



Deep Dive Into System i Access for Web Session 3:

Run 5250 Through a Browser

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<http://www.ibm.com/systems/i/software/access/web>

What is System i Access for Web?

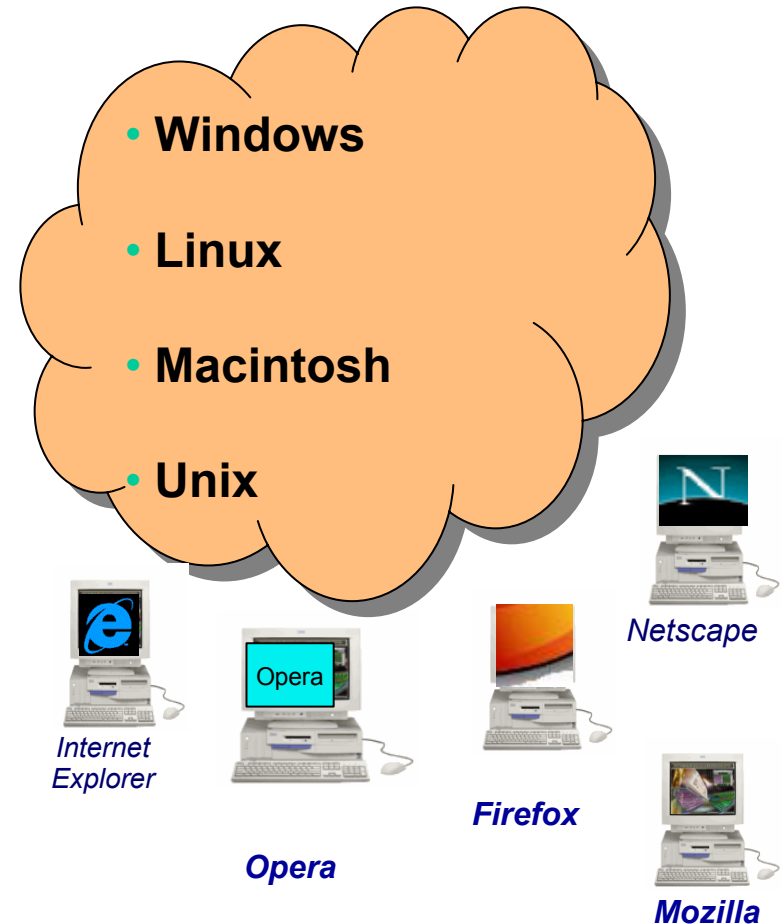
End users can leverage business information, applications, and resources across an enterprise by extending the iSeries resources to the client desktop through a web browser

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



System i Access for Web 5250 Interface

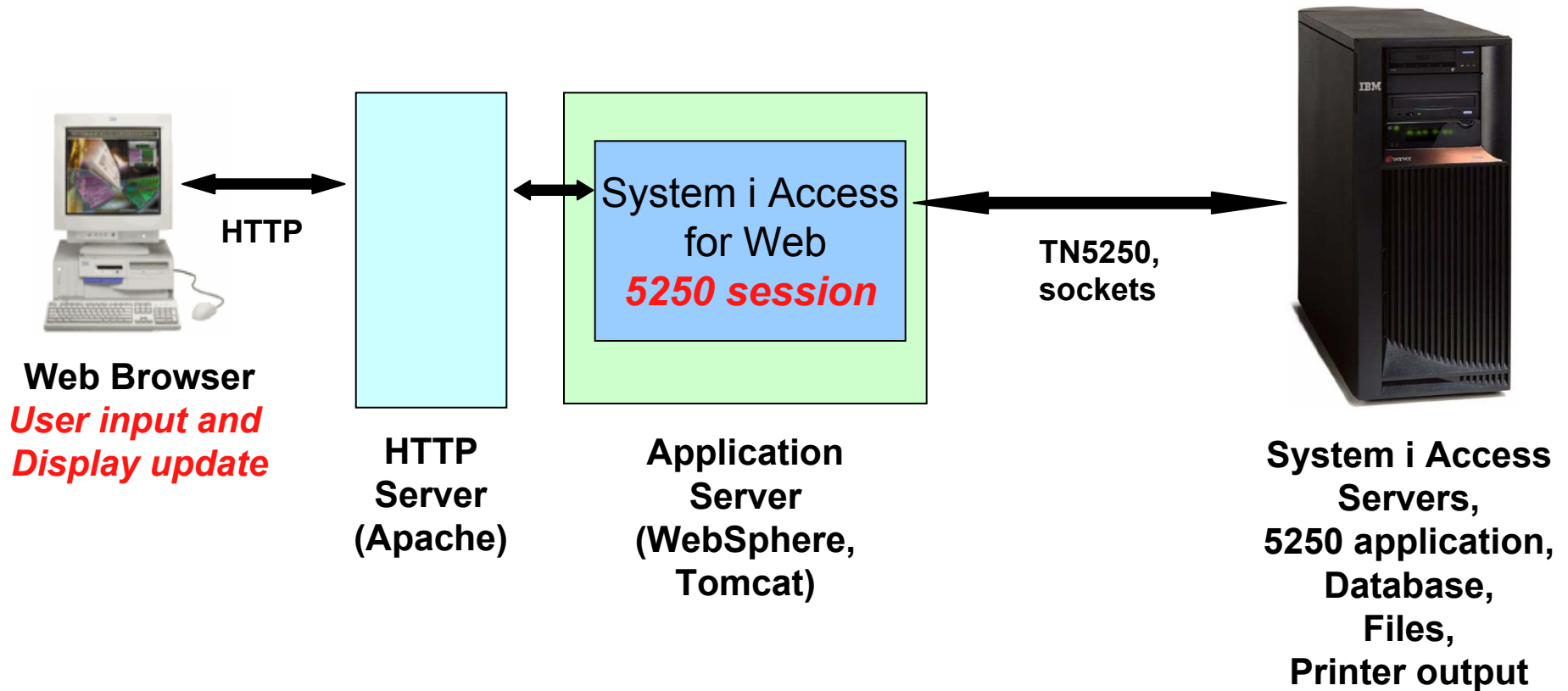
Runs as an interactive job

- 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

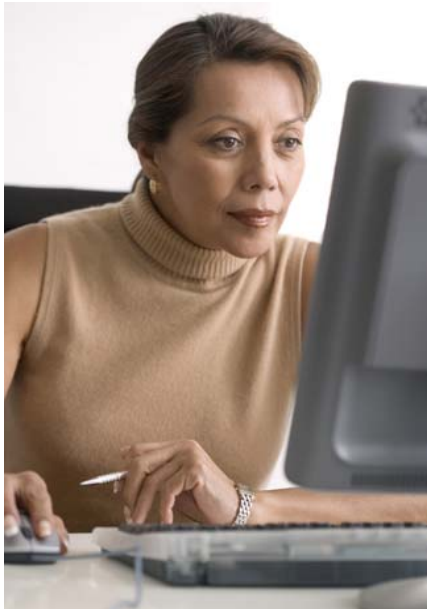
System i Access for Web Overview



Things to know

Because 5250 session is 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 (i.e., Field Exit)**
- **Does not include Printer Emulation (push to printer)**
 - **i5/OS strategy is Internet Printing Protocol (IPP) printing**
 - **System i Access for Web provides capability to convert spooled files to PDF**
- **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.

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

- **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

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 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 (i.e., <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>



Web look

Traditional 'green screen' look



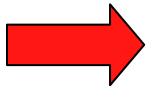


Policies

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

Policies

Profile: **CMINER**

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)

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

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 top navigation bar includes 'User: adams', 'System', and '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.

The left navigation pane is partially visible, showing 'My Home Page', 'Print', '5250', 'Active sessions', 'Configured sessions', and 'Files'.

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`

The screenshot displays the 'iSeries Access for Web' interface. At the top, there are three buttons: 'Field Exit', 'Erase EOF', and 'Host Print'. Below these, the text 'MAIN OS/400 Main Menu' is visible. A prompt 'Select one of the following:' is followed by a list of 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. A 'System:' label is on the right. Below the list is a 'Selection or command' field with '====>' and a text input area. At the bottom, there are buttons for 'Exit', 'Prompt', 'Retrieve', 'Cancel', and 'Information Assistant', along with a 'Set initial menu' button. The footer contains the copyright notice '(C) COPYRIGHT IBM CORP. 1980, 2003.', the page number '37', and the code 'MW'.

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 <input type="button" value="v"/>	Allow <input type="button" value="v"/>
5250 tab	Shipped default	Use current setting <input type="button" value="v"/>	Show <input type="button" value="v"/>
Start non-configured sessions	Shipped default	Use current setting <input type="button" value="v"/>	Allow <input type="button" value="v"/>
Prompt when starting non-configured sessions	Shipped default	Use current setting <input type="button" value="v"/>	Yes <input type="button" value="v"/>
Show server name in title	Shipped default	Use current setting <input type="button" value="v"/>	Yes <input type="button" value="v"/>
Show configured session name in title	Shipped default	Use current setting <input type="button" value="v"/>	No <input type="button" value="v"/>
Maximum active sessions	Shipped default	Use current setting <input type="button" value="v"/>	No maximum <input type="button" value="v"/>
Inactive session timeout	Shipped default	Use current setting <input type="button" value="v"/>	24 hours <input type="button" value="v"/>
Active sessions list columns	Shipped default	Use current setting <input type="button" value="v"/>	Columns...
Configured session to use for defaults	Shipped default	Use current setting <input type="button" value="v"/>	<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 <input type="button" value="v"/>	
Load settings from user defaults	Shipped default	Use current setting <input type="button" value="v"/>	
Load settings from shipped defaults	Shipped default	Use current setting <input type="button" value="v"/>	
Switch between Web/Traditional views	Shipped default	Use current setting <input type="button" value="v"/>	Allow <input type="button" value="v"/>
Edit active session settings	Shipped default	Use current setting <input type="button" value="v"/>	Allow <input type="button" value="v"/>
Bypass signon	Shipped default	Use current setting <input type="button" value="v"/>	Allow <input type="button" value="v"/>

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 ?	Action ?	Setting ?
5250 tab	Shipped default	Use current setting v	Show v ?
Prompt when starting non-configured sessions	Shipped default	Use current setting v	Yes v ?
Show server name in title	Shipped default	Use current setting v	Yes v ?
Show configured session name in title	Shipped default	Use current setting v	No v ?
Active sessions list columns	Shipped default	Use current setting v	Columns... ?
Configured sessions			
Configured sessions list columns	Shipped default	Use current setting v	Columns... ?
My macros			
My macros list columns	Shipped default	Use current setting v	Columns... ?

Save
Cancel
Apply

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





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'

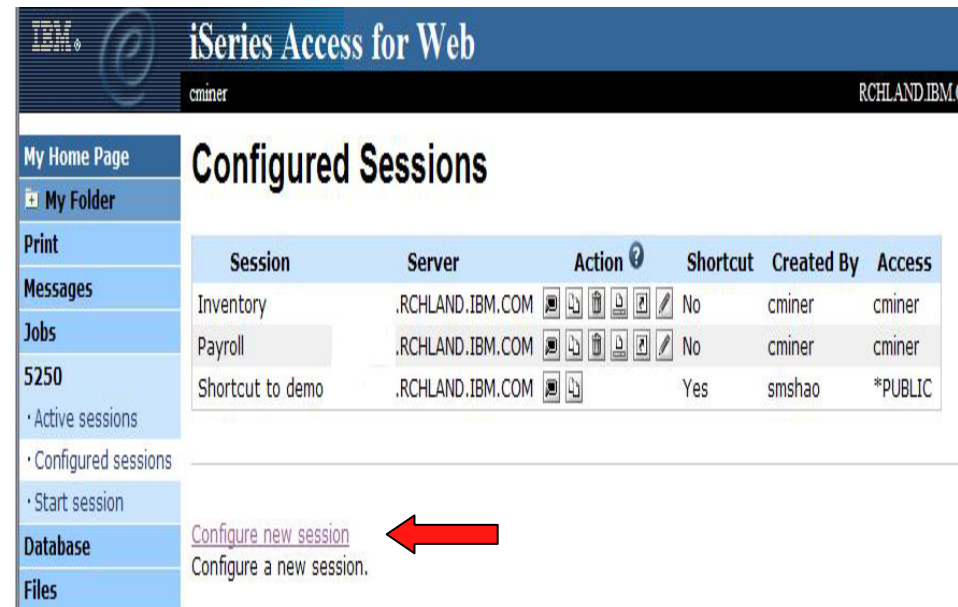
1



2. Select 'Configured Sessions'

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

2



Use “Start Session” Dynamically

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

My Home Page

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

Start Session

Server ?

Server:

Port:

Code page: ▼

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

Related Links:

- iSeries Access for Web
- iSeries Access













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

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.



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.

Web View Vs Traditional View

Bypass Signon – V5R4 and later

- 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' (containing '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 a 'Session' field (marked '* required'), a 'Default view' dropdown set to 'Web', an 'Initial macro' dropdown, and three checkboxes: 'Bypass signon' (highlighted with a red arrow), 'Display HTML data in fields', and 'Enable advanced JavaScript functions' (checked). The 'Server' section includes a 'Server' field with 'mysystem', a 'Port' field with '23', and a 'Code page' dropdown with '37'. The 'Workstation ID' section includes radio buttons for 'Use user ID' and 'Specify workstation ID' (selected), a text input field for the workstation ID, and two checkboxes: 'Avoid duplicates for this user' and 'Avoid duplicates with other users' (checked).

Bypass Signon – V5R4 and later

- QRMTSIGN system value must be ***VERIFY**
- Select bypass signon when starting or configuring a session

Start Session

System ?

System:

Port:

Code page:

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

Configure New Session

General ?

Session: * required

Default view:

Initial macro:

Bypass signon

Display HTML data in fields

Enable advanced JavaScript functions

System ?

System:

Port:

- **System i Access for Web must be configured for application authentication or application server authentication with Kerberos for bypass signon to be available**
 - CFGACCWEB2 AUTHTYPE(*APP) ...
 - Uses the credential the user used to log in to System i Access for Web
 - CFGACCWEB2 AUTHTYPE(*APPSVR) AUTHMETHOD(*KERBEROS) ... - new in V6R1!

Configuring a New Session – Workstation ID

Workstation ID

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

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

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

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

Operator information area (OIA)
Color: Black

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

Operator information area (OIA)
Color: Blue

Background colors
The browser background color is used.

Background colors
Color: Black

Save Cancel Save As Defaults Load Defaults

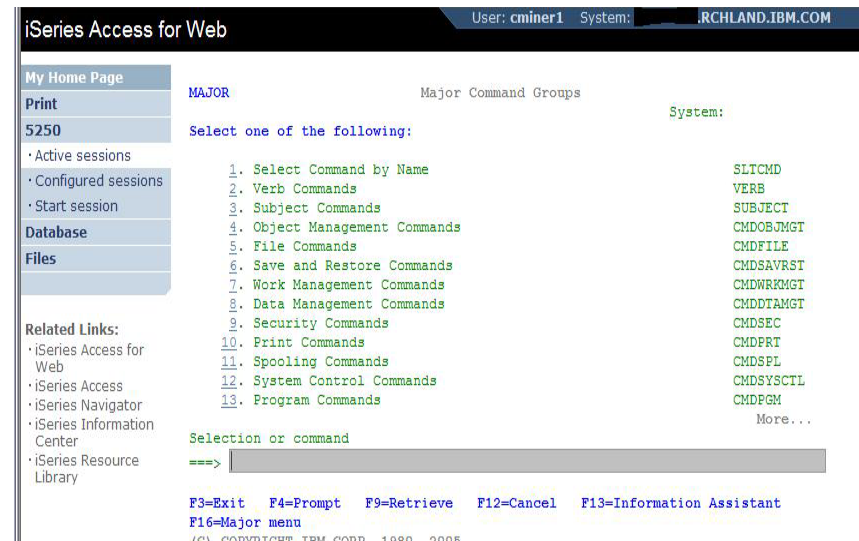
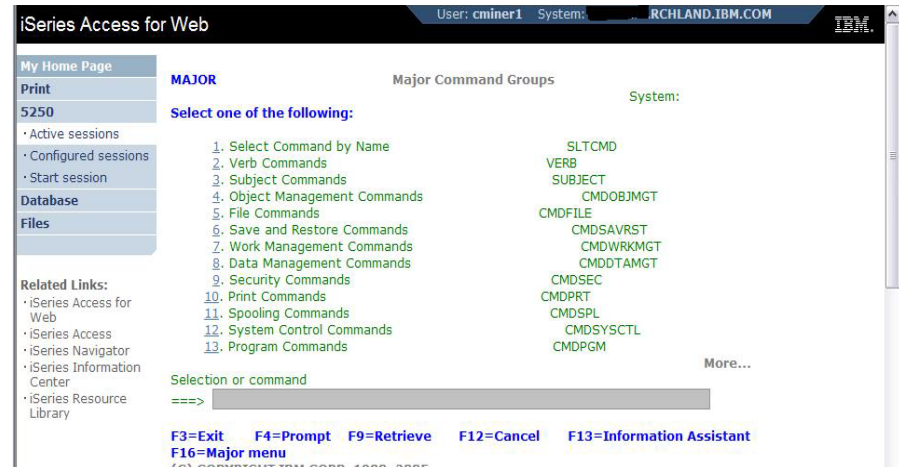
Example: 5250 - Proportional Width vs. Fixed Width

Default for 'Web 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

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 with a 'Set initial menu' button. A message states 'Command MAJOR in library *LIBL not found.' At the bottom, there are buttons for 'Attention', 'Refresh Screen', 'Field Exit', and 'Page Up'.

Below the main interface, a detailed view of the '5250' session is shown. It includes a table of active jobs and a list of function key options.

Opt	Subsystem/Job	User	Type	CPU %	Function	Status
<input type="checkbox"/>	QBATCH	QSYS	SBS	.0		DEQW
<input type="checkbox"/>	QCMN	QSYS	SBS	.0		DEQW
<input type="checkbox"/>	QCTL	QSYS	SBS	.0		DEQW
<input type="checkbox"/>	QSYSSCD	QPGRM	BCH	.0	PGM-QEZSCNEP	EVTW
<input type="checkbox"/>	QHTTSPVR	QSYS	SBS	.0		DEQW
<input type="checkbox"/>	ADMIN	QTMHHTTP	BCH	.0	PGM-QZHBMAIN	SIGW
<input type="checkbox"/>	ADMIN	QTMHHTTP	BCI	.0	PGM-QZSRLOG	SIGW
<input type="checkbox"/>	ADMIN	QTMHHTTP	BCI	.0	PGM-QZSRHTTP	SIGW
<input type="checkbox"/>	ADMIN	JAHARRIS	BCI	.0	PGM-QYUNLANG	TIMW

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

Can uncheck these boxes to deliver a more traditional view

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.

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

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

Configured Session Actions

My Home Page

My Folder

Print

Messages

Jobs

5250

- Active sessions
- Configured 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

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

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

My Home Page

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

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.

Shortcut granted to user profile

Indicates if request is a shortcut

User or group that was granted access

Shortcut granted to group the user belongs to

Owner of the request

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	[Icons]	No	cminer	cminer
Payroll	.RCHLAND.IBM.COM	[Icons]	No	cminer	cminer
Shortcut to demo	.RCHLAND.IBM.COM	[Icons]	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

Related Links:

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

Sign On

System	LP016AB
Subsystem	QINTER
Display	QPADEV000G

User	<input type="text"/>
Password	<input type="text"/>
Program/procedure	<input type="text"/>
Menu	<input type="text"/>
Current library	<input type="text"/>

RELEASE: V05R04M00
DRIVER: 4501130

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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

Related Links:

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

Sign On

System : LP016AB
 Subsystem : QINTER
 Display : QPADEV000G

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

RELEASE: V05R04M00
 DRIVER: 4501130

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 USE IS SUBJECT TO AUDIT AT ANY TIME BY IBM MANAGEMENT.

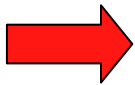
(C) COPYRIGHT IBM CORP. 1980, 2005.

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

Macros

Macro:



Naming the Macro

My Home Page	Save Macro
My Folder	Macro: <input type="text" value="my login macro"/>
Print	<input type="checkbox"/> Replace if already exists
Messages	<input type="button" value="Save Macro"/> <input type="button" value="Cancel"/>
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

Related Links:

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

Sign On

System : LP016AB
 Subsystem : QINTER
 Display : QPADEV000G

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

RELEASE: V05R04M00
 DRIVER: 4501130

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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

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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](#)

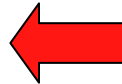
Work with your active sessions.

[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 ?	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.

Google | Go | Bookmarks | 42 blocked | Check | AutoLink | AutoFill | Send to

iSeries Access for Web User: CMINER System: X1519P4.RCHLAND.

Edit Macro

Macro: **Signon Boats**

```
[cursor 7,53][erasefld]pw12345678pw[cursor 6,53][erasefld]caroleminer[enter]
[wait][enter]][wait][cursor 20,7][erasefld]boats/boats[enter][wait]
```

Save Cancel

Done

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

Save Cancel

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
 [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
 [test] - Test request

[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

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:

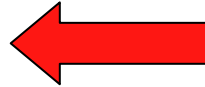
Workstation ID

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

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.

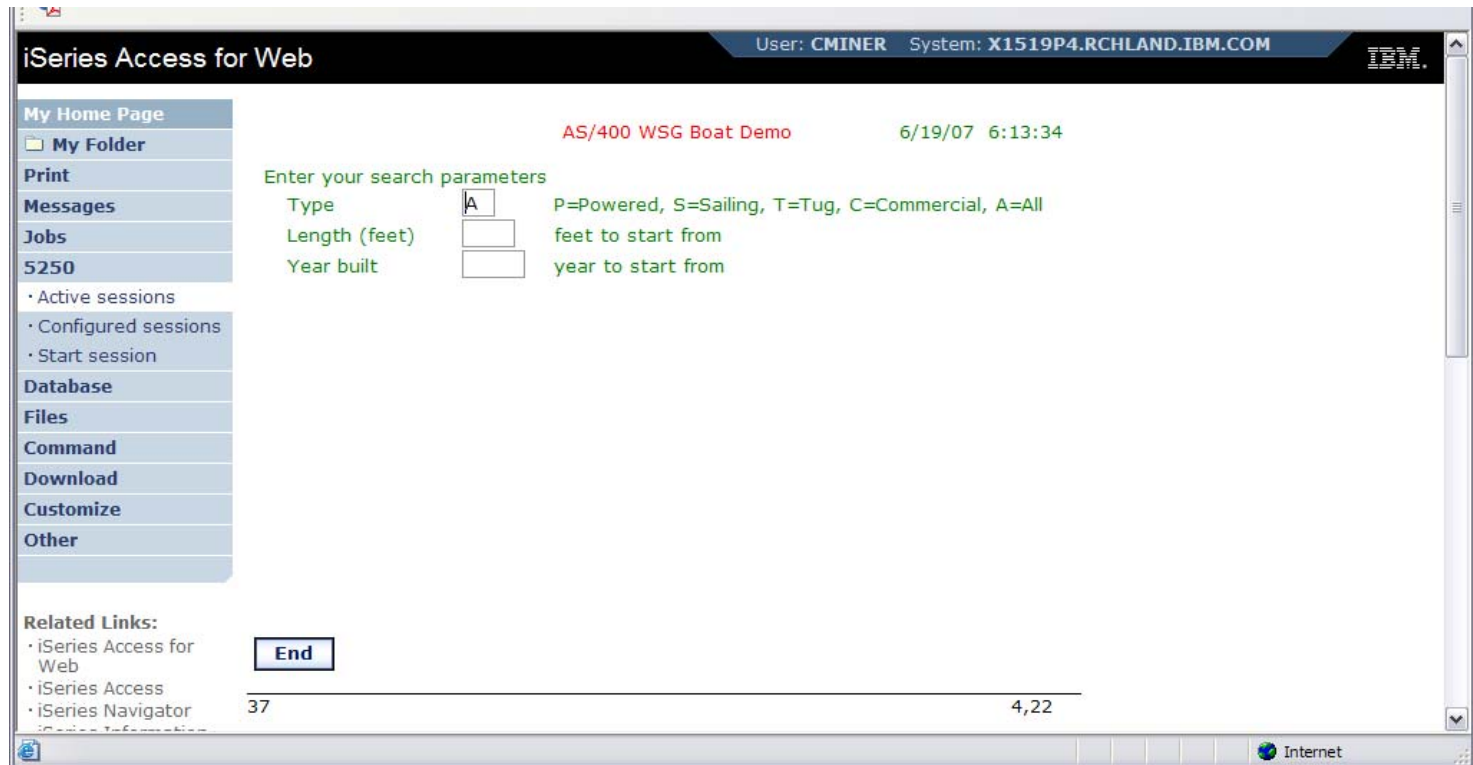
[Active sessions](#)
Work with your active sessions.

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

Related Links:

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](#) Shortcuts can be deleted from this list.

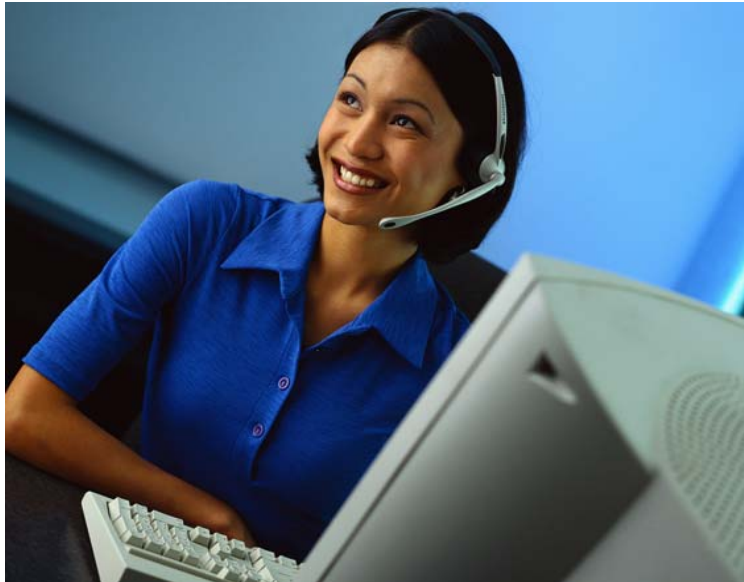
[Configured sessions](#)
Work with your configured sessions.

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

Macro Shortcut List

Shows just shortcuts I have created

My Home Page	Shortcuts to Macros You Recorded								
<ul style="list-style-type: none"> My Folder Print Messages Jobs 5250 <ul style="list-style-type: none"> • Active sessions • Configured sessions • Start session Database Files Command Download Customize Other 	<p style="text-align: center;"> ⏪ ⏴ ⏵ [1] ⏶ ⏷ ⏸ 🔄 </p> <table border="1"> <thead> <tr> <th>Macro</th> <th>Shortcut</th> <th>Access</th> <th>Action</th> </tr> </thead> <tbody> <tr> <td>my login macro</td> <td>Shortcut to my login macro</td> <td>smshao</td> <td></td> </tr> </tbody> </table> <p style="text-align: center;"> ⏪ ⏴ ⏵ [1] ⏶ ⏷ ⏸ 🔄 </p> <hr/> <p>My macros Work with your macros.</p> <p>Active sessions Work with your active sessions.</p> <p>Configured sessions Work with your configured sessions.</p> <p>Start session Start a new session.</p> <p>My keypads Work with your keypads.</p>	Macro	Shortcut	Access	Action	my login macro	Shortcut to my login macro	smshao	
Macro	Shortcut	Access	Action						
my login macro	Shortcut to my login macro	smshao							



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

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

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.

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

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

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

Reconnect

Internet

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

User

Password

Program/procedure

Menu

Current library

System : LP016AB

Subsystem : QINTER

Display : QPADEV000G

RELEASE: V05R04M00
DRIVER: 4501130

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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

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 a terminal window with the following elements:

- Command Menu:** A vertical list of options: Command, Download, Customize, and Other.
- System Information:** RELEASE: V05R04M00, DRIVER: 4501130.
- Usage Notice:** USE OF THIS SYSTEM IS FOR IBM MANAGEMENT APPROVED PURPOSES ONLY. USE IS SUBJECT TO AUDIT AT ANY TIME BY IBM MANAGEMENT.
- Copyright:** (C) COPYRIGHT IBM CORP. 1980, 2005.
- Page Numbers:** 37 on the left, 6,53 on the right.
- Control Buttons:** Attention, Refresh Screen, Field Exit, Page Up, Enter, System Request, Stop Session, Reset, Page Down.
- Macros Section:** Macro: Shortcut to My macro for *PUBLIC, Play Macro, Start Recording.
- View Options:** Traditional view (Switch this session to traditional view.), Active session settings (Change the settings for this session.).

Active Session - Web 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
 ===>

Exit Prompt Retrieve Cancel Information Assistant

Set initial menu

(C) COPYRIGHT IBM CORP. 1980, 2005.

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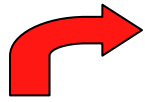
Attention	Refresh Screen	Field Exit	Page Up	Enter
System Request	Stop Session	Reset	Page Down	

Macros

Macro: Play Macro

Start Recording

[Traditional view](#)
 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

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 (25th 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	



Keypads

My Keypads

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

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

The screenshot shows the 'iSeries Access for Web' interface. At the top, it displays 'User: cminer System: RCHLAND.IBM.COM'. 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 content area shows a 'Host Print' button configuration table:

Host Print	Field Exit	Field Minus	Field Plus
Erase EOF	Erase Field	Erase Input	Refresh Screen

Below the table, it says 'MAIN i5/OS Main Menu System: LP016AB'. A list of tasks is shown under '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

At the bottom, there are 'Related Links' and a copyright notice: '(C) COPYRIGHT IBM CORP. 1980, 2005.' A yellow box with the number '3' is overlaid on the task list.

The screenshot shows the 'My Keypads' configuration page. It has a left navigation menu similar to the previous screenshot. The main content area is titled 'My Keypads' and contains three sections:

- Top Keypad**: Rows: 1, Columns: 5, Show keypad, **Configure** button.
- Side Keypad**: Rows: 12, Columns: 2, Show keypad, **Configure** button.
- Bottom Keypad**: Rows: 2, Columns: 5, Show keypad, **Configure** button, **Save** and **Cancel** buttons.

A preview window shows a terminal screen with a keypad overlay. A yellow box with the number '1' is overlaid on the 'Top Keypad' section.

The screenshot shows the 'Configure Top Keypad' dialog box. It has a left navigation menu. The main content area shows a grid of buttons for configuration:

Host Print	Field Exit	Field Minus	Field Plus
Erase EOF	Erase Field	Erase Input	Refresh Screen

At the bottom are 'OK' and 'Cancel' buttons. A yellow box with the number '2' is overlaid on the right side of the dialog.

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 a sign-on screen for an IBM iSeries system. 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 contains a 'Sign On' form with fields for 'User', 'Password', 'Program/procedure', 'Menu', and 'Current library'. To the right of the form are system details: 'System : LP016AB', 'Subsystem : QINTER', and 'Display : QPADEV000G'. Below the form, it shows 'RELEASE: V05R04M00' and 'DRIVER: 4501130'. A warning message states: 'USE OF THIS SYSTEM IS FOR IBM MANAGEMENT APPROVED PURPOSES ONLY. USE IS SUBJECT TO AUDIT AT ANY TIME BY IBM MANAGEMENT.' At the bottom, there are two rows of keypad buttons: the top row has 'Attention', 'Refresh Screen', 'Field Exit', 'Page Up', and 'Enter'; the bottom row has 'System Request', 'Stop Session', 'Reset', and 'Page Down'. 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

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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Related Links:

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

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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

Related Links:

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

My Keypads


Top Keypad

Rows:

Columns:

Show keypad

[Configure](#)



Side Keypad

Rows:

Columns:

Show keypad

[Configure](#)

Bottom Keypad

Rows:

Columns:

Show keypad

[Configure](#)

Turn keypad on and off

Configure keypad layout

Configure number of keys on the 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

- Example: user SALESMAN shares session with help desk-JOE

iSeries Access for Web User: salesman System: S400LA.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 ?
S400LA.rchland.ibm.com	A	3/12/07 6:08:21 AM CDT	3/12/07 6:09:03 AM 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.

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

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

- Related Links:**
- iSeries Access for Web
 - iSeries Access
 - iSeries Navigator
 - iSeries Information

Sharing an Active Session

SALESMAN enters the user or group profile to share the session with Joe

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

View-only Sessions

Help desk (Joe) now selects “View-only sessions” link to display the list

iSeries Access for Web User: joe System: S400LA.rchland.ibm.com IBM.

My Home Page

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

Database

Files

Command

Download

Customize

Active Sessions

Server	Session	Started	Last Accessed	View	Action ?
--------	---------	---------	---------------	------	----------

[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](#)

View-only Session List

Joe clicks the “View” button to view the session

iSeries Access for Web
User: joe System: S400

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 ?
S400LA.rchland.ibm.com	A	salesman	JOE	←

[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](#)

Related Links:

- iSeries Access for Web
- iSeries Access

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

Work with Active Jobs

LP016AB
03/11/06 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

More...

Parameters or command
 ===> _____

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

Managing Shared Sessions

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

iSeries Access for Web User: salesman System: S400LA.rchland.ibm.com

My Home Page

My Folder

Print

Messages

Jobs

5250

- Active sessions
- Configured sessions
- Start session

Database

Files

Command

Download

Customize

Active Sessions

Server	Session	Started	Last Accessed	View	Action
S400LA.rchland.ibm.com	A	3/12/07 6:08:21 AM CDT	3/12/07 6:09:03 AM CDT	Web	

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

[Shared sessions](#) ←

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

Shared Session List

SALESMAN uses the “Stop sharing” button to stop sharing this session

User: salesman System
iSeries Access for Web

My Home Page

My Folder

Print

Messages

Jobs

5250

- Active sessions
- Configured sessions
- Start session

Database

Files

Command

Download

Customize

Shared Sessions

Server	Session	Access	Action ?
S400LA.rchland.ibm.com	A	JOE	 

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

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

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

..

Other

DDS HTML Support

HTML contained within 5250 screen

My Home Page

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

Related Links:

- System i Access for Web
- System i Access
- System i Navigator
- i5/OS Information Center
- System i Resource Center

F

Test Header ←

irst output field

PRESS ENTER TO CONTINUE

37
1,1

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

Hotspot

My Home Page	3/03/08	Page 1 URL Testing	JHANSEN	
My Folder	14:01:16			
Print				
Messages	Case tests			
	lower	http://w3.rchland.ibm.com/		
	UPPER	HTTP://W3.RCHLAND.IBM.COM/		
	CaMeL	hTtP://w3.rchland.ibm.com/		
Jobs	Case test secure			
5250	lower	https://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/		
• Active sessions	UPPER	HTTPS://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/		
• Configured sessions	CaMeL	HTTpS://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/		
• Start session				
Database	Case test secure			
Files	lower	https://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/		
Command	UPPER	HTTPS://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/		
Download	CaMeL	HTTpS://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/		
Customize				
Other				
http://w3.ibm.com				
37				1,1
Attention	Refresh Screen	Field Exit	Page Up	Enter
System Request	Stop Session	Reset	Page Down	

Related Links:
 • System i Access for Web
 • System i Access

My Home Page	3/03/08	Page 1 URL Testing	JHANSEN	
My Folder	14:01:16			
Print				
Messages	Case tests			
	lower	http://w3.rchland.ibm.com/		
	UPPER	HTTP://W3.RCHLAND.IBM.COM/		
	CaMeL	hTtP://w3.rchland.ibm.com/		
Jobs	Case test secure			
5250	lower	https://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/		
• Active sessions	UPPER	HTTPS://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/		
• Configured sessions	CaMeL	HTTpS://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/		
• Start session				
Database	Case test secure			
Files	lower	https://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/		
Command	UPPER	HTTPS://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/		
Download	CaMeL	HTTpS://w3.rchland.ibm.com/~jhansen/qiwa/service/v5r3m0/		
Customize				
Other				
http://w3.ibm.com				
37				1,1
Attention	Refresh Screen	Field Exit	Page Up	Enter
System Request	Stop Session	Reset	Page Down	

Related Links:
 • System i Access for Web
 • System i Access

5250 and Portal Server

Home > My System i > 5250 >

Search:

Welcome | Getting Started | My System i | TVT

5250

IFrame Portlets
Files
Print
Database
Command
Other

System i 5250 Session (IBM Portlet API)

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

Sign On

System QINTER
Subsystem QPADEV0005
Display

User
Password
Program/procedure
Menu
Current library

RELEASE: V05R04M00
DRIVER: 1500411

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Keyboard focus

Welcome

Welcome to the System i Access portlets - specifically developed for System i Access customers. These portlets allow you to access your i5/OS resources and information through a Web browser.

System i Access portlets include the following:

- 5250 portlet
 - Run commands and access full-screen 5250 character-based applications.
- IFrame portlet
 - Access any of the System i Access for Web servlets using the IFrame portlet.
- Integrated file system browsing portlets
 - Browse the integrated file system.
 - View, edit, upload and download files.
 - Create zip files. Add files to a zip file. View, extract, and delete files from a zip file.
- Printers, printer output, and output queues portlets
 - View printer status, start and stop the writer job associated with a printer.
 - Hold, release, print, delete and view printer output files.
 - Move printer output files to another output queue or printer.
 - Hold and release output queues.
- Database tables and SQL portlets
 - View database tables, add and update records.
 - View query results, customize format of results.
 - Run SQL statements dynamically.
 - Store, run, and manage frequently used SQL statements
- Commands portlets
 - Run CL commands.

The System i Access portlets are included with System i Access for Web. The System i Access for Web product is part of the System i Access Family (5761-XW1). For more information regarding System i Access, System i Access for Web, and the System i Access portlets, refer to the following web sites:

- [System i Access](#)
- [System i Access for Web](#)
- [System i Access Portlets](#)

Find more great portlets from the [IBM WebSphere portlet catalog](#) and at the [IBM WebSphere Portal Zone](#).

Home | Documents | Messaging | Site Map

Try out System i Access for Web for yourself!

Start your browser and connect to the following web site:

<http://iseriesd.demos.ibm.com/webaccess/iWAHome> (case sensitive)

<p>User ID = WACUST</p> <p>Password = demo2pwd</p>	<p>This shows the basic look of System i Access for Web as we ship it. You can try various functions -- including working with printer output, creating database requests, etc. Click on the 5250 tab, sign onto the iSeries, then start an RPG application called BOATS and run it.</p>
<p>User ID = BOATADMIN</p> <p>Password = demo2pwd</p>	<p>This is an example of how a customer might design a web page for their use. You will see that an end user could start the same BOATS application by clicking on the 5250 session, or they could have used HATS to run the application. You will also see other links that would let a user work with spoolfile information, work with IFS, run database requests, etc..</p>

Send email to: LLHIRSCH@us.ibm.com to reset the user profiles on iseriesd.demos.ibm.com if either one gets disabled.

Questions?

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AS/400e	IBM	OS/400
eServer	IBM (logo)	System i
@server	iSeries	

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