Deep Dive Into System i Access for Web
Session 3:

Run 5250 Through a Browser

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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

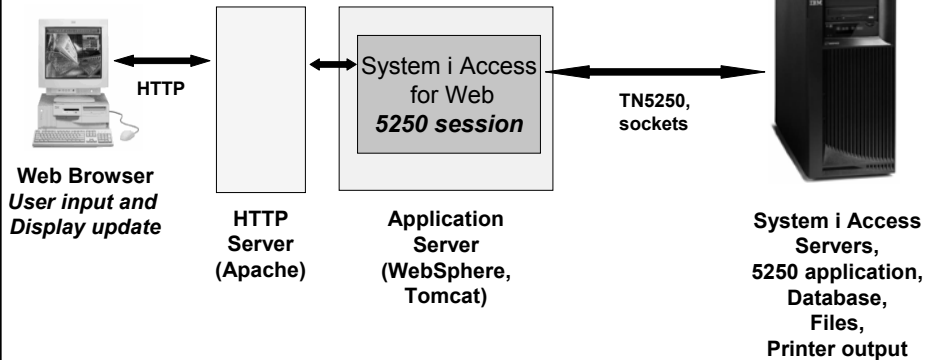– **Only function in System i Access for Web that uses TN5250 port**

5250 Environment: Windows PC5250 v. Web 5250

System i Access for Windows:

User input ,
*Interaction with 5250 session,*
display update
running in Windows OS

System i Access for Web:

HTTP

System i Access
for Web
5250 session

TN5250,
sockets

Web Browser
User input and
Display update

HTTP
Server
(Apache)

Application
Server
(WebSphere,
Tomcat)

System i Access
Servers,
5250 application,
Database,
Files,
Printer output

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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**

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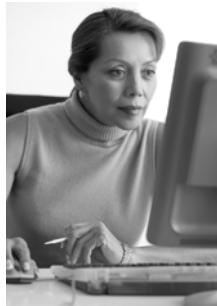
Preconfigured Sessions

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

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"

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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)

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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

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

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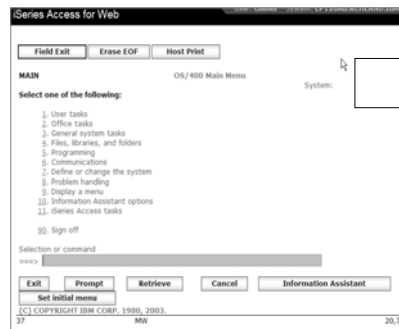
To entirely remove the Navigation pane, go to category "General"

– **Navigation = Deny**

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

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Setting Default Session

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

5250 Preferences

Preferences are settings that the user can modify

Starting a 5250 session

How to Start a 5250 Session

Two options:

1

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'**

2

2. Select 'Configured Sessions'
– **Select 'Configure New Session' link on lower screen**
– **Set up as you wish, then click on 'Save'**

Use "Start Session" Dynamically

- **Specify the system to connect**

- **Select the session attributes**
  - **Port, code page, workstation ID, etc.**

- **Start session**

Start 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

Server ❓
Server: mysystem
Port: 23
Code page: 37 ▾

Workstation ID ❓
○ Use user ID
◉ Specify workstation ID [_____]
☐ Avoid duplicates for this user
☑ Avoid duplicates with other users

General ❓
Initial macro: [_____ ▾]
☐ Bypass signon
☐ Display HTML data in fields

[**Start Session**]

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

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

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.
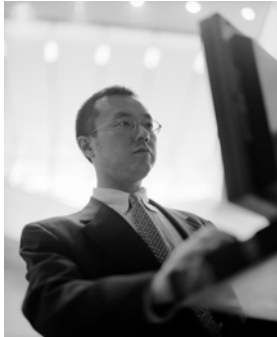
**Configuration options
for 5250 sessions**

Configure a New Session

Select the "Configure new session" link

	Configured Sessions					
My Home Page						
☐ My Folder						
Print	**Session**	**Server**	**Action** ❓	**Shortcut**	**Created By**	**Access**
Messages	system A	LP016AB.RCHLAND.IBM.COM		No	smshao	smshao
Jobs	system B	LP016AB.RCHLAND.IBM.COM		No	smshao	smshao
5250						
· Active sessions	Configure new session					
· Configured sessions	Configure a new session.					
· Start session	Shortcuts to sessions you configured					
Database	Display a list of shortcuts to sessions you configured. Shortcuts can be deleted from this list.					
Files	Active sessions					
Command	Work with your active sessions.					
Download	Start session					
Customize	Start a new session.					
Other	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**

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Web View Vs Traditional View

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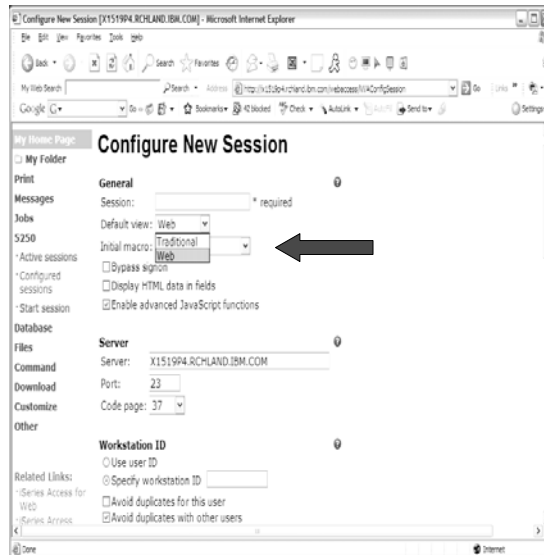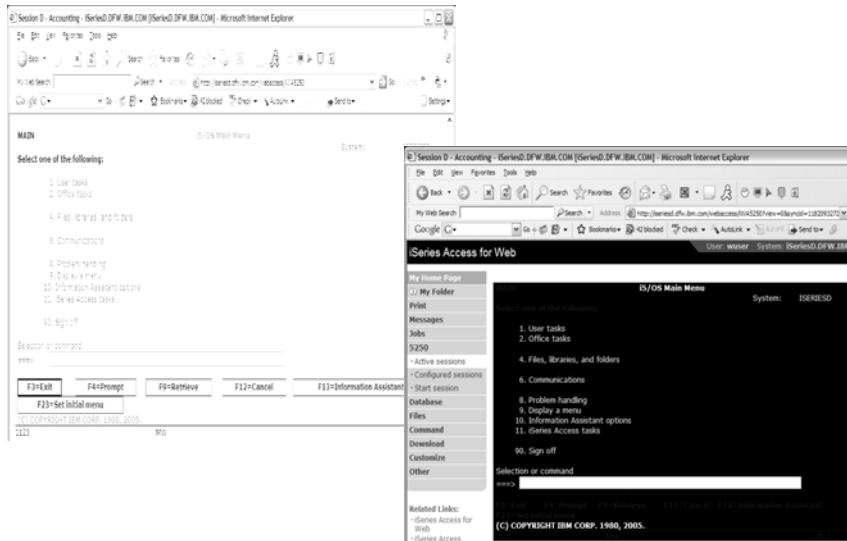
Bypass Signon – V5R4 and later

- **Uses the credential the user used to login to System i Access for Web**

- **Option available for configured and dynamically started session**

Bypass Signon – V5R4 and later

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

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

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..

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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**

Create a consistent 'look' for all your users…

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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**
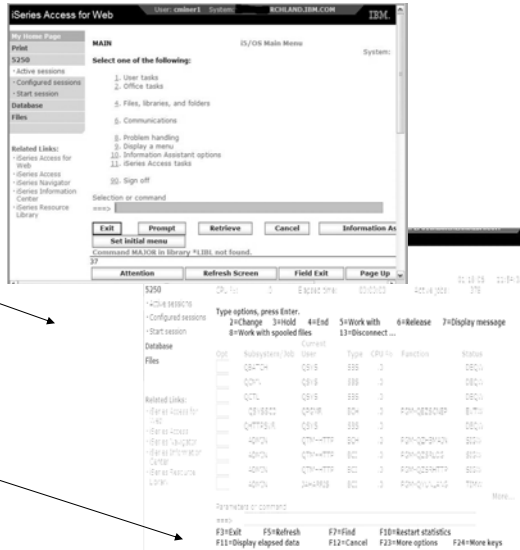
Can uncheck these boxes to deliver a more traditional view

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.

Foreground colors

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

Foreground colors

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

Operator information area (OIA)
Color: Black

Operator information area (OIA)
Color: Blue

Background colors
The browser background color is used.

Background colors
Color: Black

Save | Cancel | Save As Defaults | Defaults | Load Shipped Defaults

5250 user interface help
View help for editing a configured session.

Configured Session Actions

Configured Sessions

My Home Page
☐ 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

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**

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Shortcut Example

Shortcut granted to user profile

Indicates if request is a shortcut

User or group that was granted access

Configured Sessions

	Session	Server	Action	Shortcut	Created By	Access
My Home Page						
My Folder						
Print	Shortcut to system A	LP016AB.RCHLAND.IBM.COM		Yes	smshao	smshao
Messages	Shortcut to system B	LP016AB.RCHLAND.IBM.COM		Yes	smshao	*PUBLIC
Jobs	system A	LP016AB.RCHLAND.IBM.COM		No	smshao	smshao
5250	system B	LP016AB.RCHLAND.IBM.COM		No	smshao	smshao
· Active sessions						
· Configured sessions						
· Start session	Configure new session					
Database	Configure a new session.					

Shortcut granted to group the user belongs to

Owner of the request

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Create 'Shortcuts' to Configured Sessions

Your Configured Session
- Create 'Shortcuts' for other users

Can set Policies
- To restrict what users can do with your shortcut.

- Do not allow users to:
  - Copy your shortcut
  - Delete your shortcut
  - Rename your shortcut
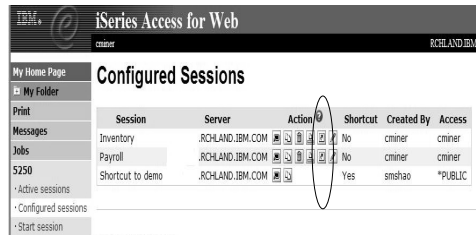
Finding Shortcuts You Created
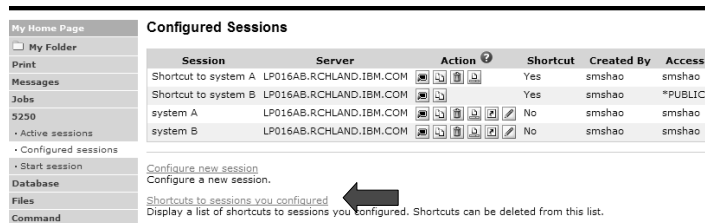
Click the "Shortcuts to sessions you configured" link

Managing Shortcuts You Created

- **List of shortcuts you created**

- **Delete shortcuts you created**

	Shortcuts to Sessions You Configured
My Home Page	
☐ My Folder	⊩ ⟨⟨ ⟨ [1] ▶ ⟩⟩ ⟩ Ω
Print	
Messages	
Jobs	
5250	
· Active sessions	
· Configured sessions	
· Start session	

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

⊩ ⟨⟨ ⟨ [1] ▶ ⟩⟩ ⟩ Ω
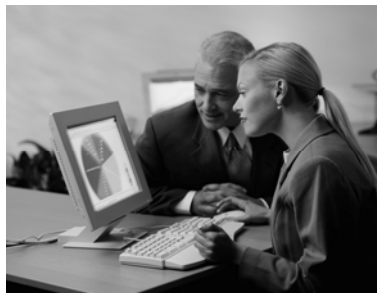
Creating Macros

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**

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Recording Macros

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Stop Recording

Naming the Macro

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.

(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 | |

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

Macros
Macro: my login macro ▾   Play Macro
Start Recording

Managing Macros

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: my login macro ▾   Play Macro
Start Recording

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

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

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 G▾	☑ Go ✚ ✪ 🔗 ▾	☆ Bookmarks▾ 🔲 42 blocked	✍ Check ▾ ✎ AutoLink ▾ ⬜ AutoFill 🔗 Send to▾

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

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

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]

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

Save   **Cancel**

🔲 Done

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Edit Macro

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

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

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**

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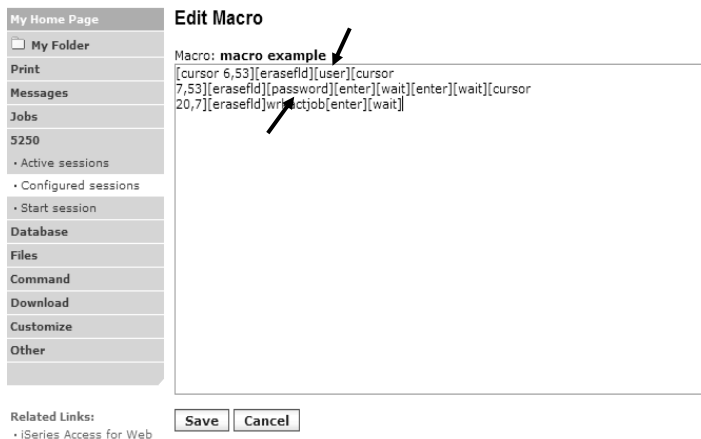
Supported Commands for Macros

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
[pf22] – 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

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Sharing a Macro

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] ▷ ≫ ▷| ↻

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

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.

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Add a macro to a New Session

All macros you have created will appear in pull-down

Share the Session / Share the Macro

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

Starting the 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 Macros**				
🗀 My Folder					
Print	⧏ ⧏⧏ ⧏ [1] ⧐ ⧐⧐ ⧐ ⟳				
Messages					
Jobs	**Macro**	**Action** ❓	**Shortcut**	**Created By**	**Access**
5250	my login macro	🗂 🗑 🖥 🗎 ✏	No	smshao	smshao
· Active sessions	Shortcut to My macro	🗂	Yes	aliciam	*PUBLIC
· Configured sessions					
· Start session	⧏ ⧏⧏ ⧏ [1] ⧐ ⧐⧐ ⧐ ⟳				
Database	_____				
Files	Active sessions				
Command	Work with your active sessions.				
Download	Shortcuts to macros you recorded ⟵				
Customize	Display a list of shortcuts to macros you recorded. Shortcuts can be deleted from this list.				
Other	Configured sessions				
	Work with your configured sessions.				
	Start session				
	Start a new session.				

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Macro Shortcut List

Shows just shortcuts I have created

My Home Page	**Shortcuts to Macros You Recorded**			
🗀 My Folder				
Print	⧏ ⧏⧏ ⧏ [1] ⧐ ⧐⧐ ⧐ ⟳			
Messages				
Jobs	**Macro**	**Shortcut**	**Access**	**Action**
5250	my login macro	Shortcut to my login macro	smshao	🗑
· Active sessions				
· Configured sessions	⧏ ⧏⧏ ⧏ [1] ⧐ ⧐⧐ ⧐ ⟳			
· Start session	_____			
Database	My macros			
Files	Work with your macros.			
Command	Active sessions			
Download	Work with your active sessions.			
Customize	Configured sessions			
Other	Work with your configured sessions.			
	Start session			
	Start a new session.			
	My keypads			
	Work with your keypads.			

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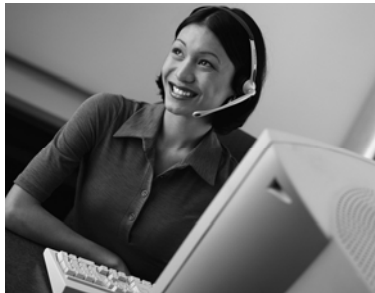
Active Sessions

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**

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**

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

Sign On

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

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

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.

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

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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

Active Sessions

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

Related Links:

	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**

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Active Session - Web View

Switch to traditional view by selecting the "Traditional view" link

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Active Session - Traditional 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**
☑ Show navigation bar		☑ Show navigation bar
☑ Show action links		☑ Show action links
☐ Show hotspot links		☐ Show hotspot links
☑ Show JavaScript indicator		☑ Show JavaScript indicator
☐ Display text using fixed width font		☑ Display text using fixed width font
☑ Enable "More..." as button		☐ Enable "More..." as button
☑ Enable menu items as links		☐ Enable menu items as links
☐ Show function key bar		☑ Show function key bar
☑ Show macros section		☑ Show macros section
☑ Show operator information area (OIA)		☑ Show operator information area (OIA)
☐ Show active sessions		☐ Show active sessions
☑ Enable cursor positioning		☐ Enable cursor positioning
☐ Position cursor at exact location		☐ Position cursor at exact location
☑ Enable message text line as help link		☑ Enable message text line as help link
☑ Enable active function keys as buttons		☐ Enable active function keys as buttons
☐ Show function key text (Fxx=) on button		

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Keypads

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My Keypads

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

– **For example, a button to do a 'Host Print' of a screen**
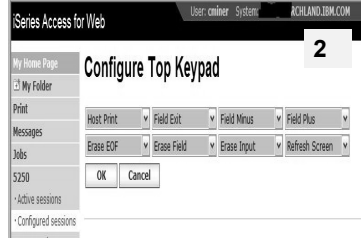
Keypads

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**

Keypads cannot be set by administrator for users

Configuring Keypad

Configuring Keypad

My Keypads

Top Keypad

Rows 2
Columns 12

Show keypad — Turn keypad on and off
Configure

Side Keypad

Rows 12
Columns 2

Show keypad — Configure keypad layout
Configure

Bottom Keypad

Rows 2 — Configure number of
Columns 5 — keys on the keypad

Show keypad
Configure

Configuring Keypad

Configure Bottom Keypad

My Home Page			
☐ My Folder	Attention	Refresh Screen	Field Exit
Print	System Request	Stop Session	Reset
Messages	OK Cancel		
Jobs			
5250			
· Active sessions	5250 user interface help		
· Configured sessions	View help for working with your keypads.		
· Start session			
Database			
Files			
Command			
Download			
Customize			
Other			

Dropdown list:
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

Related Links:

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**   IBM.

My Home Page		
☐ My Folder	**Active Sessions**	
Print		
Messages		
Jobs		
5250		

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	🔲🔲✏️🔲

- Active sessions
- Configured sessions
- Start session

Database

Files

Command

Download

Customize

Other

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

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.

© 🗐   🖳 Local intranet

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	
Print	Users: joe Browse...
Messages	
Jobs	**Share Session**
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
Start a new 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

Related Links:
 • iSeries Access for Web
 • iSeries Access

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

View-only Session

View-only session: input fields are disabled.

Use the browser "Refresh" button to display updated screens.

My Home Page						
☐ My Folder						

```
                                    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 ...
                       Current
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
 _   QHTTPSVR         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

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```

Menu items: Print, Messages, Jobs, 5250, • Active sessions, • Configured sessions, • Start session, Database, Files, Command, Download, Customize, Other

---

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**

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.

Menu items: My Home Page, ☐ My Folder, Print, Messages, Jobs, 5250, • Active sessions, • Configured sessions, • Start session, Database, Files, Command, Download, Customize

Shared Session List

SALESMAN uses the "Stop sharing" button to stop sharing this session

iSeries Access for Web   User: **salesman**   System

| 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

Hotspot

5250 and Portal Server

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)

User ID = WACUST Password = demo2pwd	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.
User ID = BOATADMIN Password = demo2pwd	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..

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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