functions users can access
- Limit the information users can see

Use group profiles

- Manage policies for group profiles
- Add/remove users from groups

You need ***SECADM** authority to customize profiles

Tip: Manage User Access

Two Strategies

- **Allow all and deny specific users/groups**
- **Deny all and allow specific users/groups**
 - **V5R3 Access for Web enhanced so *SECADM can never get locked out, but you may not see a tab on navigation bar...**

Use *PUBLIC to set policies 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
• Transfer configuration
Other

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

Policies

Profile: *PUBLIC

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

[View all policies](#)

View of the Policies page

Recommendations for Setting Up Policies

Do as much customization as you can using *PUBLIC

Examples:

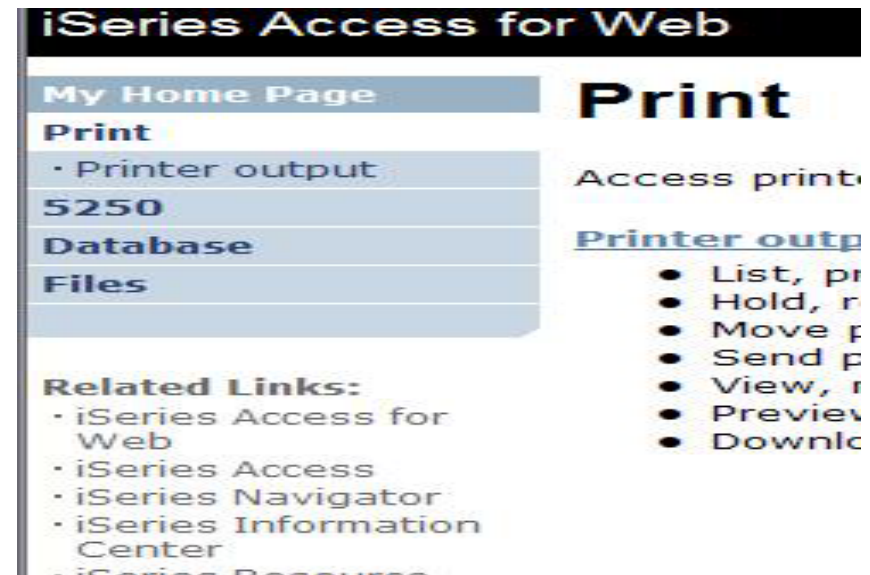
- Setting up **Printer Output** view
- Setting up **Mail Server** SMTP address
- Creating look and feel of **5250** sessions
- Creating **Database Connections**
- **General** Page Layouts

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

Examples:

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 User: cminer System: LP126AB.RCHLAND.IBM.COM IBM

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

Printer Output for cminer

File Name	User	Creation Date/Time	Pages Per Copy	Copies	Status	Action	User	Job Name	Job Number	File Number
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	

iSeries Access for Web User: cminer System: LP126AB.RCHLAND.IBM.COM IBM

My Home Page
Print
Printer output
5250
Files

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	...

Related Links:
iSeries Access for Web
iSeries Access
iSeries Navigator
iSeries Information Center
iSeries Resource Library

- Use Policies / Preferences to remove attribute columns
- Use Policies to modify the Action options

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 iSeries 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 filter: [Filter List](#)

Filter by: Profile Description

Profile	Description	Action
CMINER	Carole Miner/Rochester/IBM@IBMUS	

Profile Filter Details

- Specify a filter to control the profiles displayed in the list. The asterisk (*) is used as the wildcard character.
- To list profiles that start with B, specify B* and select filter by profile.
- To list profiles containing ABC in the description, specify *ABC* and select filter by description.
- If no profile filter is specified, all profiles you have authority to are displayed.

Copy Policies

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

From profile: OFFICE

To profiles: [Add...](#)

Overwrite existing policies

[Copy Policies](#)

[Policies help](#)
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

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.

The screenshot shows the 'iSeries Access for Web' interface. On the left is a navigation menu with items: My Home Page, My Folder, Print, Messages, Jobs, 5250, Database, Files, Command, Download, Customize, Preferences, Policies, Settings, Transfer configuration, and Other. The main content area is titled 'Export Policies' and contains the text 'Specify one or more profiles to export policies for, separated by commas.' Below this is a text input field labeled 'Profiles:' followed by an 'Add...' button. A blue 'Export Policies' button is positioned below the input field. At the bottom of the main area, there is a link for 'Policies help' and the text 'View help for exporting policies.'

The screenshot shows the 'iSeries Access for Web' interface. On the left is a navigation menu with items: My Home Page, My Folder, Print, Messages, Jobs, 5250, Database, Files, Command, Download, Customize, Preferences, Policies, Settings, and Transfer configuration. The main content area is titled 'Import Policies' and contains the text 'Specify the file containing policies you want to import.' Below this is a text input field labeled 'File:' followed by a 'Browse...' button. A blue 'Import Policies' button is positioned below the input field. At the bottom of the main area, there is a link for 'Policies help' and the text 'View help for importing policies.'

Example of using Transfer Configuration Data

1. Created a new user

- Used **Commands** function

2. Gave new user same Policies as another user

- Used **Transfer Configuration Data** and selected **'Policies'**

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

Transfer Configuration Data

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

Profiles

From profile: brown

To profile: adams

Action to Perform

Copy Move

Data to Transfer

5250 sessions

5250 macros

Commands

Database requests

Folder items

Policies

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

Files

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

Browse files

- Navigate and browse the directories located on your iSeries server integrated file system.
- View, upload, and download files.
- Copy and mail files.
- Rename and delete files and directories.
- Zip and unzip files and directories.
- Edit authorities and change ownership of objects in the integrated file system.

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

Profile: CMINER

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

[View all policies](#)
View current policy settings for all categories.

[View group membership](#)

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

Done

View All Policies

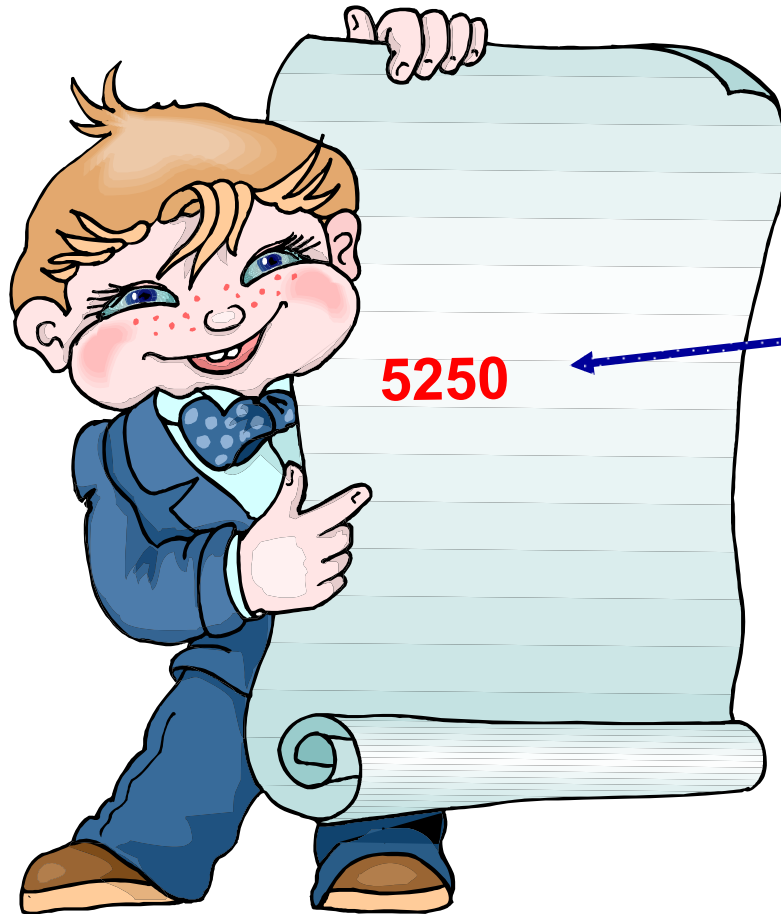
Profile: CMINER1

Sort by: [Category](#) | [Derived From](#)

[Printer friendly format](#)

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

Tips on 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 the System i

Configuring a New Session

Can connect to any System i in the network

- Not just the one configured in CFGACCWEB2

■ Bypass Signon

- **New in V5R4**

■ Add a previously created macro to this configured session

■ Define how device ID is to be assigned

My Home Page

- ✦ My Folder
- Print
- Messages
- Jobs
- 5250
 - Active sessions
 - Configured sessions
 - Start session
- Database
- Files
- Command
- Download
- Customize
- Other

Related Links:

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

Configure New Session

General ?

Session: * required

Default view: ▾

Initial macro: ▾

Bypass signon

Display HTML data in fields

Enable advanced JavaScript functions

Server ?

Server:

Port:

Code page: ▾

Workstation ID ?

Use user ID

Specify workstation ID

Avoid duplicates for this user

Avoid duplicates with other users

Configuring a New Session (continued) – Workstation ID

Workstation ID

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

The Workstation ID options are:

Use user ID: The iSeries Access for Web authenticated user ID is used for the workstation ID, up to ten characters.

Specify workstation ID: Enter a workstation ID of your choice, up to ten characters. If you select the radio button and leave the text field blank, a value is generated by the server. The default device name starts with *QPADEV*.

The configuration options for avoiding conflicts are:

Avoid duplicates for this user: When this option is enabled, a wild card character is added to the device name to make it unique for the current user.

Avoid duplicates with other users: When this option is enabled, the server adds a wild card character to the device name to make it unique for all users on the server.

Configuring a New Session (continued) – Workstation ID

You can enter keyword and special characters, like you do for PC5250. Here is how they are handled.

Computer name or User name (&COMPN, &USERN): These keywords are accepted. However, they will not resolve to the PC name and the Windows login user ID like they do in PC5250.

Computer name: resolved to the System i name

User name: resolved to the user profile name of the web application server job.

Also note that using the &COMPN and &USERN keywords could result in workstation IDs that are longer than ten characters which would then be truncated.

Session Type ID (%): This will add an “S” to workstation ID, indicating that this is a display session. With PC5250, a “P” would replace the “%” if a printer session was started. However, iSeries Access for Web only has display sessions.

Configuring a New Session (continued) – Workstation ID

Keyword and special characters, continued...

Short session ID (*): Adding this character will make the ID unique for this user. The iSeries Access for Web option **Avoid duplicates for this user** causes the “*” character to be added at the end of the ID. Therefore, if you use both the “*” and Avoid duplicates for this user, then two special characters will be added to the workstation ID.

Collision Avoidance ID (=): Adding this character will make the session ID unique. The iSeries Access for Web option **Avoid duplicates with other users** causes the “=” character to be added at the end of the string. Therefore, if you use both the “=” and Avoid duplicates with other users, then two “=” will be added to the string..

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		Foreground colors 5250 Browser	
Black:	Black	Black:	Black
Blue:	Blue	Blue:	Blue
Green:	Green	Green:	Green
Cyan:	Teal	Cyan:	Teal
Red:	Red	Red:	Red
Magenta:	Fuchsia	Magenta:	Fuchsia
Brown:	Yellow	Brown:	Yellow
White:	Gray	White:	White
Operator information area (OIA) Color: Black		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
		Load Shipped 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 bar indicates the user is 'cminer1' and the system is 'RCHLAND.IBM.COM'. The main content area is titled 'MAJOR Major Command Groups' and displays a list of command groups in a proportional font. The list includes: 1. Select Command by Name, 2. Verb Commands, 3. Subject Commands, 4. Object Management Commands, 5. File Commands, 6. Save and Restore Commands, 7. Work Management Commands, 8. Data Management Commands, 9. Security Commands, 10. Print Commands, 11. Spooling Commands, 12. System Control Commands, and 13. Program Commands. To the right of the list, the corresponding command names are listed: SLTCMD, VERB, SUBJECT, CMDOBJMGT, CMDFILE, CMDSAVRST, CMDWRKMG, CMDDTAMGT, CMDSEC, CMDPRT, CMDSPL, CMDSYSCTL, and CMDFGM. A 'More...' link is visible at the bottom right of the list. Below the list, there is a 'Selection or command' field with a prompt '====>' and a set of function key shortcuts: F3=Exit, F4=Prompt, F9=Retrieve, F12=Cancel, F13=Information Assistant, and F16=Major menu.

The screenshot shows the iSeries Access for Web interface with the same content as the previous screenshot, but the text is displayed in a fixed-width font. The layout and content are identical, including the command groups list, command names, and function key shortcuts.

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

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:' field. A list of options is provided, such as '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. A row of buttons includes 'Exit', 'Prompt', 'Retrieve', 'Cancel', and 'Information As'. A 'Set initial menu' button is also present. A message states 'Command MAJOR in library *LIBL not found.' Below this is a table with columns for 'Attention', 'Refresh Screen', 'Field Exit', and 'Page Up'. The table lists several entries with checkboxes, including 'QHTTSPVR', 'ADMIN', and 'JAHARRIS'. At the bottom, there is a 'Parameters or command' input field and a list of function key assignments: 'F3=Exit', 'F5=Refresh', 'F7=Find', 'F10=Restart statistics', 'F11=Display elapsed data', 'F12=Cancel', 'F23=More options', and 'F24=More keys'.

Can uncheck these boxes to deliver a more traditional view

Reconnect to an Active Session

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

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

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

User could also have shut down the PC, and started up a connection to the same system, and pick right up on same page

The screenshot shows the 'iSeries Access for Web' interface. At the top, it displays 'User: cminer1 System: RCHLAND.IBM.COM'. Below this is a navigation menu on the left with options like 'My Home Page', 'Print', '5250', 'Active sessions', 'Configured sessions', 'Start session', 'Database', and 'Files'. The main area shows a 5250 application screen with a table of data. The table has columns for RECORD TYPE, PANEL ID, FIELD ID, DATA LENGTH, RESERVED, and DATA. The data rows are as follows:

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

At the bottom of the screen, there are buttons for 'Exit', 'Cancel', 'Left', 'Right', and 'Split'. The interface also includes a 'Display Report' link in the top right corner.

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

Reconnect to an Active Session

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

My Home Page

My Folder

Print

Messages

Jobs

5250

- Active sessions
- Configured sessions
- Start session

Database

Files

Command

Download

Customize

Other

Active Sessions

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

- Sessions listed here are sessions I did not 'sign off' of i5/OS
- They would show up here even if iSeries had released them. If a user attempts to Reconnect, they may get a message that the session has been closed and they would have to start a new 5250 session

Going directly to 5250 from your browser

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

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

The 5250 session to be started is selected as follows:

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

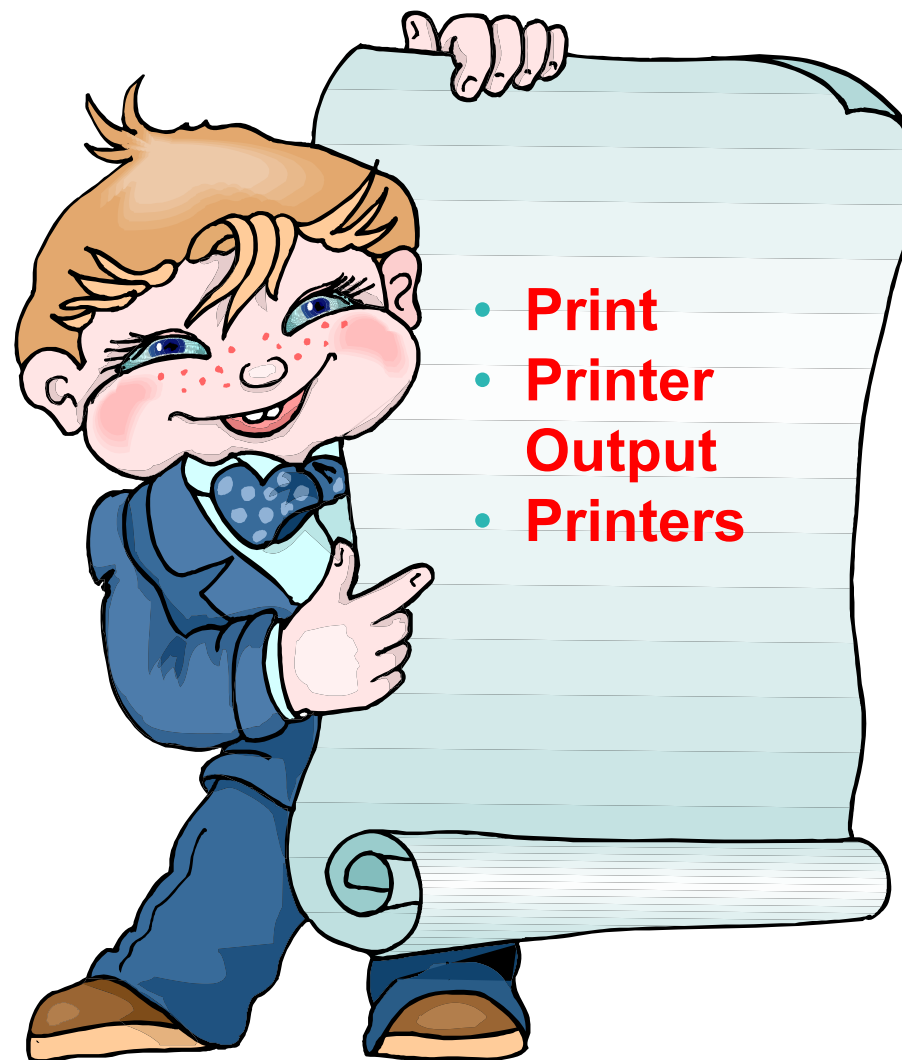
Use initmac parameter to execute a macro at session startup

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

1. If there is not an active session, this will start a new 5250 session and execute the macro named mymacro
 - Useful for taking a user directly into an application

(Documented in the URL documentation on the web)

Tips on 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 iSeries 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
QPJOBLOG	CMINER10	12/16/05 6:23 PM	2	CMINER1	5	...
QPJOBLOG	CMINER13	12/16/05 10:23 PM	2	CMINER1	5	...
QSYSPT	CMINER10	12/19/05 10:33 AM	1	CMINER1	5	...
QSYSPT	CMINER10	12/19/05 10:33 AM	1	CMINER1	5	...
QSYSPT	CMINER10	12/19/05 10:33 AM	1	CMINER1	5	...

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

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

HATS uses iSeries Access for Web for Printer Output

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

**Use iSeries
Access for Web
'Printer Output'
capability with
HATS
applications**

**Note:
InfoPrint Server
not required**

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

Search Res

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

HATS Tutorials

Sample HATS 5250 print support application

The sample presented here is a **step-by-step** tutorial for creating a HATS 5250 Print support application.

Prerequisites

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

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

Note:
To verify the installation of iSeries Access for Web and Infoprint Server, type `go l1icpgm` 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

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

iSeries Access for Web

Printers

Printer	Status	Action	Description	Output Queue
AFPPRT1	Unavailable	[Stop] [Start]	Device created for LP126AB.	QUSRSYS/AFPPRT1
AHORASI	Unavailable	[Stop] [Start]	text for ahorasi printer	QUSRSYS/AHORASI
CMINER1PRT	Unavailable	[Stop] [Start]	PDF Output for CMINER1	QUSRSYS/CMINER1PRT
CONVERTPDF	Stopped	[Stop] [Start]	PDF Convert - Spool PDF to QEZJOBLOG/QUSRSYS	QUSRSYS/CONVERTPDF
DAWNIP40	Ready	[Stop] [Start]	web nav URL test printer	QUSRSYS/DAWNIP40
DAWN1140	Ready	[Stop] [Start]	web nav URL test printer	QUSRSYS/DAWN1140
DMSPRTA	Unavailable	[Stop] [Start]	Device created for LP126AB.	QUSRSYS/DMSPRTA
FROMPDF	Unavailable	[Stop] [Start]	description	QUSRSYS/FROMPDF
HP8100	Stopped	[Stop] [Start]	created by Eric Larese	QUSRSYS/HP8100
INTERPRTJ	Ready	[Stop] [Start]		QUSRSYS/INTERPRTJ
INTERPRTJ2	Ready	[Stop] [Start]	Internet Printer..	QUSRSYS/INTERPRTJ2
INTERPRT01	Stopped	[Stop] [Start]		QUSRSYS/INTERPRT01
INTERPRT02	Ready	[Stop] [Start]		QUSRSYS/INTERPRT02
INTERPRT7	Ready	[Stop] [Start]	NEW DESCRIPTION FOR INTERPRT7	QUSRSYS/INTERPRT7
IP1120	Ready	[Stop] [Start]	TESTING testing	QUSRSYS/IP1120
IP1145	Stopped	[Stop] [Start]		QUSRSYS/IP1145
IWAAFP	Unavailable	[Stop] [Start]	Printer for Access for Web	QUSRSYS/IWAAFP

iSeries Access for Web

Printers

Printer	Status	Action	Output Queue	Output Queue Status	Output Queue Action	Writer	Writer Status	Writer Action	Description
AFPPRT1	Varied off	[Stop] [Start]	QUSRSYS/AFPPRT1	Released	[Hold] [Release]		Ended	[Start] [Stop]	Device created for LP126AB.
AHORASI	Varied off	[Stop] [Start]	QUSRSYS/AHORASI	Released	[Hold] [Release]		Ended	[Start] [Stop]	text for ahorasi printer
CMINER1PRT	Varied off	[Stop] [Start]	QUSRSYS/CMINER1PRT	Released	[Hold] [Release]		Ended	[Start] [Stop]	PDF Output for CMINER1
CONVERTPDF	Varied On	[Stop] [Start]	QUSRSYS/CONVERTPDF	Released	[Hold] [Release]		Ended	[Start] [Stop]	PDF Convert - Spool PDF to QEZJOBLOG/QUSRSYS
DAWNIP40	Active	[Stop] [Start]	QUSRSYS/DAWNIP40	Released	[Hold] [Release]	DAWNIP40	Started	[Stop] [Start]	web nav URL test printer
DAWN1140	Active	[Stop] [Start]	QUSRSYS/DAWN1140	Released	[Hold] [Release]	DAWN1140	Started	[Stop] [Start]	web nav URL test printer
DMSPRTA	Varied off	[Stop] [Start]	QUSRSYS/DMSPRTA	Released	[Hold] [Release]		Ended	[Start] [Stop]	Device created for LP126AB.
FROMPDF	Varied off	[Stop] [Start]	QUSRSYS/FROMPDF	Released	[Hold] [Release]		Ended	[Start] [Stop]	description
HP8100	Varied On	[Stop] [Start]	QUSRSYS/HP8100	Released	[Hold] [Release]		Ended	[Start] [Stop]	created by Eric Larese
INTERPRTJ	Active	[Stop] [Start]	QUSRSYS/INTERPRTJ	Released	[Hold] [Release]	INTERPRTJ	Started	[Stop] [Start]	
INTERPRTJ2	Active	[Stop] [Start]	QUSRSYS/INTERPRTJ2	Released	[Hold] [Release]	INTERPRTJ2	Started	[Stop] [Start]	Internet Printer..
INTERPRT01	Varied On	[Stop] [Start]	QUSRSYS/INTERPRT01	Released	[Hold] [Release]		Ended	[Start] [Stop]	

Waiting for lp126ab...

IBM InfoPrint Server

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

Use iSeries Access for Web to create a PDF printer

Uses 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 iSeries 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

The screenshot shows the IBM InfoPrint Server for iSeries website. The main navigation menu includes: Business needs, Industries, Printers, Software, Professional services, Supplies and paper, How to buy, Support and maintenance, News and events, and Literature. The current page is titled "IBM InfoPrint Server for iSeries" and has tabs for "Product details", "Specifications", and "User resources". Under "Product details", there are links for "Overview", "Features and benefits", "Latest enhancements", "Complementary offerings", and "Evaluation".

The main content area features a headline: "Go beyond 'print and distribute.' Go to the next level of automation to manage and present business information electronically and reduce hardcopy costs." Below this is a paragraph: "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." A second paragraph states: "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." A third paragraph explains: "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." An image of the InfoPrint Server hardware is shown on the right side of the main content area.

On the right side of the page, there are several utility sections: "We're here to help" with a "Easy ways to get the answers you need." section and links for "E-mail us", "Contact IBM", and "Request a quote"; "Webcasts" with a section for "Infoprint Webcasts" and the text "Learn how Infoprint Designer and Infoprint Server can help meet your iSeries output needs."; "Document options" with a link for "E-mail this page"; and "Related information" with links for "Printing and e-business output solutions" and "Output management".

Create PDF Printer, PDF Printers, PDF Printer Output

iSeries Access for Web

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

Related Links:

- iSeries Access for Web

Done

PDF Printers

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

iSeries Access for Web

User: cmlter

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

Related Links:

- 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).

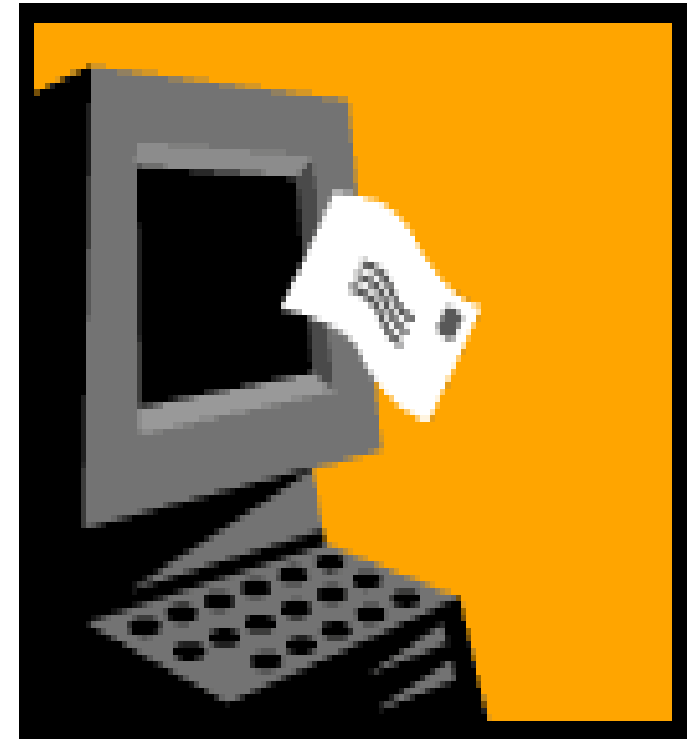
[Top of page](#)

Related Links:

- iSeries Access for Web

To use any of these features requires InfoPrinter Server

Tips on Mail



Integrate user's e-mail with iSeries Access for Web

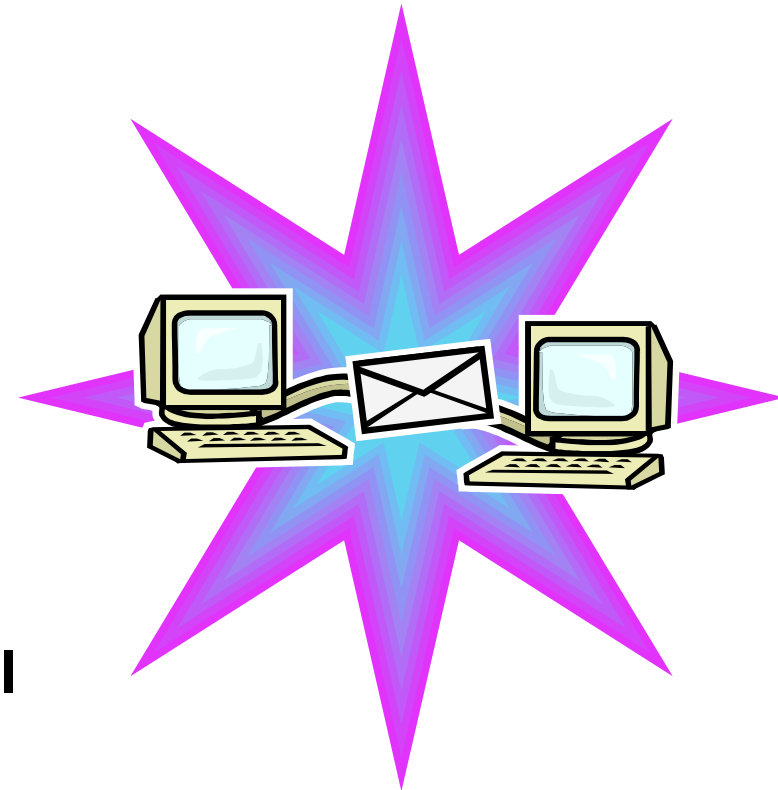
Can send results of the following iSeries Access for Web functions:

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

Result sent as an attachment

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

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



Users can easily e-mail results

Working with PDF printer output

Database request

Mail output

Name	Size (bytes)	Type	Modified	Action
../ (Parent Directory)				
ODBC_VSR4.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	

IFS File System

Send your e-mail: result of Printer output “Mail as attachment”

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

My Home Page

- My Folder
- Print**
- Printer output
- PDF printer output
- Printers
- PDF printers
- Internet printers
- Internet printer shares
- Printer shares
- Output queues

Messages

Jobs

5250

Database

Files

Command

Download

Customize

Other

Convert Printer Output to PDF

From: cminer@us.ibm.com

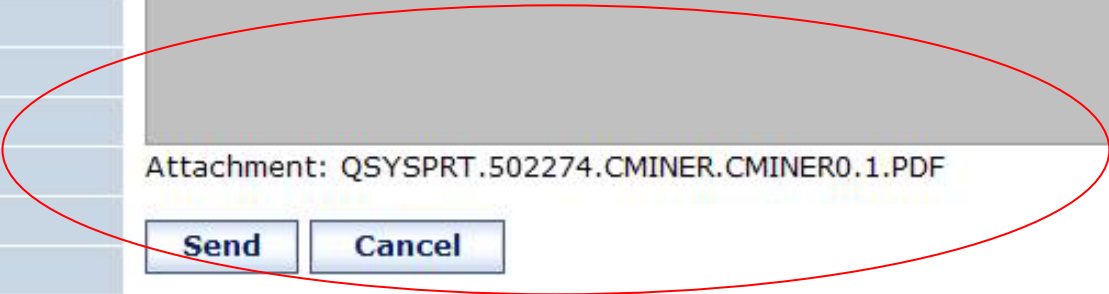
To:

cc:

bcc:

Subject:

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



How to set up iSeries 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 iSeries 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 iSeries 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 iSeries Access for Web

You must 'Customize' to use E-mail 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

Profile: *PUBLIC

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

Note:

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

All users' e-mail 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 ▼

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.

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

The screenshot shows the 'iSeries Access for Web' interface. At the top right, it displays 'User: cminer System: RCH'. The main content area is titled 'Import Policies' and contains the instruction 'Specify the file containing policies you want to import.' Below this is a 'File:' input field with a 'Browse...' button. A blue 'Import Policies' button is positioned below the input field. At the bottom of the main area, there is a link for 'Policies help' with the text 'View help for importing policies.' On the left side, there is a vertical navigation menu with the following items: 'My Home Page', 'My Folder', 'Print', 'Messages', 'Jobs', '5250', 'Database', 'Files', 'Command', 'Download', 'Customize' (with sub-items 'Preferences', 'Policies', 'Settings', 'Transfer configuration'), and 'Other'.

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

```
<?xml version="1.0" encoding="utf-8" standalone="yes"?>
<QIWA_Policies>
  <profile name="TSMITH">
    <mail>
      <fromEmailAddress>tsmith@myMailServer.com</fromEmailAddress>

    </mail>
    <sametime>
      <userName>tsmith@mySametime.com</userName>
    </sametime>
  </profile>
  <profile name="CJONES">
    <mail>
      <fromEmailAddress>cjones@myMailServer.com</fromEmailAddress>
    >
    </mail>
    <sametime>
      <userName>cjones@mySametime.com</userName>
    </sametime>
  </profile>
</QIWA_Policies>
```

Tip: Folder Notification

Set up for email notification

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

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

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

My Home Page

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

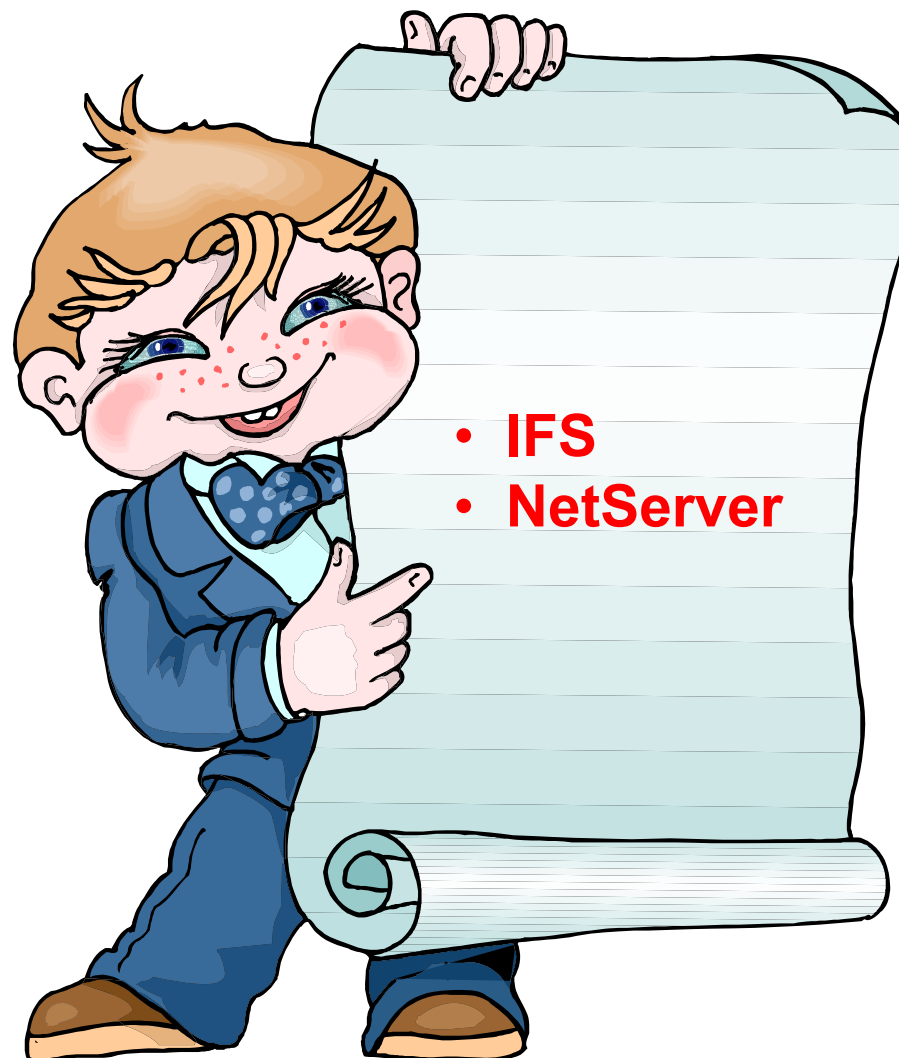
• iSeries Information

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 on File Serving



IFS: Perform many tasks without going to 5250 or iSeries Navigator

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 overlapping screenshots of the IBM iSeries Access for Web interface, demonstrating various directory management tasks.

Top Screenshot: Directory Contents
 Shows a web browser window with the URL `http://p016ab:2016/webaccess/WAFileWorkWith?filePath=%2fhome%2fbrown`. The page title is "Work With Directory [LP016AB.RCHLAND.IBM.COM] - Microsoft Internet Explorer". The interface shows a sidebar with navigation options like "My Home Page", "My Folder", "Print", "Messages", "Jobs", "5250", "Database", "Files", "Command", "Download", "Customize", and "Other". The main content area displays "Directory Contents" for the path `/home/BROWN`, listing 57 directories and 27 files. A table shows the following entries:

Name	Size (bytes)
\$BEACH	
\$BLDJAVA	
\$BLDSHIP	
\$BLDTEST	
aliciam	
ASFTomcat	
bin	
boats	
BVTFolder	
CUSTINFO	

Middle Screenshot: Work With Directory
 Shows the "Work With Directory" page for `/home/BROWN`. It displays metadata: Modified: 1/11/06 6:53:03 PM, Owner: CMINER, Primary group: *NONE, Authorization list: *NONE. Under the "Action" section, several tasks are listed: 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 `/home/BROWN`. It displays the current owner (BROWN) and primary group (*NONE). Below this 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:" input field and a "Browse..." button.

How to Limit Directory Access

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 /

A

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

B

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

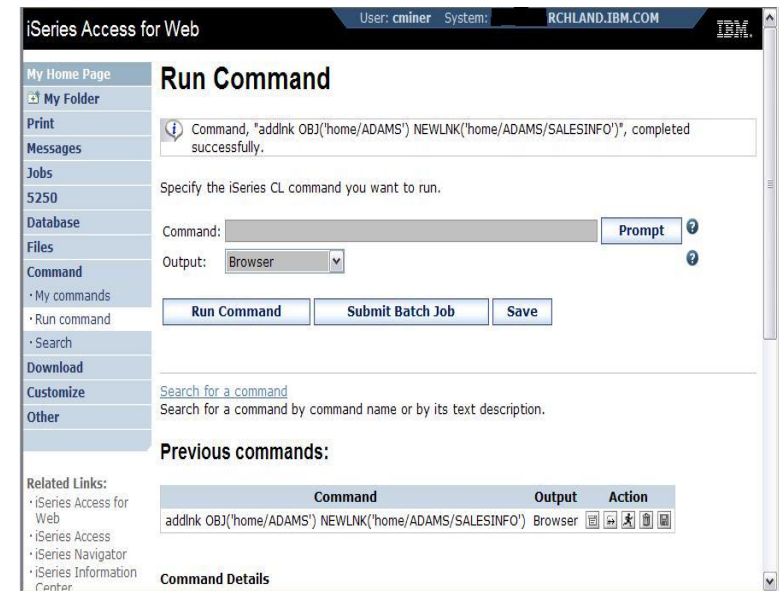
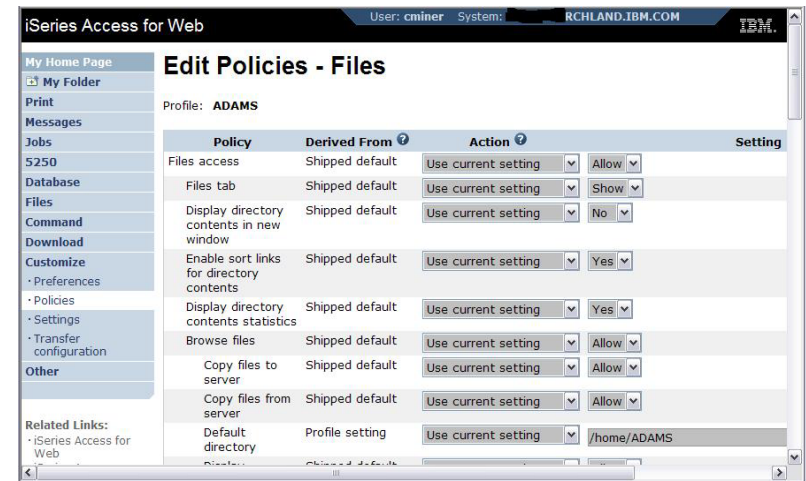
Set Default Directories for Your Users

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

- ▶ \$BEACH
- ▶ \$BLDJAVA
- ▶ \$BLDSHIP
- ▶ \$BLDTEST
- ▶ aliciam
- ▶ ASFTomcat
- ▶ bin
- ▶ boats
- ▶ BVTFolder
- ▶ CUSTINFO
- ▶ dev
- ▶ Directory1
- ▶ Directory2
- ▶ directoryForLogs
- ▶ dlb
- ▶ DLNKTEST
- ▶ emig
- ▶ etc
- ▶ giotmpf

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	
ik		Directory	4/4/05 11:32:11 AM	
jhansen		Directory	10/4/05 10:57:05 AM	
joansq		Directory	8/18/05 10:47:50 AM	

Edit Policies - Files

Profile: CMINER

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

iSeries NetServer

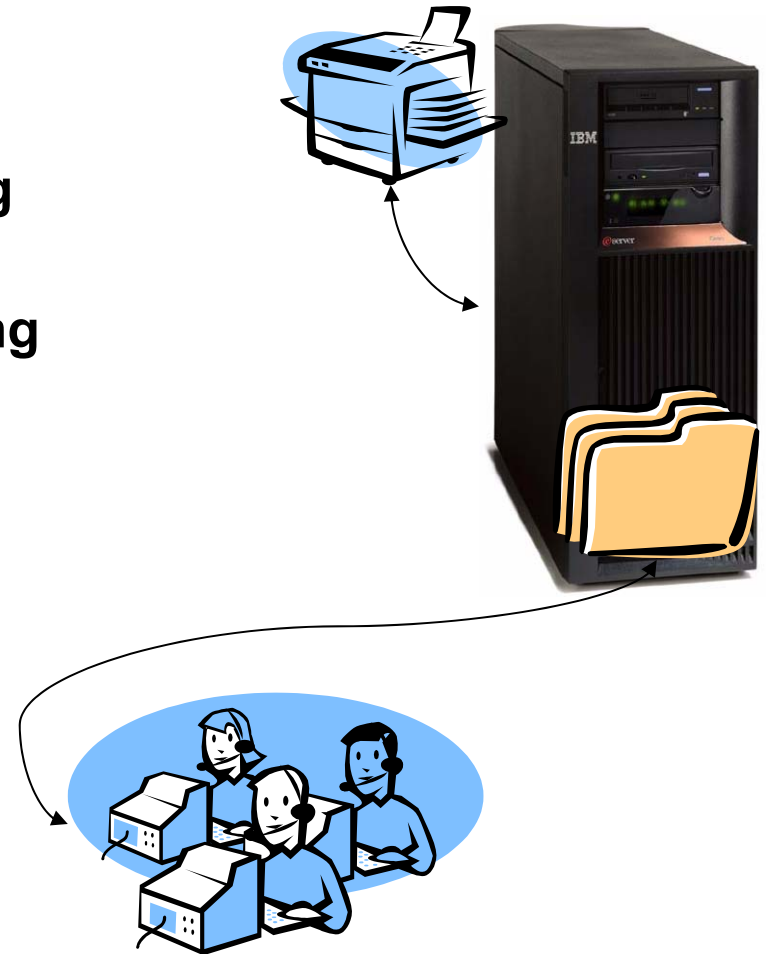
iSeries Support for Windows Network Neighborhood

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 user is 'cminer' and the system is 'RCHLAND.IBM.COM'. The main content area is titled 'iSeries NetServer File Shares' and displays a table of shares. The table has columns for Share Name, Description, User Count, and Permission. The shares listed are BVTSHARE, CAROLEMINER, QDIRSRV, QIBM, ROOT, WALABRO, WALABRW, YESENIA, and YESI. The interface also includes a sidebar with navigation options like 'My Home Page', 'My Folder', 'Print', 'Messages', 'Jobs', '5250', 'Database', 'Files', 'Command', 'Download', 'Customize', and 'Other'. Navigation controls for the table are visible above and below the table.

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.
 - As 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 'Directory Contents QIBM'. It includes a sidebar with navigation options like 'My Home Page', 'My Folder', 'Print', 'Messages', 'Jobs', '5250', 'Database', 'Files', 'Command', 'Download', 'Customize', and 'Other'. The 'Files' section is expanded, showing 'Browse files' and 'Browse file share'. The main area shows a 'Copy Files to Server' link and a 'Create Directory' link. Below these, it states 'Found 6 directories. Found 0 files with a total size of 0 bytes.' A table lists the directories:

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

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

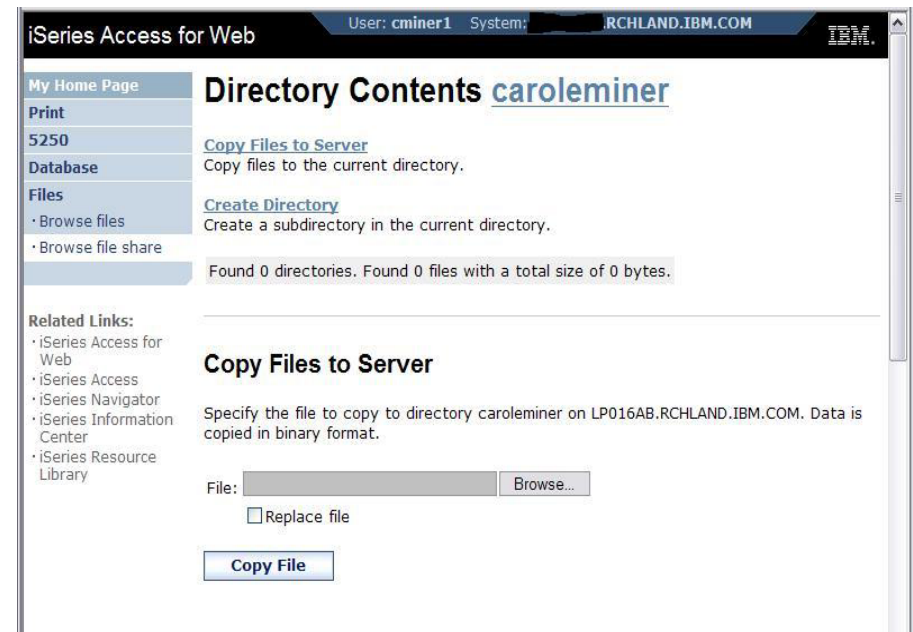
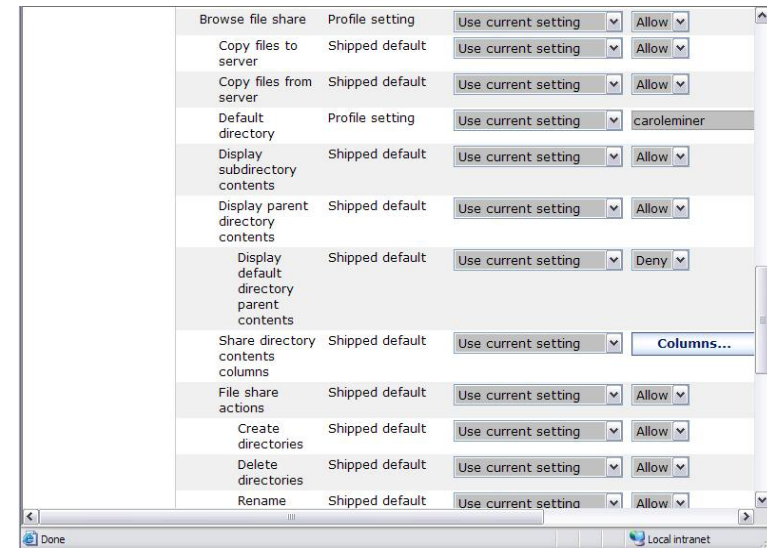
Browse File Share with Policy setting

Customize → Policies → Files

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

Advantage over 'Browse Files'

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

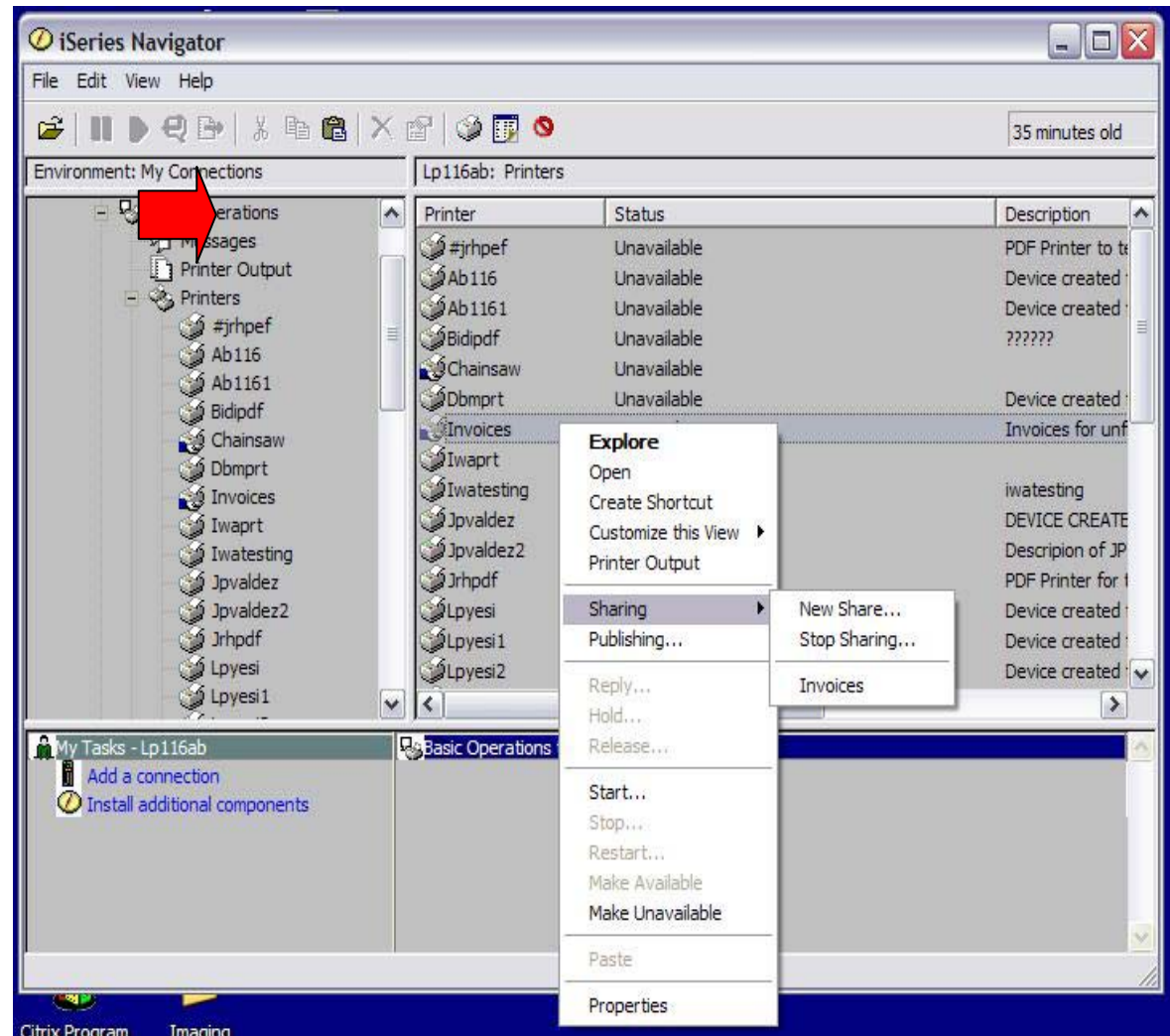


Setting up NetServer Print Shares

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

Click on

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



Printer Shares

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

All printers defined as shared printers will show up in here.

If user also has adequate **'object level authority'**, they could work with printers and printer output from here

Printer Shares

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

Done

Internet Printers - Shares

<http://<myiseries>/webaccess/iWAIPPShares>

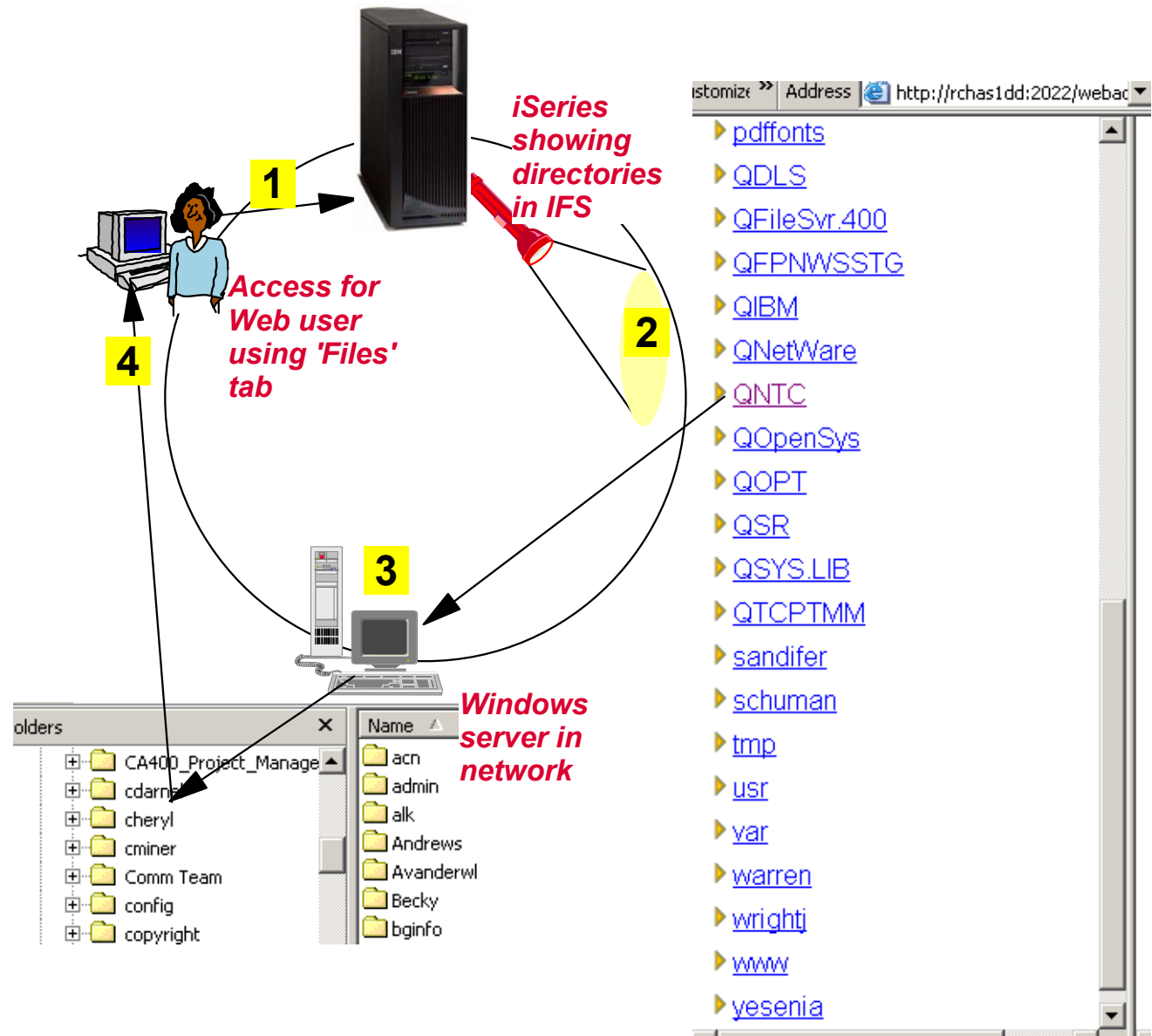
iSeries Access for Web					
cminer					
Internet Printer Shares					
Share	Output Queue	URL	Printer Data Type	Printer File	Authentication Method
PRT116AB-IPP	QUSRSYS/PRT116AB	http://LP116AB:631/ipp/printers/PRT116AB-IPP	Auto-select	QPNPSPRTF	None
CHAINSAW	QUSRSYS/CHAINSAW	http://LP116AB:631/ipp/printers/CHAINSAW	Auto-select	QPNPSPRTF	None

Tip: Access Files on Other Systems

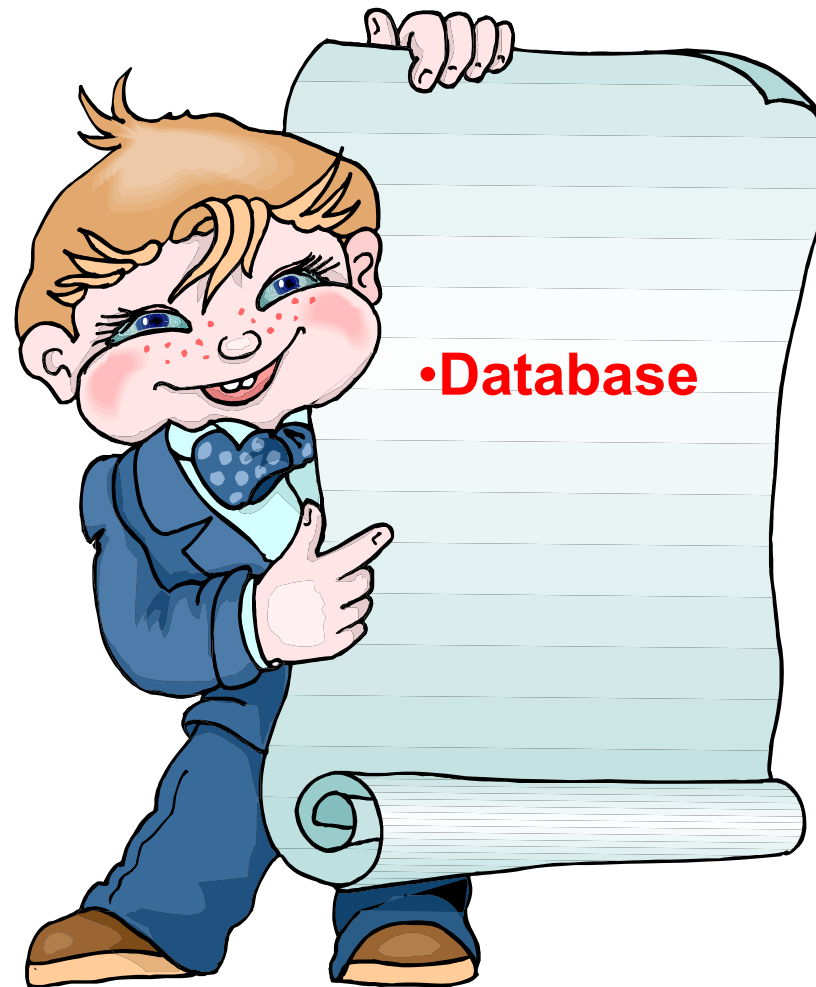
File systems mounted in the IFS can be accessed

- NFS
- QNTC

Use files to access files on other file systems



Tips on Data Exchange



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 navigation menu on the left with options like 'My Home Page', 'Print', '5250', 'Database', 'Files', and 'Related Links'. The main content area contains the following text:

Specify the query file you want to import. The query contained in the query file will be converted to an iSeries Access for Web database request.

Note: The converted iSeries Access for Web database request could work differently than the original query file. Verifying the converted request is strongly recommended.

Query to Import

Query file:

Query type: DB2 UDB for iSeries Query Manager (*QMQR) ▼

Query file CCSID: Query for iSeries (*QRYDFN)
DB2 UDB for iSeries Query Manager (*QMQR)

Related Links:
• iSeries Access for

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

Some reasons to move your queries to iSeries Access

- **Secure Web access to System i information for both local and remote users**
 - Cost-effective way to bring your iSeries data to your users, as there is nothing to install or configure on the user desktops.
 - Start using the queries as soon as they are set up.
- **Simply start up a browser session to a predefined url**
 - An easy way to make queries available to your users.
- **Simply click on My Requests link and run the predefined query**
 - End users want data, but don't understand 'database/file/field' concepts
 - If security is an issue, iSeries Access for Web conforms to standard OS/400 security to restrict users to just the information you want them to see.
 - Through Shortcuts, you only give users the queries you want them to run
- **A graphical interface makes life easier**
 - Users can display results, then simply click an option to save the data in any PC file format
 - They can convert it to PDF and print it.
 - They can even mail results to any user
- **Interactive processing on an System i is more costly, run the queries with iSeries Access for Web in the batch subsystem.**

Considerations for using Import Query function

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

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

Restrictions

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

Considerations for using Import Query function

Known special cases requiring the creation of non-default database connections, with the special attributes set, are:

- **System naming convention is used for the table designation**
- **Date and time formats other than locale defaults are specified in the query**
- **Decimal separator character other than the locale default is used in the query**
- **A non-default sort sequence is specified**
- **iSeries Access for Web cannot determine the CCSID of the contents of the query file.**
- **If the user profile that is importing the query has a CCSID that does not match the CCSID of the data in the query file, incorrect conversions or conversion errors might result. Users can set a CCSID value during the import of the query to overcome this problem.**



Tip: Extract Server Data – V5R3

Use Extract Server Data to retrieve information about objects on the iSeries 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 iSeries information in any manner that is of importance to you.

Using 'Extract Server Data' function

Many things you can look at on i5/OS

- 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 iSeries Access for Web creates the database table**
- **Once it has been copied, you can now work with the new table**

The image displays two screenshots of the iSeries Access for Web interface, illustrating the 'Extract Server Object Data' function.

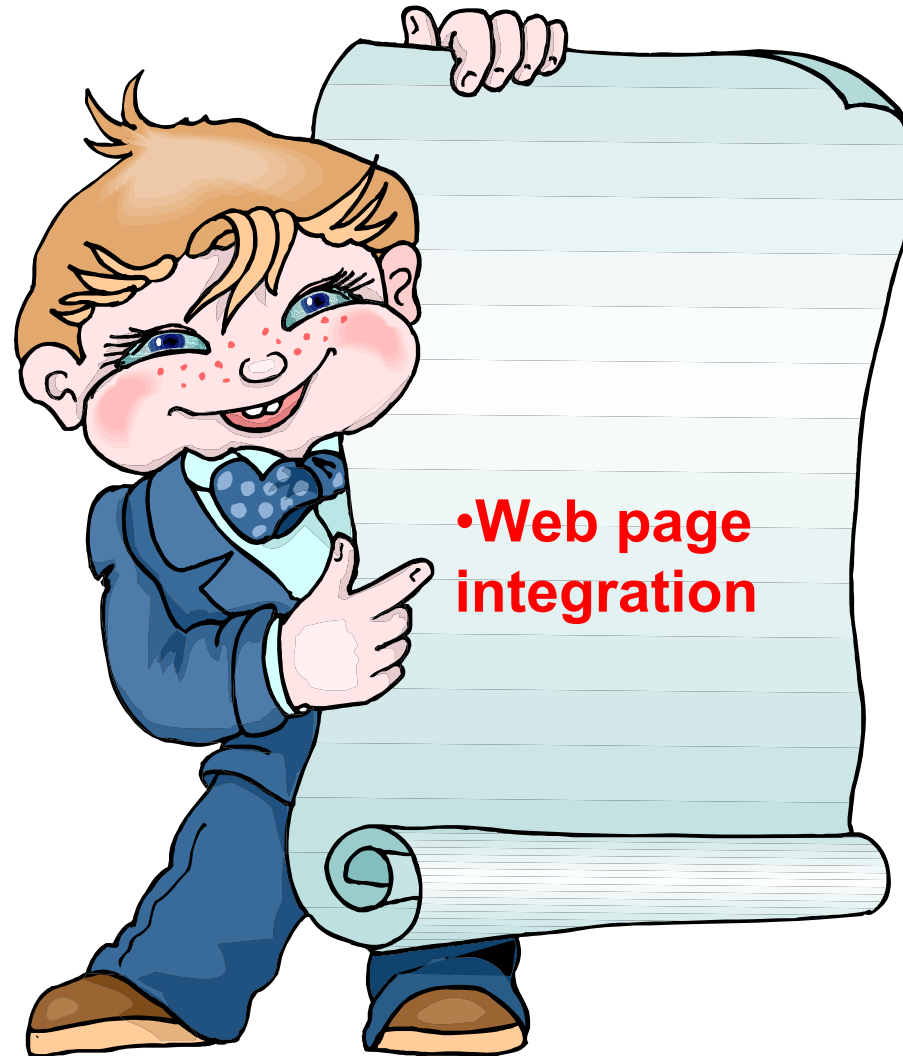
Top Screenshot: Configuration Step

- Header:** iSeries Access for Web, User: cminer, System: RCHLAND.IBM.COM
- Left Navigation Menu:** My Home Page, My Folder, Print, Messages, Jobs, 5250, Database (Tables, My requests, Run SQL, Copy data to table, Import request, Import query, Extract server data), Files, Command, Download.
- Main Content:**
 - Extract Server Object Data**
 - Object Data to Extract:** Objects: Directory entries
 - Table to Receive Data:** Table: [input field], Replace table if table exists
 - Extract Results:** Output: Browser
 - Connection:** Connection: IBM Toolbox for Java - LP126AB.RCHLAND.IBM.COM
 - Button:** Extract Data

Bottom Screenshot: Result Step

- Header:** iSeries Access for Web, User: cminer
- Left Navigation Menu:** My Home Page, My Folder, Print, Messages, Jobs, 5250, Database.
- Main Content:**
 - Extract Server Object Data**
 - 335 rows added to QGPL.EXTRAC
 - [Work with QGPL.EXTRAC](#)
 - [Query QGPL.EXTRAC](#)

Tips on Web Integration



Customized Home Page

Customized view of the Home Page

Could be used as 'entry' point to iSeries

Test drive this at:

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

USER ID =
BOATADMIN

PASSWORD =
DEMO2PWD

i want an i.

Access for Water - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media

Address <http://iseriesd.dfw.ibm.com/webaccess/iWAHome>


mywebsearch Search Smiley Central Screensavers Cursor Mania PopSwatter Games My Info

Access for Water *Supplying quality boats since 2002*

Services

- [See boat details - 5250](#)
- [See boat details - HATS LE](#)
- [See boat details - WebFacing](#)
- [View available boats](#)
- [Order a boat](#)
- [Work with invoices](#)
- [Check messages](#)
- [Check system messages](#)
- [Administrator tasks](#)
- [Manage incoming items](#)
- [Monitor jobs](#)
- [Download client software](#)

This Week's Special



Beautifully maintained 28 foot 1978 Carver Santa Cruz for only \$23,900. Head and galley refurbished in 2001. Only 31 hours on completely rebuilt motor. Click [here](#) to see this boat cruising the seas.

Great Deals

For those bargain conscious among you, we have a large selection of new and slightly used boats for under \$75,000. Whether you are planning on sailing in your backyard pond or navigating the mighty Mississippi we can meet your wants, needs, or desires. [View our selection of modestly priced boats.](#)

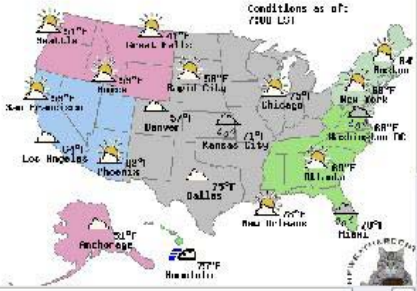
Site Support

Your comments are important to us. Please let us know if you have any questions or if we can help you in any way. Address your message to user BOATHELP. [Send us a message](#)

If you prefer to contact us directly, use our [telephone directory](#) to lookup phone numbers and e-mail addresses.

Weather Conditions

Is it a great day for boating? Check out today's forecast.



Conditions as of: 7:00 LST

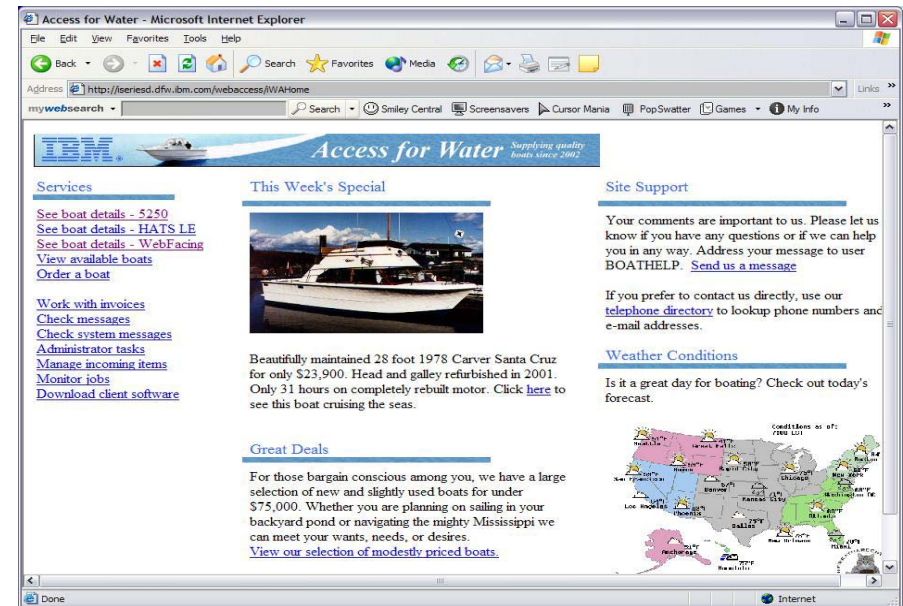
Done Internet

Your **Window** to your iSeries

Customized user 'window' to iSeries

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 iSeries
- Tie in with other web applications (such as WebFacing, HATS, etc from here as well
- Link to other systems, not just iSeries servers



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

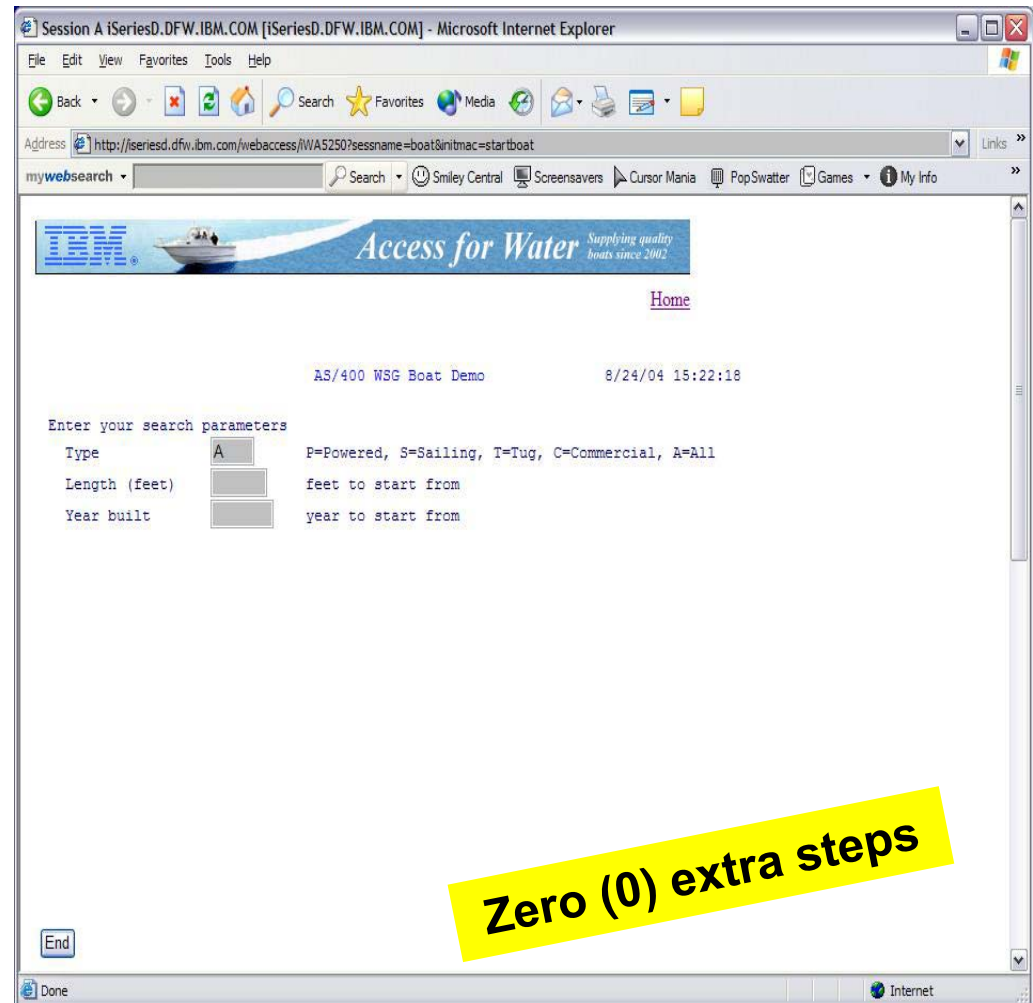
Using 5250 emulator in iSeries Access for Web

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



Article on how to do it

Go to iSeries Access Web page

At:

www.ibm.com/eserver/series/access/web

Select 'Articles' link, and find the one written in Jan/Feb 2003 labelled "Build a quick and easy Web site with iSeries Access for Web"

Weber on CA/400

Weber on CA/400

- **Who will benefit?** iSeries managers and developer administrators who want to Web-enable their iSeries applications.
- **What you'll learn:** Weber's step-by-step article details how you can use iSeries Access for the Web to provide browser-based access to iSeries applications and data. Because iSeries Access for Web is implemented as a set of Java servlets that run on the iSeries server, only a browser is required on the client.
- **Bottom line:** If your iSeries server is part of your company's Internet, you can use iSeries Access for Web to provide access to your resources for others within your company. If your iSeries server is part of the Internet, you can use iSeries Access for Web to provide access to your resources for your customers and suppliers. In this case, you also need to provide your customers and suppliers with a user profile to access your iSeries server. Regardless, through iSeries Access for Web, iSeries shops to extend their host applications and data to a browser-based environment and give both users and business partners access over the Web.

Build a quick and easy Web site with iSeries Access for Web

by Janet Weber

You can build a quick and easy Web site for your company with the customization support of iSeries Access for Web. No Java programming is required. You simply create HTML files and set configuration options. In this article, I demonstrate this capability by creating a Web site to sell books. This information is based on the functionality available with the V5R2 release of iSeries Access for Web. First introduced by IBM in September 2001, it provides a browser interface to iSeries resources, such as DB2 UDB, printer output, and OS/400 CL commands.

Home page and template files

iSeries Access for Web ships a default home page. This page is displayed when you access the home page URL `http://system01/webaccess/iWASHome`. The default home page is stored in the iSeries integrated file system in the following location: `/QIBND/ProdData/Access/WAb2/html/homepage.html`.

iSeries Access for Web also ships default template files. The template file contains the HTML source displayed at the top and bottom of each iSeries Access for Web content page. The location of the default template file is `/QIBND/ProdData/Access/WAb2/html/webaccess.html`. The %% values in the template file are replacement tags. We will discuss these later in the article.

First of all, we need to create a customized home page and a customized template file. We do not want to modify or update the files under `/QIBND/ProdData` since this directory tree is intended only for product files. Instead, we create a new directory named `/books/homepage` and place our files in it. Our customized home page contains links to view and order books. Our customized template file contains the company's logo. We discuss details of the file contents later in the article.



Janet Weber

Janet Weber is an industry software engineer in the IBM Rochester, Minnesota Laboratory.

She has had a variety of roles on the DC Support, Client Access, and iSeries Access products. Her focus has been on programming in iSeries. Janet is currently a member of the iSeries Access for Web development team.

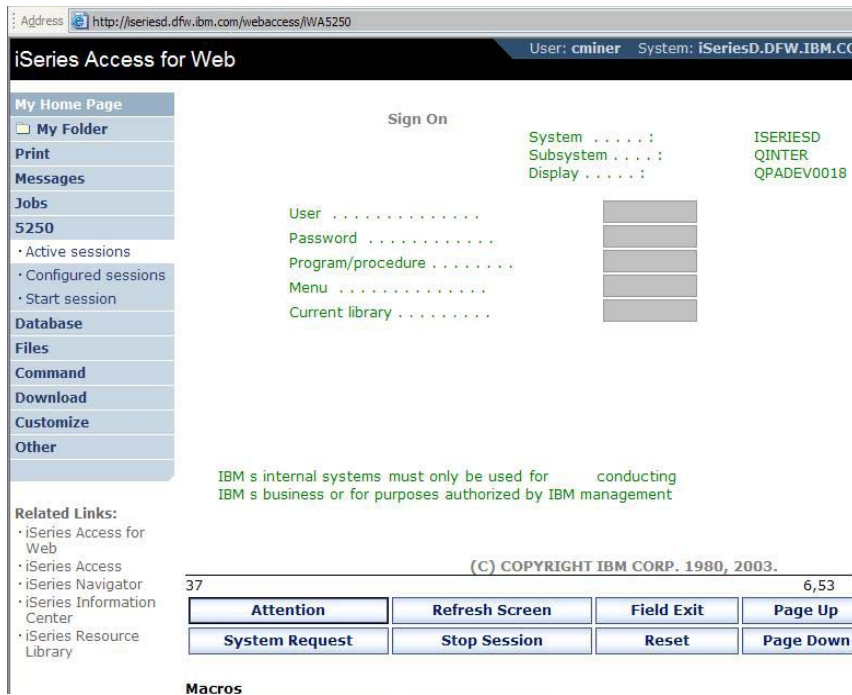
iSeries Access for Web has many entry points

Can enter at many different pages

Can use navigation bar to move from function to function

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

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



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



Entry points are documented in URL Interfaces doc

Download it from iSeries Access
Web page at

[www.ibm.com/eserver/iserries/
access/web](http://www.ibm.com/eserver/iserries/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 & Goodies in 'Other Tab'

iSeries Access fo

- 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 iSeries

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

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.

Buttons: Save Cancel Apply Shipped Defaults

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

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 iSeries Access for Web pages can be bookmarked

- Use bookmarks/favorites to access frequently access functions directly

Export iSeries 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'. The main content is divided into two columns. The left column is a navigation menu with items: My Home Page, My Folder, Print, Messages, Jobs, 5250, Database, Files, Command, Download, and Customize. Below this is an 'Other' section with links: Bookmarks, Change password, Connection pool status, Trace, and About. The right column is titled 'Other' and contains the following text: 'Perform other tasks on your iSeries server with iSeries Access for Web.' Below this are three sections: 'Bookmarks' with a bullet point 'Export bookmarks for iSeries Access for Web.', 'Change password' with a bullet point 'Change your password on your iSeries server.', and 'Connection pool status' with a bullet point 'Display summary of iSeries Access for Web connections to the iSeries Access servers.' Below these are 'Trace' with a bullet point 'Change trace settings for iSeries Access for Web.' and 'About' with a bullet point 'Display information about iSeries Access for Web.'

On the 'About' link under Other...

Product information about iSeries Access for Web

About end user connection

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

iSeries Access for Web properties

- IBM Toolbox for Java properties
- Connection pool settings

About iSeries Access for Web

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

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

Licensed Materials - Property of IBM

IBM is a registered trademark of International Business Machines Corp.

Product Information

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

Related Links:

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



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

Way down at the end of 'Other'

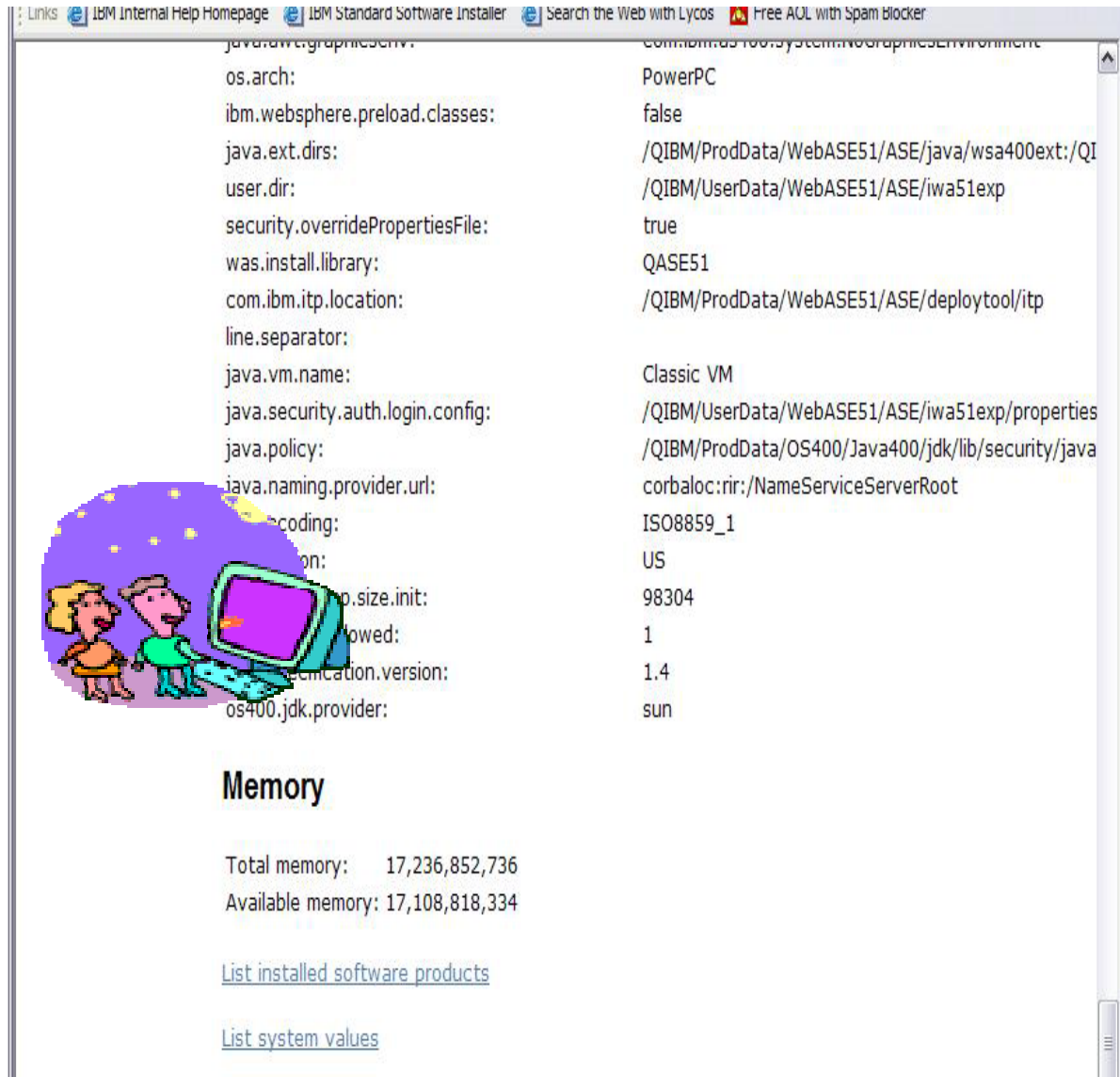
Memory

List installed software products on iSeries

- List Software fixes installed

List system values

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



java.awt.graphicsenv:	com.ibm.us.tools.systemawtgraphicsEnvironment
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
encoding:	ISO8859_1
on:	US
op.size.init:	98304
owed:	1
omication.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 iSeries

Software Products

- You can see all software products installed on the iSeries. 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 | 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: RCHL

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

Software Product Fixes

ID	Product	Option	Release	Target Release	Action Required	Action Pending	On Order
RS00068	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S111314	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S111476	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S111873	5722IP1	0000	V5R3M0		0	no	no
S112118	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S112136	5722IP1	0000	V5R3M0		0	no	no
S112180	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S113970	5722IP1	0000	V5R3M0		0	no	no
S114201	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S114239	5722IP1	0000	V5R3M0		0	no	no
S114636	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S114719	5722IP1	0000	V5R3M0		0	no	no
S115532	5722IP1	0000	V5R3M0		0	no	no
S115572	5722IP1	0000	V5R3M0		0	no	no
S117143	5722IP1	0000	V5R3M0		0	no	no
S117188	5722IP1	0000	V5R3M0	V5R3M0	0	no	no
S117456	5722IP1	0000	V5R3M0		0	no	no
S117738	5722IP1	0000	V5R3M0		0	no	no



More Tips

How can I get iSeries Access for Web to start automatically after my system IPLs?

I am using WAS V5 Express for iSeries

You can use a CL command to start your application server instance.

But before making the call, you need to be sure to start the WAS Express subsystem first by running the command:

```
STRSBS QASE5/QASE5
```

To start your application server from the i5/OS command line, run this command:

```
SBMJOB CMD(CALL PGM(QASE5/QASESTRSVR) PARM('-instance'  
'/QIBM/UserData/WEBASE/ASE5/instance')) JOB(instance) JOBQ(QASE5/QASE5)  
JOBQ(QASE5/QASE5) USER(QEJBSVR) LANGID(*USRPRF) CNTRYID(*USRPRF)  
CCSID(*USRPRF)
```

where instance is the name of the application server instance that you want to start. You can only start one application server when you run this command. To start additional application servers, you must run the command separately for each application server that you want to start.

Note: To run this command, your user profile must have *USE authority to the QEJBSVR user profile. Use the Edit Object Authority (EDTOBJAUT) command to add or verify that your user profile has this authority.

 Note: Refer to WAS documentation for additional details and other WAS versions

How can I get Access for Web to start automatically after my System i5 IPL's each night? (continued)

I am using WAS V5.1 "Base edition" for iSeries

You can configure the HTTP server for your WAS instance to automatically start the WAS instance when it starts.

Use the STRTCPSVR *HTTP HTTPSVR(IWA51BASE) command to start the HTTP server as part of your IPL procedures and it will start your WAS application server.

How can I get iSeries Access for Web to start automatically after my system IPLs? (continued)

STRTCPSVR *HTTP HTTPSVR(IWA51BASE)

The screenshot shows the 'HTTP Server Administration' window for 'IWA51BASE - Apache'. The 'General' tab is active, displaying the configuration for the 'WebSphere Application Server, V5.1 Base'. The 'WebSphere instance' is set to 'iwa51base'. Two dropdown menus are set to 'Yes', with blue arrows pointing to them. The left sidebar shows the navigation tree with 'WebSphere Application Server' selected.

Start all WebSphere application server(s) for the associated WAS instance when this HTTP server is started : Yes

Stop all WebSphere application server(s) for the associated WAS instance when this HTTP server is stopped : Yes

Additional information

The following resources are available

HTTP Server redbook

<http://www.redbooks.ibm.com/redpieces/pdfs/sg246716.pdf>

Section 6.3

Encrypting your data with SSL and TLS

Section 6.4

Proxy server: Protecting direct access

Information Center - Setting up a reverse proxy for HTTP server

[http://publib.boulder.ibm.com/series/v5r2/ic2924/index.htm?info/rzaie/rzaier
everseproxy.htm](http://publib.boulder.ibm.com/series/v5r2/ic2924/index.htm?info/rzaie/rzaier
everseproxy.htm)


See Appendix A for additional information

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