

## Part 4.

## Run 5250 in a browser



## System i Access for Web 5250 Interface

Runs as an interactive job

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

TN5250 port

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

**My Home Page**

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

**MAIN** i5/OS Main Menu System: LP016AB

Select one of the following:

- User tasks
- Office tasks
- General system tasks
- Files, libraries, and folders
- Programming
- Communications
- Define or change the system
- Problem handling
- Display a menu
- Information Assistant options
- iSeries Access tasks
90. Sign off

Selection or command  
 ==>

Exit Prompt Retrieve Cancel Information Assistant

Set initial menu

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37 20,7

Attention Refresh Screen Field Exit Page Up Enter

System Request Stop Session Reset Page Down

**Macros**

Macro: Shortcut to My macro for \*PUBLIC

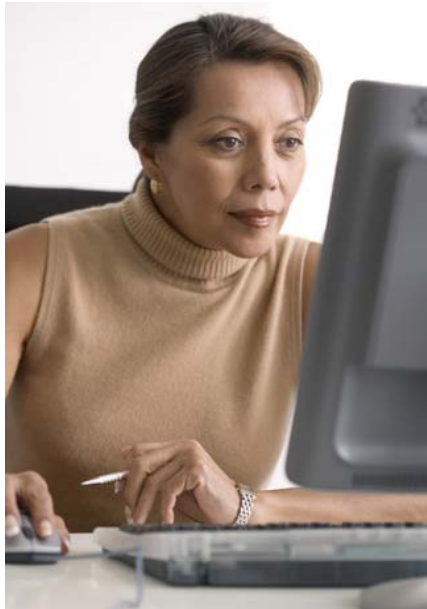
**Related Links:**

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

## Things to know

***Because 5250 session implemented using HTML, considerations to be aware of***

- **Not intended to replace full function emulators like PC5250, Host On Demand, etc. for purposes of "heads-down" data entry type of operations**
  - Does not include graphics, EHLAPPI, DDE functionality
  - Does not provide keyboard mapping
  - Does not support certain keys the way PC5250 does (ie, Field Exit)
- **Does not include Printer Emulation (push to printer)**
- **No direct interaction with server, so unsolicited server messages can't be received.**
  - Need to request refresh to see break messages
- **Does not include file transfer from session**



## Preconfigured Sessions

*This is the only 5250 function you  
will likely extend to your users*

## Run Pre-Configured 5250 Sessions

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

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

http://<systemi>:<port>/webaccess/iWAMain

The screenshot shows the 'iSeries Access for Web' interface. The user is logged in as 'adams System' on 'RCHLAND.IBM.COM'. The main content area is titled 'Configured Sessions' and contains a table with the following data:

Session	Action	Shortcut	Created By	Access
Shortcut to demo		Yes	smshao	*PUBLIC
Shortcut to Payroll		Yes	cminer	*PUBLIC

Below the table, there are several related links and their descriptions:

- [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.
- [My macros](#): Work with your macros.
- [My keypads](#): Work with your keypads.
- [5250 user interface help](#): View help for working with configured sessions.

## Run Pre-Configured 5250 Sessions

If you do not want users using anything in System i Access for Web except 5250, you could:

- Simply give them the 5250 url address (ie, <http://systemi/webaccess/iWA5250>)
- Set policies so users end up where you want them to be
  - Could include a macro so user bypasses i5/OS sign-on screen
- Predefine what screens will look like:
  - Colors
  - No Navigation pane

<http://<systemi>:<port>/webaccess/iWA5250>

The image shows two side-by-side screenshots of the iSeries Access for Web interface. The left screenshot, labeled 'Web look', is a modern web browser interface with a dark header, buttons for 'Field Exit', 'Erase EOF', and 'Host Print', and a list of menu options. The right screenshot, labeled 'Traditional green screen look', is a terminal-based interface with a dark background, green text, and a list of menu options. Both screens show the 'OS/400 Main Menu' and a list of tasks including 'User tasks', 'Office tasks', 'General system tasks', etc.

**Web look**

**Traditional 'green screen' look**

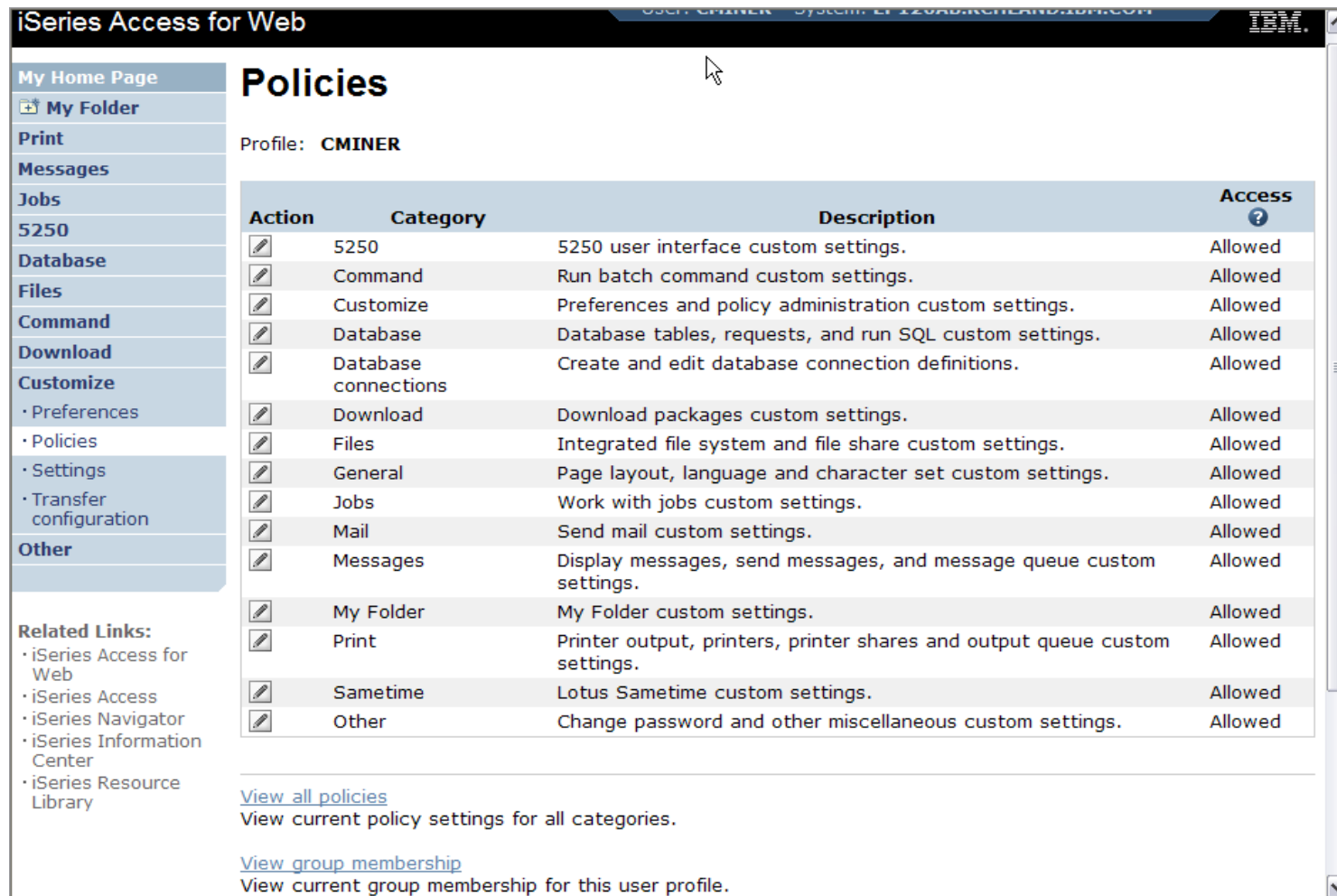


## Policies

**Policies are used by administrators to control the System i  
Access for Web functions and behavior**

# Policies

Only i5/OS user profiles with **\*SECADM** authority can access  
“Customize → Policies”



iSeries Access for Web

Profile: **CMINER**

**Policies**

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

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

[View group membership](#)  
View current group membership for this user profile.



## Setting Policies for 5250

When any user attempts to start a 5250 session to i5/OS using System i Access for Web, a check is made to see what policies have been set for this i5/OS user profile prior to displaying any information.

The following sequence of checks are made to authenticate user access:

- User profile
- Group profile
- \*PUBLIC profile  
(\*every System i Access for Web user is a member of \*PUBLIC user group)

iSeries Access for Web User: CMINER System: X1 .RCHLAND.IBM.COM

### Edit Policies - 5250

Profile: SALES

Policy	Derived From	Action	Setting
5250 access	Shipped default	Use current setting	Allow
5250 tab	Shipped default	Use current setting	Show
Start non-configured sessions	Shipped default	Use current setting	Allow
Prompt when starting non-configured sessions	Shipped default	Use current setting	Yes
Show server name in title	Shipped default	Use current setting	Yes
Show configured session name in title	Shipped default	Use current setting	No
Maximum active sessions	Shipped default	Use current setting	No maximum
Inactive session timeout	Shipped default	Use current setting	24 hours
Active sessions list columns	Shipped default	Use current setting	Columns...
Configured session to use for defaults	Shipped default	Use current setting	User defaults
Save settings as user defaults	Shipped default	Use current setting	Allow
Load settings from user defaults	Shipped default	Use current setting	Allow
Load settings from shipped defaults	Shipped default	Use current setting	Allow
Switch between Web/Traditional views	Shipped default	Use current setting	Allow
Edit active session settings	Shipped default	Use current setting	Allow
Bypass signon	Shipped default	Use current setting	Allow
Display HTML data in fields	Shipped default	Use current setting	Allow

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

## Policy settings to use only Preconfigured sessions

Set all the policies listed below to “deny” in order to limit users to using only preconfigured 5250 sessions.

- Start non-configured sessions
- Create configured session
- Copy configured session
- Delete configured session
- Rename configured session
- Edit configured session
- Create configured session shortcut
- Copy configured session shortcut
- Delete configured session shortcut
- Rename configured session shortcut

http://<systemi>:<port>/webaccess/iWAMain

The screenshot shows the 'iSeries Access for Web' interface. The user is 'adams' and the system is 'System RCHLA'. The main content area is titled 'Configured Sessions' and contains a table with the following data:

Session	Action	Shortcut	Created By	Access
Shortcut to demo		Yes	smshao	*PUBLIC
Shortcut to Payroll		Yes	cminer	*PUBLIC

Below the table, there are several related links and their descriptions:

- [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.
- [My macros](#): Work with your macros.
- [My keypads](#): Work with your keypads.
- [5250 user interface help](#): View help for working with configured sessions.

***In this example, other policies were also set to remove other functions from the Navigation pane***

## Policy settings to use only 5250 (no navigation pane)

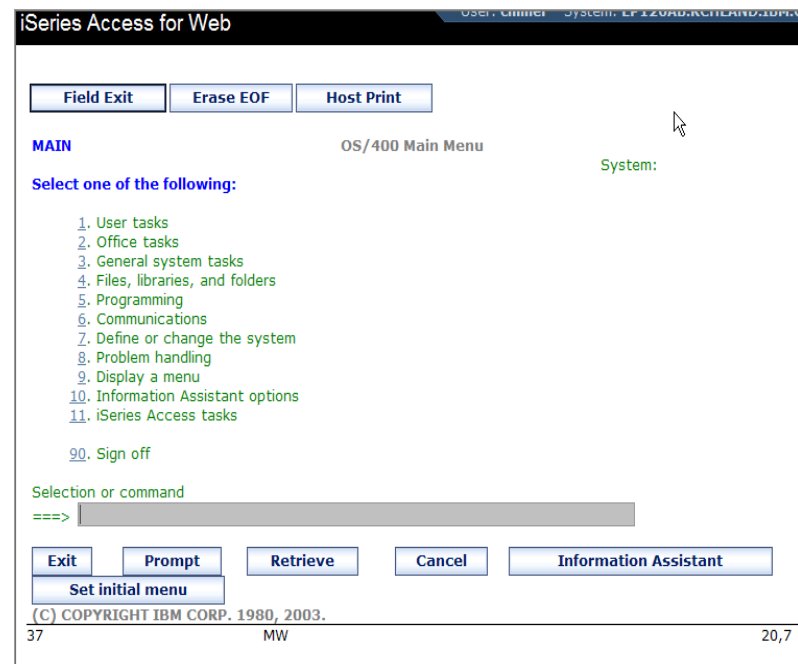
Here are some policies you could set to enable a user to go directly to a 5250 session and not see anything else in System i Access for Web

- Leave "Start non-configured sessions" on Allow
- Set "Prompt when starting non-configured sessions" to No
- In "Configured session to use for defaults", add a previously created Configured session that you have given this user/group profile a shortcut to

To entirely remove the Navigation pane, go to category "General"

- Navigation = Deny

<http://<systemi>:<port>/webaccess/iWA5250>



# Setting Default Session

Select the shortcut to the session to use as the default and apply the policy

**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

## Edit Policies - 5250

Profile: **SMSHAO**

Policy	Derived From ?	Action ?	Setting
5250 access	Shipped default	Use current setting	Allow
5250 tab	Shipped default	Use current setting	Show
Start non-configured sessions	Shipped default	Use current setting	Allow
Prompt when starting non-configured sessions	Shipped default	Use current setting	Yes
Show server name in title	Shipped default	Use current setting	Yes
Show configured session name in title	Shipped default	Use current setting	No
Maximum active sessions	Shipped default	Use current setting	No maximum
Inactive session timeout	Shipped default	Use current setting	24 hours
Active sessions list columns	Shipped default	Use current setting	<a href="#">Columns...</a>
Configured session to use for defaults	Shipped default	Use current setting	<div style="border: 1px dashed #ccc; padding: 2px;">                     User defaults                      User defaults                      Shortcut to single signon example for SMSHAO                      Shortcut to system A for SMSHAO                      Shortcut to system B for *PUBLIC                      single signon example                      system A                      system B                 </div>
Save settings as user defaults	Shipped default	Use current setting	
Load settings from user defaults	Shipped default	Use current setting	
Load settings from shipped defaults	Shipped default	Use current setting	
Switch between Web/Traditional views	Shipped default	Use current setting	Allow
Edit active session settings	Shipped default	Use current setting	Allow
Bypass signon	Shipped default	Use current setting	Allow

# 5250 Preferences

Preferences are settings that the user can modify

My Home Page

My Folder

Print

Messages

Jobs

5250

Database

Files

Command

Download

Customize

- Preferences
- Policies
- Settings
- Transfer configuration

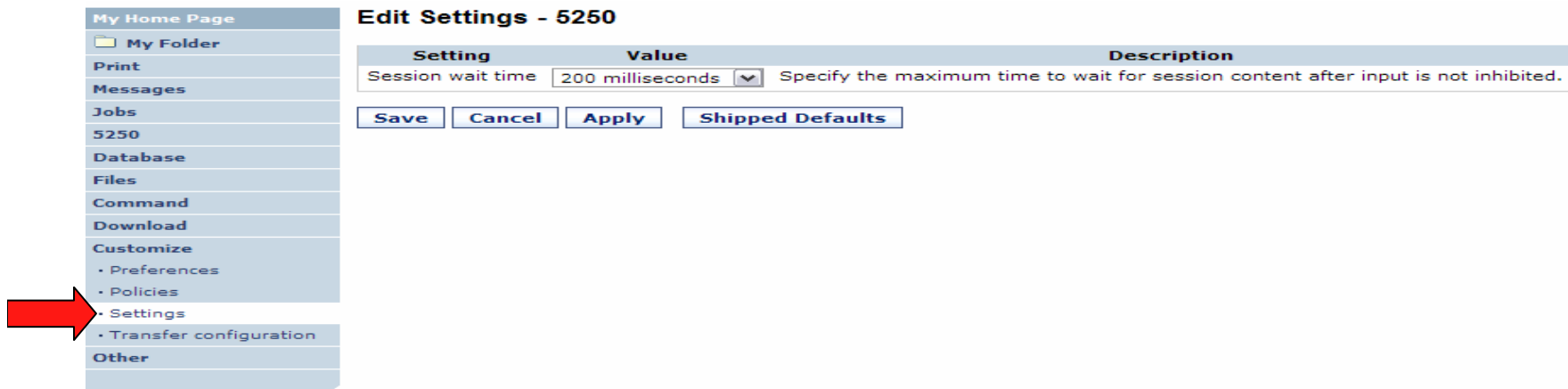
Other

### Edit Preferences - 5250

Preference	Derived From <sup>?</sup>	Action <sup>?</sup>	Setting
5250 tab	Shipped default	Use current setting <input type="button" value="v"/>	Show <input type="button" value="v"/> <input style="float: right;" type="button" value="?"/>
Prompt when starting non-configured sessions	Shipped default	Use current setting <input type="button" value="v"/>	Yes <input type="button" value="v"/> <input style="float: right;" type="button" value="?"/>
Show server name in title	Shipped default	Use current setting <input type="button" value="v"/>	Yes <input type="button" value="v"/> <input style="float: right;" type="button" value="?"/>
Show configured session name in title	Shipped default	Use current setting <input type="button" value="v"/>	No <input type="button" value="v"/> <input style="float: right;" type="button" value="?"/>
Active sessions list columns	Shipped default	Use current setting <input type="button" value="v"/>	<input type="button" value="Columns..."/> <input style="float: right;" type="button" value="?"/>
<b>Configured sessions</b>			
Configured sessions list columns	Shipped default	Use current setting <input type="button" value="v"/>	<input type="button" value="Columns..."/> <input style="float: right;" type="button" value="?"/>
<b>My macros</b>			
My macros list columns	Shipped default	Use current setting <input type="button" value="v"/>	<input type="button" value="Columns..."/> <input style="float: right;" type="button" value="?"/>

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

## 5250 Settings



**My Home Page**

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

**Edit Settings - 5250**

Setting	Value	Description
Session wait time	200 milliseconds	Specify the maximum time to wait for session content after input is not inhibited.

- **Settings are global – applies for all users and groups.**
- **Session wait time is the amount of time iWA5250 will wait after input inhibit is off before rendering the screen content.**
- **Bump this value up if the application or system is slow in responding.**



## Starting a 5250 session

# How to Start a 5250 Session

## Two options:

### 1. Select 'Start Session'

- Fill in information on Start Session and connect
- To save the session, select 'Active Session Settings' link at bottom of screen, modify any information you wish, then click on 'Save'

1

**iSeries Access for Web**

**Start Session**

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

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

**General**  
 Initial macro: [dropdown]  
 Bypass signon  
 Display HTML data in fields

**Start Session**

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

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

### 2. Select 'Configured Sessions'

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

2

**iSeries Access for Web**

**Configured Sessions**

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

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



## Use “Start Session” Dynamically













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

The screenshot shows the 'Start Session' web interface. On the left is a navigation menu with categories: My Home Page (My Folder, Print, Messages, Jobs, 5250, Active sessions, Configured sessions, Start session), Database, Files, Command, Download, Customize, and Other. Below the menu are 'Related Links' for iSeries Access for Web and iSeries Access. The main content area is titled 'Start Session' and contains three sections: 'Server' with fields for Server (mysystem), Port (23), and Code page (37); 'Workstation ID' with radio buttons for 'Use user ID' and 'Specify workstation ID' (selected), and checkboxes for 'Avoid duplicates for this user' and 'Avoid duplicates with other users' (checked); and 'General' with an 'Initial macro' dropdown and checkboxes for 'Bypass signon' and 'Display HTML data in fields'. A 'Start Session' button is at the bottom.

## Start a Configured Session

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

**Configured Sessions**

Session	Server	Action ?	Shortcut	Created By	Access
system A	LP016AB.RCHLAND.IBM.COM	     	No	smshao	smshao
system B	LP016AB.RCHLAND.IBM.COM	     	No	smshao	smshao

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

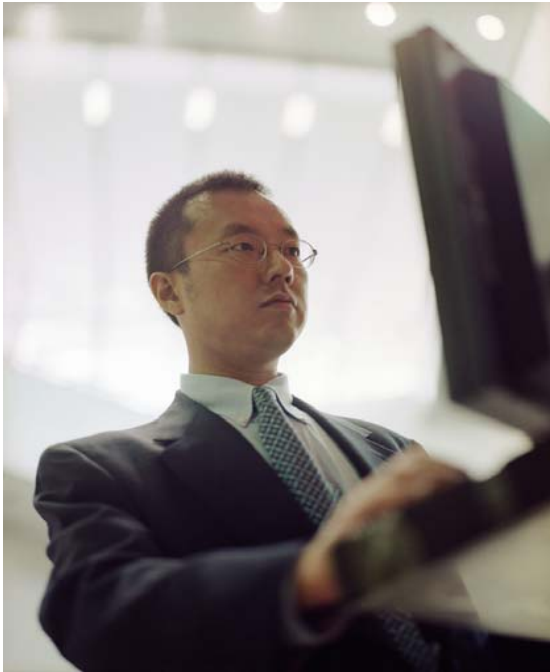
[Shortcuts to sessions you configured](#)  
Display a list of shortcuts to sessions you configured. Shortcuts can be deleted from this list.

[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.



## Configuration options for 5250 sessions













# Configure a New Session


Select the “Configure new session” link

**My Home Page**

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

### Configured Sessions

Session	Server	Action ?	Shortcut	Created By	Access
system A	LP016AB.RCHLAND.IBM.COM	     	No	smshao	smshao
system B	LP016AB.RCHLAND.IBM.COM	     	No	smshao	smshao

[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.

## Setting up a 5250 Session

### Select Session Name

- Name of this 'Configured' session

### Determine screen look

- Web View is default
- Traditional View can be selected

### Select System i to connect to

- Enter System Name or TCP/IP address
- Port Address

Configure New Session [X1519P4.RCHLAND.IBM.COM] - Microsoft Internet Explorer

File Edit View Favorites Tools Help

My Web Search Search Address <http://x1519p4.rchland.ibm.com/webaccess/IWACfgSession> Go Links

Google Go Bookmarks 42 blocked ABC Check AutoLink AutoFill Send to Settings

### Configure New Session

**General**

Session:  \* required

Default view: Web

Initial macro: Traditional  
Web

Bypass signon

Display HTML data in fields

Enable advanced JavaScript functions

**Server**

Server: X1519P4.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

**Related Links:**

[iSeries Access for Web](#)

[iSeries Access](#)

Done Internet

# Web View Vs Traditional View

## Bypass Signon – new in V5R4

- Uses the credential the user used to login to System i Access for Web
- Option available for configured and dynamically started session

The screenshot shows the 'Configure New Session' web interface. On the left is a navigation menu with sections: My Home Page, My Folder, Print, Messages, Jobs, 5250 (Active sessions, Configured sessions, Start session), Database, Files, Command, Download, Customize, and Other. Below the menu are 'Related Links' for iSeries Access for Web, iSeries Access, iSeries Navigator, and iSeries Information. The main content area is titled 'Configure New Session' and has three sections: General, Server, and Workstation ID. The General section includes fields for Session (marked \* required), Default view (set to Web), and Initial macro. It also has checkboxes for Bypass signon (highlighted with a red arrow), Display HTML data in fields, and Enable advanced JavaScript functions (checked). The Server section includes fields for Server (mysystem), Port (23), and Code page (37). The Workstation ID section has radio buttons for Use user ID and Specify workstation ID (selected), and checkboxes for Avoid duplicates for this user and Avoid duplicates with other users (checked).

**QRMTSIGN system value must be set to \*VERIFY to allow the 'Bypass Signon' feature to be accepted by i5/OS.**

## Configuring a New Session – Workstation ID

### Workstation ID

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

<b>Use user ID</b>	System i Access for Web authenticated user ID is used for the workstation ID, up to ten characters.
<b>Specify workstation ID</b>	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 i5/OS. The default device name starts with <i>QPADEV</i> .
<b><i>Avoid duplicates for this user:</i></b>	When this option is enabled, a wild card character is added to the device name to make it unique for the current user.
<b><i>Avoid duplicates with other users:</i></b>	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.



## 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, System i Access for Web only has display sessions.

## Workstation ID (continued)

### Keyword and special characters, continued...

**Short session ID (\*):** Adding this character will make the ID unique for this user.

- The System i 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 System i 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 and Traditional View settings

- Many keyboard and screen settings can be set to improve end user productivity and satisfaction
- Can also set up different text colors

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

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

Operator information area (OIA)
Color: Black

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

Operator information area (OIA)
Color: Blue

Background colors
The browser background color is used.

Background colors
Color: Black

Save Cancel Save As Defaults Load Defaults

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

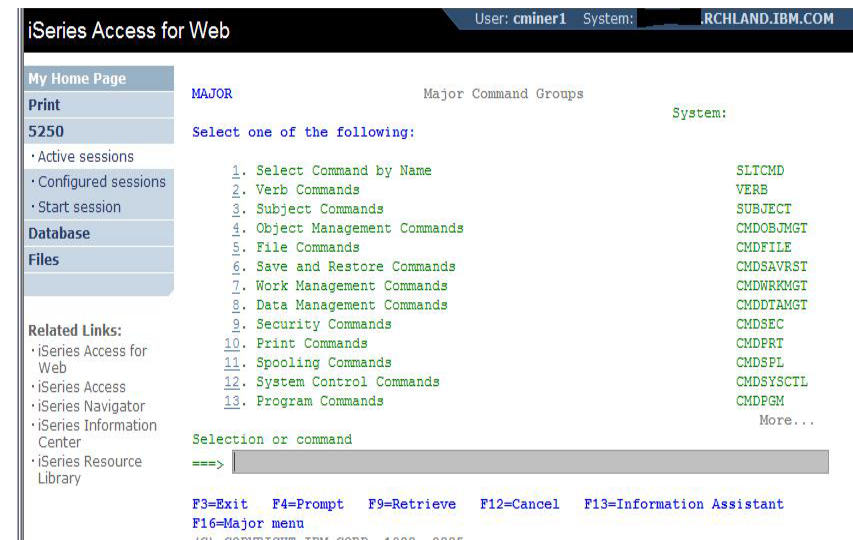
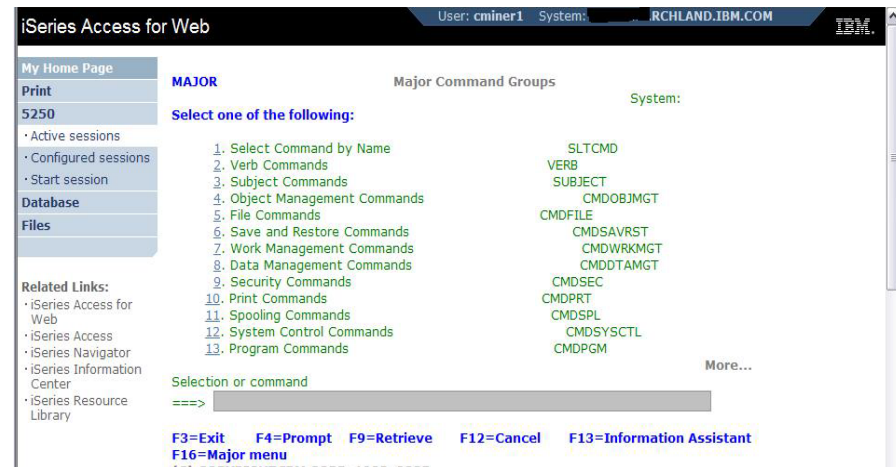
## Example: 5250 - Proportional Width vs. Fixed Width

Default for 'Web View' 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.*



## Fonts

### System i Access for Web 5250 is rendered with HTML

- Fonts are controlled by the browser
- Use browser options to change the font style and font size

# Enable Active Function Keys As Buttons

## Defaults:

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

Can uncheck these boxes to deliver a more traditional view

The screenshot shows the 'iSeries Access for Web' interface. At the top, it displays 'User: cminer1 System: RCHLAND.IBM.COM'. The main menu is titled 'i5/OS Main Menu' and lists various options: 1. User tasks, 2. Office tasks, 4. Files, libraries, and folders, 6. Communications, 8. Problem handling, 9. Display a menu, 10. Information Assistant options, 11. iSeries Access tasks, and 90. Sign off. Below the menu is a 'Selection or command' field and several buttons: Exit, Prompt, Retrieve, Cancel, Information As, and Set initial menu. A message at the bottom states 'Command MAJOR in library \*LIBL not found.' Below the main interface, a detailed view of the '5250' session is shown, including CPU usage, elapsed time, and active jobs. A table lists active jobs with columns for Opt, Subsystem/Job, User, Type, CPU %, Function, and Status. The table includes jobs like QBATCH, QCMN, QCTL, QSYSSCD, QHTTSPVR, ADMIN, and JAHARRIS. At the bottom, there are function key shortcuts: F3=Exit, F5=Refresh, F7=Find, F10=Restart statistics, F11=Display elapsed data, F12=Cancel, F23=More options, and F24=More keys.

## Setting User Defaults

“Save As Default” saves this session configuration as the default for the current user.

Can be performed from active session settings or configured session settings.



















<b>Foreground colors</b> 5250    Browser	<b>Foreground colors</b> 5250    Browser			
Black: <input type="text" value="Black"/> ▼	Black: <input type="text" value="Black"/> ▼			
Blue: <input type="text" value="Blue"/> ▼	Blue: <input type="text" value="Blue"/> ▼			
Green: <input type="text" value="Green"/> ▼	Green: <input type="text" value="Green"/> ▼			
Cyan: <input type="text" value="Teal"/> ▼	Cyan: <input type="text" value="Teal"/> ▼			
Red: <input type="text" value="Red"/> ▼	Red: <input type="text" value="Red"/> ▼			
Magenta: <input type="text" value="Fuchsia"/> ▼	Magenta: <input type="text" value="Fuchsia"/> ▼			
Brown: <input type="text" value="Yellow"/> ▼	Brown: <input type="text" value="Yellow"/> ▼			
White: <input type="text" value="Gray"/> ▼	White: <input type="text" value="White"/> ▼			
<hr/>				
<b>Operator information area (OIA)</b>	<b>Operator information area (OIA)</b>			
Color: <input type="text" value="Black"/> ▼	Color: <input type="text" value="Blue"/> ▼			
<hr/>				
<b>Background colors</b> The browser background color is used.	<b>Background colors</b>			
	Color: <input type="text" value="Black"/> ▼			
<hr/>				
<input type="button" value="Save"/>	<input type="button" value="Cancel"/>	<input type="button" value="Save As Defaults"/>	<input type="button" value="Defaults"/>	<input type="button" value="Load Shipped Defaults"/>

[5250 user interface help](#)  
View help for editing a configured session.

## Configured Session Actions

My Home Page		Configured Sessions					
My Folder							
Print							
Messages							
Jobs							
5250							
• Active sessions							
• Configured sessions							

Session	Server	Action ?	Shortcut	Created By	Access
Shortcut to system A	LP016AB.RCHLAND.IBM.COM	   	Yes	smshao	smshao
Shortcut to system B	LP016AB.RCHLAND.IBM.COM	 	Yes	smshao	*PUBLIC
system A	LP016AB.RCHLAND.IBM.COM	     	No	smshao	smshao
system B	LP016AB.RCHLAND.IBM.COM	     	No	smshao	smshao

<b>Start</b>	<b>Start the configured session</b>
<b>Copy</b>	<b>Make a copy of the configured session for yourself</b>
<b>Delete</b>	<b>Delete the configured session</b>
<b>Rename</b>	<b>Rename the configured session</b>
<b>Create Shortcut</b>	<b>Share the configured session with another user or group of users</b>
<b>Edit</b>	<b>Change the configured session settings</b>



## Creating Shortcuts to your configured sessions



## Shortcuts

- **Shortcut is a pointer to a System i Access for Web object**
  - Configured 5250 session
  - Database request
  - Shortcuts to an object are deleted when the object is deleted
- **The objects is only accessible to the user that created it**
- **Can share the object with other users**
  - Create shortcut for user or group to share with user or group
- **User of the shortcut has read only access to the object**
  - Cannot modify or delete the object

# Shortcut Example

Session	Server	Action ?	Shortcut	Created By	Access
Shortcut to system A	LP016AB.RCHLAND.IBM.COM		Yes	smshao	smshao
Shortcut to system B	LP016AB.RCHLAND.IBM.COM		Yes	smshao	*PUBLIC
system A	LP016AB.RCHLAND.IBM.COM		No	smshao	smshao
system B	LP016AB.RCHLAND.IBM.COM		No	smshao	smshao

Annotations:

- Shortcut granted to user profile (points to Action column)
- Indicates if request is a shortcut (points to Shortcut column)
- User or group that was granted access (points to Access column)
- Shortcut granted to group the user belongs to (points to Action column)
- Owner of the request (points to Created By column)

## Create 'Shortcuts' to Configured Sessions

### Your Configured Session

- Create 'Shortcuts' for other users

### Can set Policies

- To restrict what users can do with your shortcut.

### – Do not allow users to:

- Copy your shortcut
- Delete your shortcut
- Rename your shortcut

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

**Create Shortcut**

Create shortcut to "Inventory "

Shortcut name:

Access:

**Access Details**



















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

## Finding Shortcuts You Created

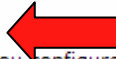
**My Home Page**

- My Folder
- Print
- Messages
- Jobs
- 5250
  - Active sessions
  - Configured sessions
  - Start session
- Database
- Files
- Command

### Configured Sessions

Session	Server	Action ?	Shortcut	Created By	Access
Shortcut to system A	LP016AB.RCHLAND.IBM.COM	   	Yes	smshao	smshao
Shortcut to system B	LP016AB.RCHLAND.IBM.COM	 	Yes	smshao	*PUBLIC
system A	LP016AB.RCHLAND.IBM.COM	     	No	smshao	smshao
system B	LP016AB.RCHLAND.IBM.COM	     	No	smshao	smshao

[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.

Click the “Shortcuts to sessions you configured” link

## Managing Shortcuts You Created

- List of shortcuts you created
- Delete shortcuts you created

My Home Page

My Folder

Print

Messages

Jobs

5250

• Active sessions

• Configured sessions

• Start session

### Shortcuts to Sessions You Configured

◀ ◀◀ ◀ [1] ▶ ▶▶ ▶ 🔍

Session	Shortcut	Access	Action
system A	Shortcut to system A	smshao	
system B	Shortcut to system B	*PUBLIC	

◀ ◀◀ ◀ [1] ▶ ▶▶ ▶ 🔍



**Creating Macros**

**Shortcuts to Macros**

**Adding Macros to  
Preconfigured sessions**

## Macros

### Behave differently than PC5250

- Keys processed on a screen by screen basis
  - PC5250 – every key is recorded and played back
  - System i Access for Web – cursor positioned in field and keys entered into field
- On a given screen, keys may not be processed in the same order as they are entered
- Functionally equivalent, but behaves differently



# Recording Macros

**My Home Page**

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

**Sign On**

System . . . . . : LP016AB  
Subsystem . . . . . : QINTER  
Display . . . . . : QPADEV000G

User . . . . . :   
Password . . . . . :   
Program/procedure . . . . . :   
Menu . . . . . :   
Current library . . . . . :

RELEASE: V05R04M00  
DRIVER: 4501130

USE OF THIS SYSTEM IS FOR IBM MANAGEMENT APPROVED PURPOSES ONLY.  
USE IS SUBJECT TO AUDIT AT ANY TIME BY IBM MANAGEMENT.

(C) COPYRIGHT IBM CORP. 1980, 2005.

37 6,53

Attention	Refresh Screen	Field Exit	Page Up	Enter
System Request	Stop Session	Reset	Page Down	

**Macros**

Macro:

# Stop Recording

**My Home Page**

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

**Sign On**

System . . . . . : LP016AB  
Subsystem . . . . . : QINTER  
Display . . . . . : QPADEV000G

User . . . . . :   
Password . . . . . :   
Program/procedure . . . . . :   
Menu . . . . . :   
Current library . . . . . :

RELEASE: V05R04M00  
DRIVER: 4501130

USE OF THIS SYSTEM IS FOR IBM MANAGEMENT APPROVED PURPOSES ONLY.  
USE IS SUBJECT TO AUDIT AT ANY TIME BY IBM MANAGEMENT.

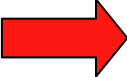
(C) COPYRIGHT IBM CORP. 1980, 2005.

37 R 6,53

Attention	Refresh Screen	Field Exit	Page Up	Enter
System Request	Stop Session	Reset	Page Down	

**Macros**

Macro:



## Naming the Macro



**Save Macro**

Macro:

Replace if already exists

My Home Page

My Folder

Print

Messages

Jobs

5250

- Active sessions
- Configured sessions
- Start session

Database

Files

Command

Download

Customize

Other

# Playing Macro

**My Home Page**

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

**Sign On**

System . . . . . : LP016AB  
Subsystem . . . . . : QINTER  
Display . . . . . : QPADEV000G

User . . . . . :   
Password . . . . . :   
Program/procedure . . . . . :   
Menu . . . . . :   
Current library . . . . . :

RELEASE: V05R04M00  
DRIVER: 4501130

USE OF THIS SYSTEM IS FOR IBM MANAGEMENT APPROVED PURPOSES ONLY.  
USE IS SUBJECT TO AUDIT AT ANY TIME BY IBM MANAGEMENT.

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37 6,53

Attention	Refresh Screen	Field Exit	Page Up	Enter
System Request	Stop Session	Reset	Page Down	

**Macros**

Macro:

# Managing Macros

**Related Links:**

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

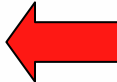
(C) COPYRIGHT IBM CORP. 1980, 2005.

37 6,53

Attention	Refresh Screen	Field Exit	Page Up	Enter
System Request	Stop Session	Reset	Page Down	

**Macros**

Macro:

- [Traditional view](#)  
Switch this session to traditional view.
- [Active session settings](#)  
Change the settings for this session.
- [Active sessions](#)  
Work with your active sessions.
- [Configured sessions](#)  
Work with your configured sessions.
- [My macros](#)  
Work with your macros. 
- [My keypads](#)  
Work with your keypads.
- [5250 user interface help](#)  
View help for using the 5250 user interface.

# My Macro List → Edit Macro

**My Home Page**

My Folder

Print

Messages

Jobs

5250

- Active sessions
- Configured sessions
- Start session

Database

Files

Command

Download

Customize

Other

## My Macros

<<< [1] >>> 🔍

Macro	Action <span style="font-size: small;">?</span>	Shortcut	Created By	Access
my login macro		No	smshao	smshao
Shortcut to My macro		Yes	aliciam	*PUBLIC

<<< [1] >>> 🔍

---

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

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

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

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

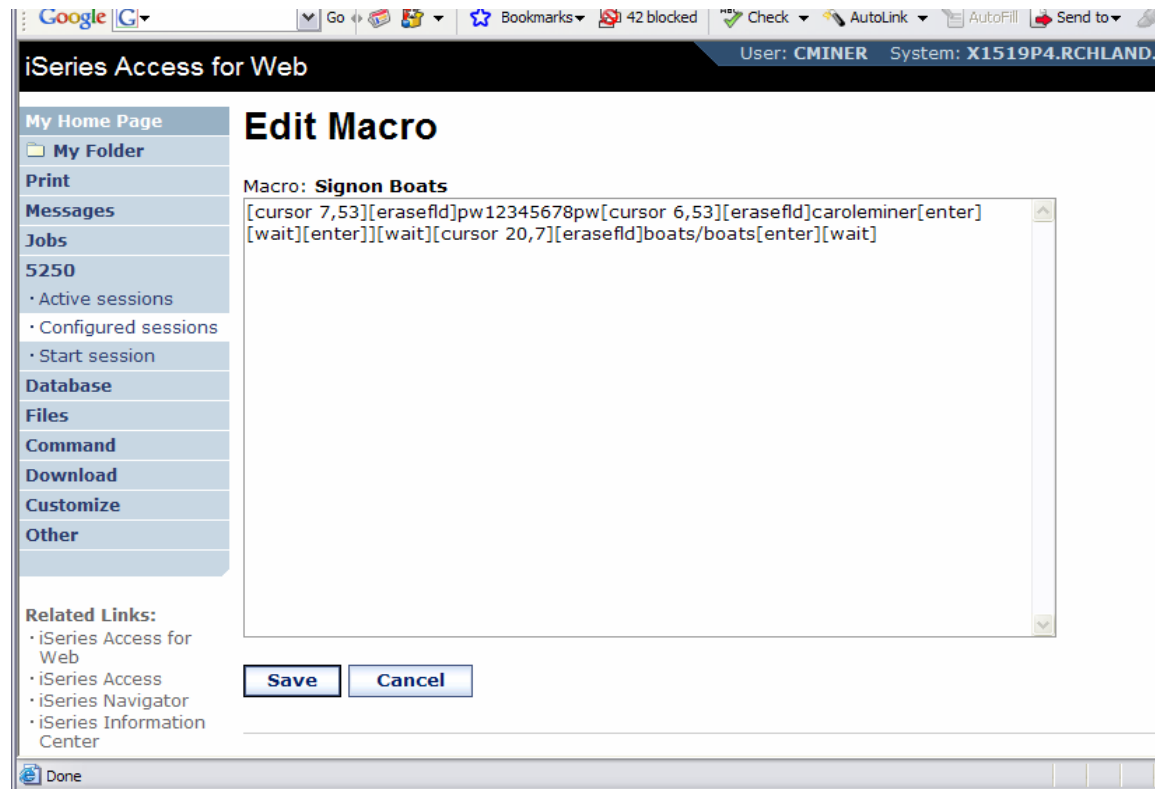
## Single Sign On with Macro

- **Create a macro to login to 5250**
  - Using your own user ID and password
- **Edit the macro and replace your user ID and password with directives to use the user's login**
- **Share the macro (create shortcut) with the user or group**
- **Associate the macro with a session so the macro is executed when the session starts**
- **Share the session (create shortcut) with the user or group**

## Editing a Macro

This macro was created to bypass the i5/OS sign-on screen and to put the user directly into an RPG application called BOATS.

- Note that the user-ID and password are listed in clear text.





## Edit Macro

Replace the recorded user ID with [user]  
Replace the recorded password with [password]

**Edit Macro**

Macro: **macro example**

```
[cursor 6,53][erasefld][user][cursor  
7,53][erasefld][password][enter][wait][enter][wait][cursor  
20,7][erasefld]wrkactjob[enter][wait]
```

Related Links:  
• iSeries Access for Web

# Supported Commands for Macros

The supported cursor positioning commands are:

## General macro commands

[attn] - Attention  
 [altview] - Alternate View  
 [backspace] - Backspace  
 [backtab] - Backtab  
 [bof] - Beginning of field  
 [clear] - Clear  
 [down] - Cursor down  
 [left] - Cursor left  
 [right] - Cursor right  
 [cursel] - Cursor select  
 [up] - Cursor up  
 [delete] - Delete character  
 [dspsosi] - Display SO/SI  
 [dup] - DUP field  
 [enter] - Enter  
 [eof] - End of field  
 [eraseeof] - Erase EOF  
 [erasefld] - Erase field  
 [erinp] - Erase input  
 [fldext] - Field exit  
 [fieldmark] - Field mark  
 [field-] - Field minus  
 [field+] - Field plus

## General macro commands...

[pf1] - F1  
 [pf2] - F2  
 [pf3] - F3  
 [pf4] - F4  
 [pf5] - F5  
 [pf6] - F6  
 [pf7] - F7  
 [pf8] - F8  
 [pf9] - F9  
 [pf10] - F10  
 [pf11] - F11  
 [pf12] - F12  
 [pf13] - F13  
 [pf14] - F14  
 [pf15] - F15  
 [pf16] - F16  
 [pf17] - F17  
 [pf18] - F18  
 [pf19] - F19  
 [pf20] - F20  
 [pf21] - F21  
 [pf22] - F22  
 [pf23] - F23  
 [pf24] - F24  
 [help] - Help  
 [home] - Home  
 insert] - Insert  
 [newline] - New line  
 [pa1] - PA1  
 [pa2] - PA2  
 [pa3] - PA3  
 [pageup] - Page up  
 [pagedn] - Page down  
 [reset] - Reset  
 [sysreq] - System request  
 [tab] - Tab field

## Bi-directional text support commands

[base] - Base  
 [close] - Close  
 [fldrev] - Field reverse  
 [latinlayer] - Latin layer  
 [screenrev] - Screen reverse

## Other macro commands

[cursor row,column] - Locate cursor at specified row and column. Row and column must be numbers.  
 [password] - authenticated password  
 [pause] - Pause 1 second  
 [pause n] - Pause n seconds  
 [user] - authenticated user-ID  
 [wait] - Wait for input

# Sharing a Macro

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

## My Macros

Create shortcut



◀ ◀ ◀ [1] ▶ ▶ ▶ ↻

Macro	Action	Shortcut	Created By	Access
my login macro		No	smshao	smshao
Shortcut to My macro		Yes	aliciam	*PUBLIC

◀ ◀ ◀ [1] ▶ ▶ ▶ ↻

[Active sessions](#)

Work with your active sessions.

[Shortcuts to macros you recorded](#)

Display a list of shortcuts to macros you recorded. Shortcuts can be deleted from this list.

[Configured sessions](#)

Work with your configured sessions.

[Start session](#)

Start a new session.

# Add a macro to a New Session

iSeries Access for Web User: CMINER System: X15

**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 Library

## Configure New Session

**General** ?

Session:  \* required

Default view:

Initial macro:  Office Tasks

Bypass signon

Display HTML data in fields

Enable advanced JavaScript functions

**Server** ?

Server:

Port:

Code page:

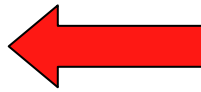
**Workstation ID**

Use user ID

Specify workstation ID

Avoid duplicates for this user

Avoid duplicates with other users



All macros you have created will appear in pull-down

**My Home Page**

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

## 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:

# Share the Session / Share the Macro

By giving a user or group profile access via 'Create Shortcut'

**My Home Page**

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

### Create Shortcut

Create shortcut to "single signon example"

Shortcut name:

Access:

---

### Access Details

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

---

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

**My Home Page**

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

### Create Shortcut

Create shortcut to "macro example"

Shortcut name:

Access:

---

### Access Details

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

---

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

# Starting the Session

**My Home Page**

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

Related Links:

### Configured Sessions

Session	Server	Action ?	Shortcut	Created By	Access
Shortcut to single signon example	lp016ab.rchland.ibm.com			hao	smshao
Shortcut to system A	LP016AB.RCHLAND.IBM.COM		Yes	smshao	smshao
Shortcut to system B	LP016AB.RCHLAND.IBM.COM		Yes	smshao	*PUBLIC
single signon example	lp016ab.rchland.ibm.com		No	smshao	smshao
system A	LP016AB.RCHLAND.IBM.COM		No	smshao	smshao
system B	LP016AB.RCHLAND.IBM.COM		No	smshao	smshao

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

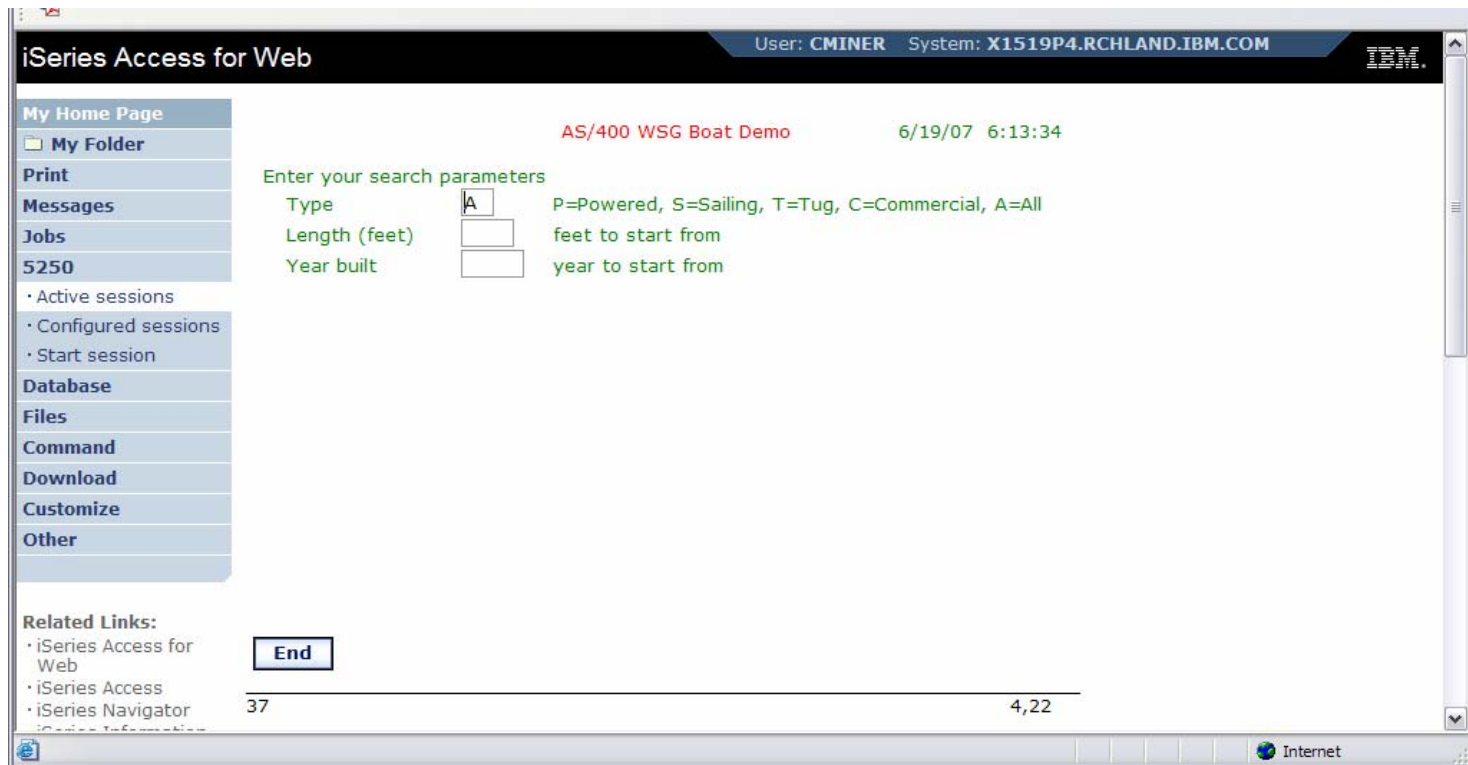
[Shortcuts to sessions you configured](#)  
Display a list of shortcuts to sessions you configured. Shortcuts can be deleted from this list.

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

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

## Start Session Result

- User is taken directly to the application
- 5250 session is logged in using the user's ID and password



# Managing Macro Shortcuts

Shows all macros I have created, plus shortcuts

My Home Page

My Folder

Print

Messages

Jobs

5250

- Active sessions
- Configured sessions
- Start session

Database

Files

Command







Download

Customize

Other

## My Macros

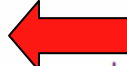
◀ ◀ ◀ [1] ▶ ▶ ▶ ↻

Macro	Action ?	Shortcut	Created By	Access
my login macro	    	No	smshao	smshao
Shortcut to My macro		Yes	aliciam	*PUBLIC

◀ ◀ ◀ [1] ▶ ▶ ▶ ↻

---

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

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

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

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



# Macro Shortcut List

Shows just shortcuts I have created

**My Home Page**

My Folder

Print

Messages

Jobs

5250

- Active sessions
- Configured sessions
- Start session

Database

Files

Command

Download

Customize

Other

## Shortcuts to Macros You Recorded

◀ ◀ ◀ [1] ▶ ▶ ▶ ↻

Macro	Shortcut	Access	Action
my login macro	Shortcut to my login macro	smshao	

◀ ◀ ◀ [1] ▶ ▶ ▶ ↻

---

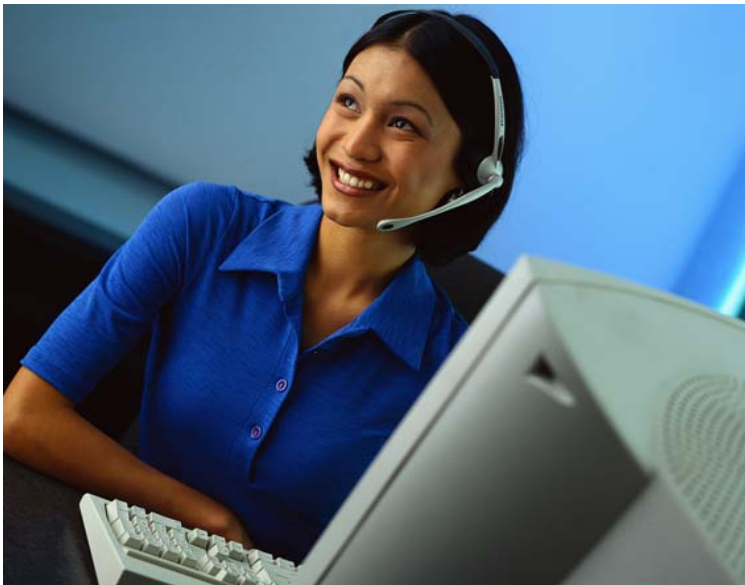
[My macros](#)  
Work with your macros.

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

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

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

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



## Active Sessions

## Active Session

- An active session is a session that has been started
  - Dynamically or configured session
- A user may have more than one active session

iSeries Access for Web







User: CMINER System: X15

IBM

My Home Page

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

**Active Sessions**

Server	Session	Started	Last Accessed	View	Action
X15	B - Sales	3/27/07 2:00:39 PM CDT	3/27/07 2:00:54 PM CDT	Web	  
X15	A - Inventory	3/27/07 1:59:30 PM CDT	3/27/07 2:00:24 PM CDT	Web	  

View-only sessions  
Display a list of active sessions others are sharing with me.

Shared sessions  
Display a list of active sessions I am sharing with others.

Configured sessions  
Work with your configured sessions.


Start session  
Start a new session.

Related Links:

- iSeries Access for Web [My macros](#)  
Work with your macros.
- iSeries Access
- iSeries Navigator
- iSeries Information Center [My keypads](#)  
Work with your keypads.
- iSeries Resource Library [5250 user interface help](#)  
View help for working with active sessions.

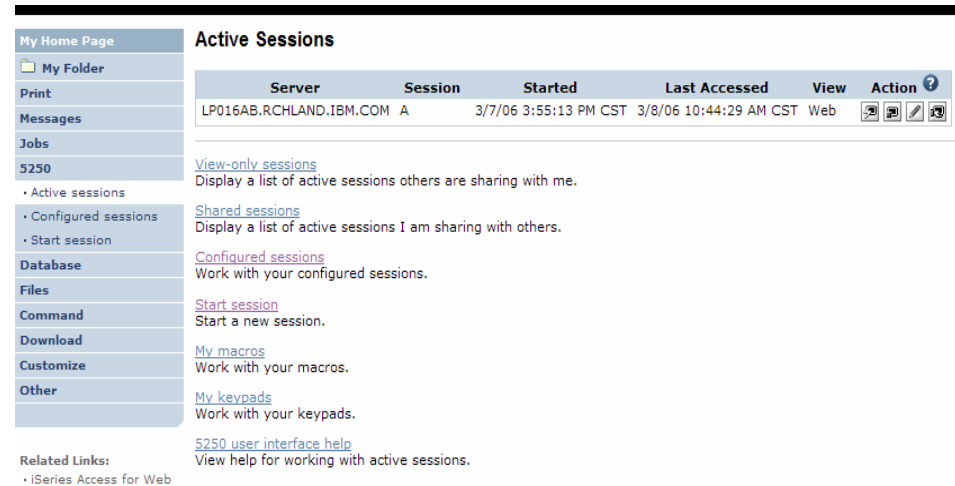
Internet

**Reconnect**




## Active Session Life Span

- **Session resides on the server, not the workstation**
- **Session remains active until**
  - **User ends (stops) the session, or**
  - **Session time out due to inactivity**
    - **Time out value is configurable through Access for Web**



**Active Sessions**

Server	Session	Started	Last Accessed	View	Action
LP016AB.RCHLAND.IBM.COM	A	3/7/06 3:55:13 PM CST	3/8/06 10:44:29 AM CST	Web	

[View-only sessions](#)  
 Display a list of active sessions others are sharing with me.

[Shared sessions](#)  
 Display a list of active sessions I am sharing with others.

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

Related Links:  
 • iSeries Access for Web

### Taking advantage of active session behavior

- **Leave the session and browse on the web, or**
- **Leave your workstation and go to another workstation and**
- **Reconnect to your session**

## Ending a Session

**Closing the browser or turning off the workstation does not end the session**

- **Two ways to end a session**
  - From an active session
  - From active session list
  
- **Properly cleaning up TN5250 connection**
  - Frees up resources in application server (Access for Web)
  - Frees up resources on target server (TN5250)

# Ending a Session from Active Session

**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

Sign On

System ..... : LP016AB  
 Subsystem ..... : QINTER  
 Display ..... : QPADEV000G

User ..... :   
 Password ..... :   
 Program/procedure ..... :   
 Menu ..... :   
 Current library ..... :

RELEASE: V05R04M00  
 DRIVER: 4501130

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(C) COPYRIGHT IBM CORP. 1980, 2005.

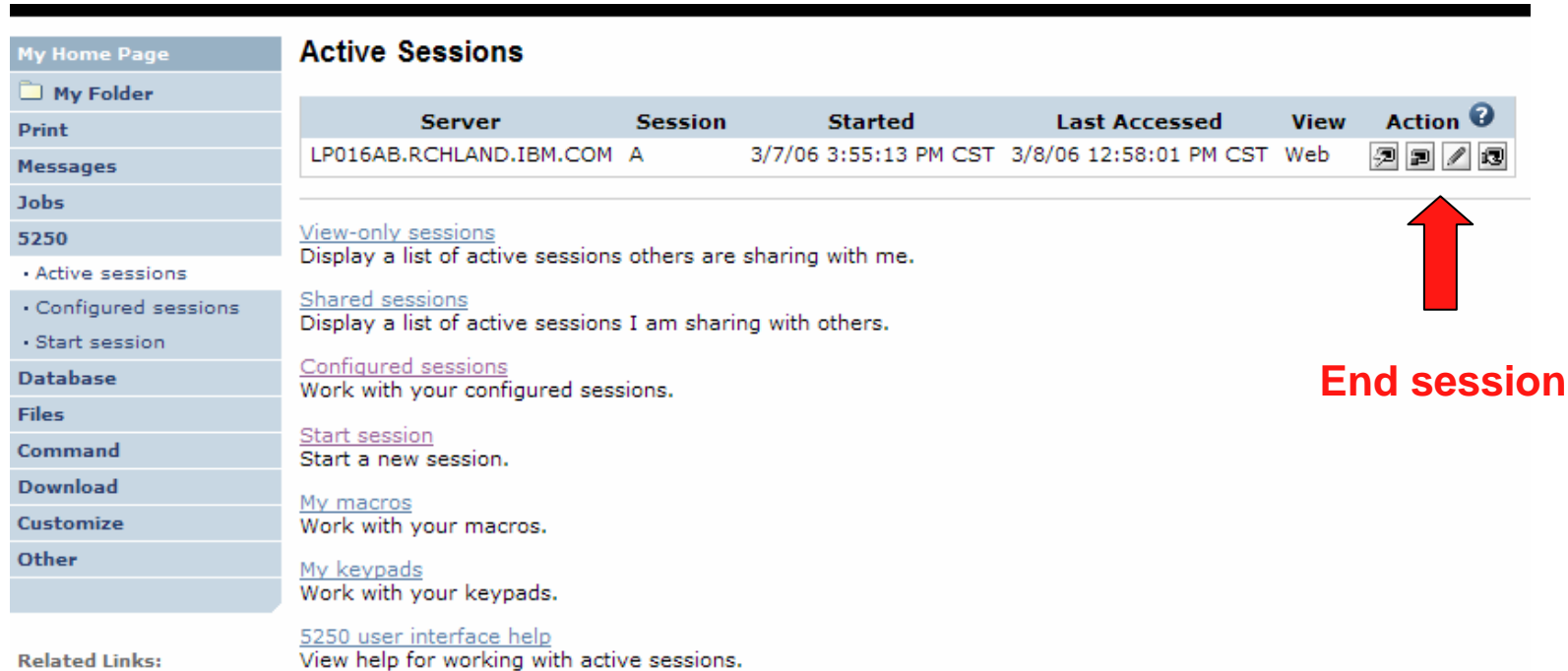
37 6,53

Attention	Refresh Screen	Field Exit	Page Up	Enter
System Request	Stop Session	Reset	Page Down	







**End this active session**

## Ending a Session from Active Session List



**Active Sessions**

Server	Session	Started	Last Accessed	View	Action ?
LP016AB.RCHLAND.IBM.COM	A	3/7/06 3:55:13 PM CST	3/8/06 12:58:01 PM CST	Web	   

[View-only sessions](#)  
Display a list of active sessions others are sharing with me.

[Shared sessions](#)  
Display a list of active sessions I am sharing with others.

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

**End session**

# Changing Active Session Settings

## Does not affect the configured session settings

- The changes are tied to the running instance of the session
- Changes only affect how this particular active session behaves

## Some settings are not modifiable

- Server name
- Port
- Code page
- Workstation ID
- Default view (web or traditional)
- Initial macro

The screenshot displays the IBM System i session interface. On the left, a vertical menu contains options: Command, Download, Customize, and Other. The main area shows system information: 'RELEASE: V05R04M00' and 'DRIVER: 4501130'. Below this is a warning: 'USE OF THIS SYSTEM IS FOR IBM MANAGEMENT APPROVED PURPOSES ONLY. USE IS SUBJECT TO AUDIT AT ANY TIME BY IBM MANAGEMENT.' A copyright notice '(C) COPYRIGHT IBM CORP. 1980, 2005.' is visible. The session number '37' and page number '6,53' are shown. A grid of control buttons includes 'Attention', 'Refresh Screen', 'Field Exit', 'Page Up', 'Enter', 'System Request', 'Stop Session', 'Reset', and 'Page Down'. A 'Macros' section shows a dropdown menu set to 'Shortcut to My macro for \*PUBLIC' and a 'Play Macro' button. A 'Start Recording' button is also present. At the bottom, there are links for 'Traditional view' (to switch to traditional view) and 'Active session settings' (to change settings for this session).



## Active Session - Web View

The screenshot displays the IBM System i Web View interface. On the left is a navigation menu with options like 'My Home Page', 'My Folder', 'Print', 'Messages', 'Jobs', '5250', 'Active sessions', 'Configured sessions', 'Start session', 'Database', 'Files', 'Command', 'Download', 'Customize', and 'Other'. Below this is a 'Related Links' section with links to 'iSeries Access for Web', 'iSeries Access', 'iSeries Navigator', 'iSeries Information Center', and 'iSeries Resource Library'.

The main content area shows the 'i5/OS Main Menu' for system 'LP016AB'. It prompts the user to 'Select one of the following:' and lists 11 numbered options: 1. User tasks, 2. Office tasks, 3. General system tasks, 4. Files, libraries, and folders, 5. Programming, 6. Communications, 7. Define or change the system, 8. Problem handling, 9. Display a menu, 10. Information Assistant options, 11. iSeries Access tasks, and 90. Sign off. Below the list is a 'Selection or command' input field with '===>' and a set of control buttons: Exit, Prompt, Retrieve, Cancel, Information Assistant, and Set initial menu. A copyright notice '(C) COPYRIGHT IBM CORP. 1980, 2005.' is visible.

At the bottom of the page, there is a 'Macros' section with a dropdown menu set to 'Shortcut to My macro for \*PUBLIC' and a 'Play Macro' button, along with a 'Start Recording' button. A red arrow points to the 'Traditional view' link, which is accompanied by the text 'Switch this session to traditional view.'

Switch to traditional view by selecting the “Traditional view” link

# Active Session - Traditional View

**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 Library

```

MAIN                                i5/OS Main Menu                                System: LP016AB
Select one of the following:
1. User tasks
2. Office tasks
3. General system tasks
4. Files, libraries, and folders
5. Programming
6. Communications
7. Define or change the system
8. Problem handling
9. Display a menu
10. Information Assistant options
11. iSeries Access tasks
90. Sign off

Selection or command
==>

F3=Exit  F4=Prompt  F9=Retrieve  F12=Cancel  F13=Information Assistant
F23=Set initial menu
(C) COPYRIGHT IBM CORP. 1980, 2005.
                
```

Attention	Refresh Screen	Field Exit	Page Up	Enter
System Request	Stop Session	Reset	Page Down	

F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24

**Macros**

Macro:

---

[Web view](#)  
Switch this session to web view.



**Switch to web view by selecting the "Web view" link**

## Web View vs. Traditional View

### Web View


- Proportional font
- Menu displayed as links
- Active function keys displayed as buttons
- Allows cursor positioning at non-input fields
- Display “More...” as button
- Message line (25<sup>th</sup> line) treated as help

### Traditional View

- Fixed width font
- Function key bar (F1-F24)
- Background color configurable (default is black)

- All the view settings are configurable.
- Configure web and traditional view settings for your environment.

# Cursor Positioning

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	

# Cursor Positioning

## Problem

- Many 5250 applications rely on cursor location for context sensitive help and prompting
- Web pages do not have a “text cursor” except in input fields

## Solution

- All non input fields are turned into links
- Clicking on the link places the cursor at that location
- Two settings for cursor positioning
  - Place cursor at the beginning of the field
    - Smaller HTML content
    - May not work for applications that require exact cursor location
  - Place cursor at the exact location
    - Larger HTML content



## Keypads



# Keypads

## Three sets of keypads

- Top, right, and bottom
- Each set can be customized
- Each set can be turned on or off

## Macros can be assigned to keypad

## Configuration is per user

- One keypad configuration per user
- Global across all session configurations
- Not tied to session configuration

The screenshot displays the IBM System i user interface. On the left is a navigation menu with items like 'My Home Page', 'My Folder', 'Print', 'Messages', 'Jobs', '5250', 'Active sessions', 'Configured sessions', 'Start session', 'Database', 'Files', 'Command', 'Download', 'Customize', and 'Other'. The main area shows a 'Sign On' form with fields for 'User', 'Password', 'Program/procedure', 'Menu', and 'Current library'. To the right of the form is a keypad with 24 buttons labeled F1 through F24. Below the keypad, system information is displayed: 'System ..... : LP016AB', 'Subsystem ..... : QINTER', and 'Display ..... : QPADEV000G'. At the bottom, there are two rows of buttons: 'Attention', 'Refresh Screen', 'Field Exit', 'Page Up', 'Enter' in the first row, and 'System Request', 'Stop Session', 'Reset', 'Page Down' in the second row. A copyright notice '(C) COPYRIGHT IBM CORP. 1980, 2005.' is visible at the bottom center.

**Keypads cannot be set by administrator for users**



# Configuring Keypad

- Download
- Customize
- Other

**Related Links:**

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

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37 6,53

Attention	Refresh Screen	Field Exit	Page Up	Enter
System Request	Stop Session	Reset	Page Down	

**Macros**

Macro:

[Traditional view](#)

Switch this session to traditional view.

[Active session settings](#)

Change the settings for this session.

[Active sessions](#)

Work with your active sessions.

[Configured sessions](#)

Work with your configured sessions.

[My macros](#)

Work with your macros.

[My keypads](#)

Work with your keypads.

[5250 user interface help](#)

View help for using the 5250 user interface.



# Configuring Keypad

**My Home Page**

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

**My Keypads**

**Top Keypad**

Rows: 2  
Columns: 12  
 Show keypad  
[Configure](#)

**Side Keypad**

Rows: 12  
Columns: 2  
 Show keypad  
[Configure](#)

**Bottom Keypad**

Rows: 2  
Columns: 5  
 Show keypad  
[Configure](#)

**Related Links:**

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

**Annotations:**

- Turn keypad on and off (points to 'Show keypad' checkbox in Top Keypad)
- Configure keypad layout (points to 'Configure' button in Side Keypad)
- Configure number of keys on the keypad (points to 'Columns' dropdown in Bottom Keypad)

# Configuring Keypad

**My Home Page**

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

Related Links:

## Configure Bottom Keypad

Attention	Refresh Screen	Field Exit
System Request	Stop Session	Reset

[5250 user interface help](#)  
 View help for working with your keypads.

- Field Exit
- Field Mark
- Field Minus
- Field Plus
- Field Reverse
- Help
- Home
- Host Print
- Insert
- Latin Layer
- New Line
- PA1
- PA2
- PA3
- Page Down
- Page Up
- Refresh Screen
- Reset
- Screen Reverse
- Stop Session



## Shared Sessions

# Sharing an Active Session

Give another user or group a read only view into an active session.

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
LP016AB.RCHLAND.IBM.COM	A	3/11/06 6:19:29 PM CST	3/11/06 6:19:59 PM CST	Web	

[View-only sessions](#)  
Display a list of active sessions others are sharing with me.

[Shared sessions](#)  
Display a list of active sessions I am sharing with others.

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

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

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

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



## Notes: Shared Sessions

Active sessions can be shared with other users and groups. The user who starts the session maintains full control of it. Users with whom the session is shared can only view the session. They cannot enter input or change the session settings.

Changes to a shared session are not automatically seen by users viewing the session. The browser's refresh button must be used to see the latest changes.

## Sharing an Active Session

Enter the user or group profile to share the session with.

<b>My Home Page</b>	<b>Share 5250 Session</b>
 <b>My Folder</b>	Users: <input type="text" value="joe"/> <input type="button" value="Browse..."/>
<b>Print</b>	<input type="button" value="Share Session"/>
<b>Messages</b>	
<b>Jobs</b>	
<b>5250</b>	





## View-only Sessions

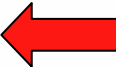
- To view a Shared Session, select the “View-only sessions” link from the Active Sessions page.

**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 ?
LP016AB.RCHLAND.IBM.COM	A	3/11/06 6:19:29 PM CST	3/11/06 6:19:59 PM CST	Web	   

[View-only sessions](#)  
Display a list of active sessions others are sharing with me. 

[Shared sessions](#)  
Display a list of active sessions I am sharing with others.

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

1






## View-only Session List

Click the “View” button to view the session.

**My Home Page**

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

### View-only Sessions

Server	Session	Owner	Access	Action 
LP016AB.RCHLAND.IBM.COM	A	smshao	SMSHAO	 

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

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

2

# View-only Session

View-only session - input fields are disabled.

Use the browser “Refresh” button to display updated screens.

**My Home Page**

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

LP016AB  
18:19:58

CPU %: .0      Elapsed time: 00:00:00      Active jobs: 341

Type options, press Enter.  
 2=Change    3=Hold    4=End    5=Work with    6=Release    7=Display message  
 8=Work with spooled files    13=Disconnect ...

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

Parameters or command  
====>

F3=Exit    F5=Refresh    F7=Find    F10=Restart statistics  
 F11=Display elapsed data    F12=Cancel    F23=More options    F24=More keys

More...

3

37
10,2

## Managing Shared Sessions

Select “Shared sessions” from the “Active Sessions” list to display the list of active sessions that are being shared.

**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 ?
LP016AB.RCHLAND.IBM.COM	A	3/11/06 6:19:29 PM CST	3/11/06 6:19:59 PM CST	Web	

[View-only sessions](#)  
Display a list of active sessions others are sharing with me.

[Shared sessions](#)  
Display a list of active sessions I am sharing with others.

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

Related Links:

## Shared Session List

Use the “Stop sharing” button to stop sharing this session.

**My Home Page**

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

### Shared Sessions

Server	Session	Access	Action <span style="font-size: 0.8em;">?</span>
LP016AB.RCHLAND.IBM.COM	A	SMSHAO	

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

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



**Other**

# DDS HTML Support (new in V5R4)

## HTML contained within 5250 screen

The screenshot shows a 5250 terminal window with a left-hand menu and a main display area. The menu includes options like 'My Home Page', 'My Folder', 'Print', 'Messages', 'Jobs', '5250', 'Active sessions', 'Configured sessions', 'Start session', 'Database', 'Files', 'Command', 'Download', 'Customize', and 'Other'. Below the menu is a 'Related Links' section with links to 'iSeries Access for Web', 'iSeries Access', 'iSeries Navigator', 'iSeries Information Center', and 'iSeries Resource Library'. The main display area shows a green 'F' cursor, the text 'Test Header', and 'First output field'. A red arrow points to 'Test Header'. Below the text is the prompt 'PRESS ENTER TO CONTINUE'. At the bottom, a control panel shows '37' on the left and '1,1' on the right, with buttons for 'Attention', 'Refresh Screen', 'Field Exit', 'Page Up', 'Enter', 'System Request', 'Stop Session', 'Reset', and 'Page Down'.

# Hotspot (new in V5R4)

**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

3/13/06 13:09:19 Page 1 URL Testing LP126AB SMSHAO

**Case tests**

lower	<a href="http://w3.rchland.ibm.com/">http://w3.rchland.ibm.com/</a>
UPPER	<a href="HTTP://W3.RCHLAND.IBM.COM/">HTTP://W3.RCHLAND.IBM.COM/</a>
CaMeL	<a href="hTTP://w3.rchland.ibm.com/">hTTP://w3.rchland.ibm.com/</a>

**Case test secure**

lower	<a href="https://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/">https://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/</a>
UPPER	<a href="HTTPS://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/">HTTPS://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/</a>
CaMeL	<a href="HTTpS://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/">HTTpS://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/</a>

**Case test secure**

lower	<a href="https://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/">https://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/</a>
UPPER	<a href="HTTPS://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/">HTTPS://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/</a>
CaMeL	<a href="HTTpS://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/">HTTpS://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/</a>

37

1,1

Attention	Refresh Screen	Field Exit	Page Up	Enter
System Request	Stop Session	Reset	Page Down	

**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

3/13/06 13:09:19 Page 1 URL Testing LP126AB SMSHAO

**Case tests**

lower	<a href="http://w3.rchland.ibm.com/">http://w3.rchland.ibm.com/</a>
UPPER	<a href="HTTP://W3.RCHLAND.IBM.COM/">HTTP://W3.RCHLAND.IBM.COM/</a>
CaMeL	<a href="hTTP://w3.rchland.ibm.com/">hTTP://w3.rchland.ibm.com/</a>

**Case test secure**

lower	<a href="https://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/">https://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/</a>
UPPER	<a href="HTTPS://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/">HTTPS://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/</a>
CaMeL	<a href="HTTpS://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/">HTTpS://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/</a>

**Case test secure**

lower	<a href="https://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/">https://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/</a>
UPPER	<a href="HTTPS://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/">HTTPS://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/</a>
CaMeL	<a href="HTTpS://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/">HTTpS://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/</a>

37

1,1

Attention	Refresh Screen	Field Exit	Page Up	Enter
System Request	Stop Session	Reset	Page Down	

# 5250 and Portal Server

The screenshot displays the WebSphere Portal interface. At the top, there are navigation tabs for 'Welcome', 'My Work', 'My Finances', 'My Newsroom', 'My iSeries', and 'stymie'. Below these are sub-tabs for '5250', 'IFrame Portlets', 'Files', 'Print', 'Database', and 'Command'. The main content area is titled 'iSeries 5250 Session' and features a grid of function keys (F1-F24). Below the keys is a 'Sign On' section with fields for 'User', 'Password', 'Program/procedure', 'Menu', and 'Current library'. To the right of these fields, system information is displayed: 'System: X1519P4', 'Subsystem: QINTER', and 'Display: QPADEV0009'. Below the sign-on fields, there is a release and driver information section: 'RELEASE: V05R03M00' and 'DRIVER: 2600722'. A copyright notice '(C) COPYRIGHT IBM CORP. 1980, 2003.' is visible. At the bottom of the session area, there are keyboard function keys like 'Enter', 'Attention', 'Refresh Screen', 'Field Exit', 'Page Up', 'System Request', 'Stop Session', 'Reset', and 'Page Down'. On the right side of the portal, a 'Welcome' message is displayed, followed by a list of iSeries Access portlets including the 5250 portlet, IFrame portlet, Integrated file system (IFS) browsing portlets, Printers, printer output, and output queues portlets, Database tables and SQL portlets, and Commands portlets. A footer section provides more information about the iSeries Access portlets and links to the IBM WebSphere portlet catalog.