IBM

eserver

Session: 25CM - 440281

iSeries. mySeries.

Access for Web:
Run 5250 in a Browser

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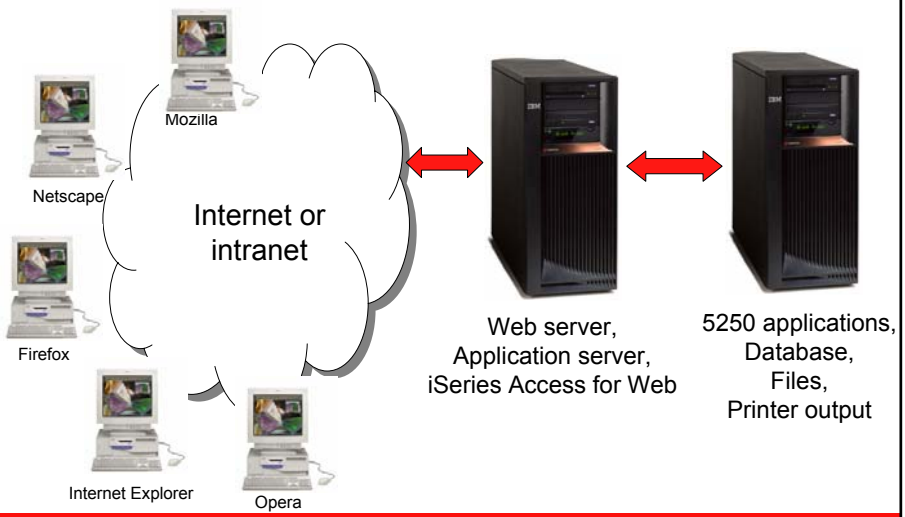
What is iSeries Access for Web



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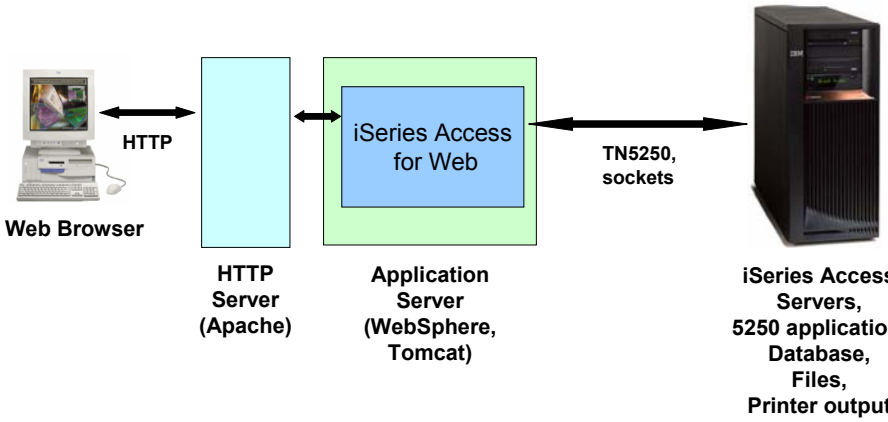
iSeries Access for Web Overview



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iSeries Access for Web Functions

- My Personal Folder
- Print
  - Printer output
  - PDF Printer output
  - Printers
  - PDF Printers
  - Internet Printers
  - Internet Printer Shares
  - Printer shares
  - Output Queues
- Database
  - Tables
  - My Requests
  - Run SQL
  - Copy Data to Table
  - Import Request
  - Extract Server Data
- 5250
  - Active Sessions
  - Start 5250 Session
  - Configured Sessions
- Commands
  - Run commands
  - My commands
  - Search
- Files
  - Browse Files
  - File Shares
- Messages
  - Display Messages
  - Send Messages
  - Operator Messages
  - Message Queue
- Jobs
  - User Jobs
  - Server Jobs
- Customize
  - Preferences
  - Policies
  - Settings
- Download
  - List files to download
  - Create download files
- Other
  - Bookmarks
  - Change Password
  - Connection Pool
  - Status
  - Trace
  - About

Access for Web, 5722-XH2

New in V5R3

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Access for Web enhanced 5250 interface is

- Fully integrated into Access for Web
- A 5250 interface
- Servlet-based
- Runs on the iSeries
- Sends HTML pages to the browser
- Datastream in Unicode

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When Starting iSeries Access for Web must Signon

Netscape

Microsoft IE

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Access for Web Main Page

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Two ways to start

- Start a session dynamically
- Start a session using a stored configuration

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5250 Tab

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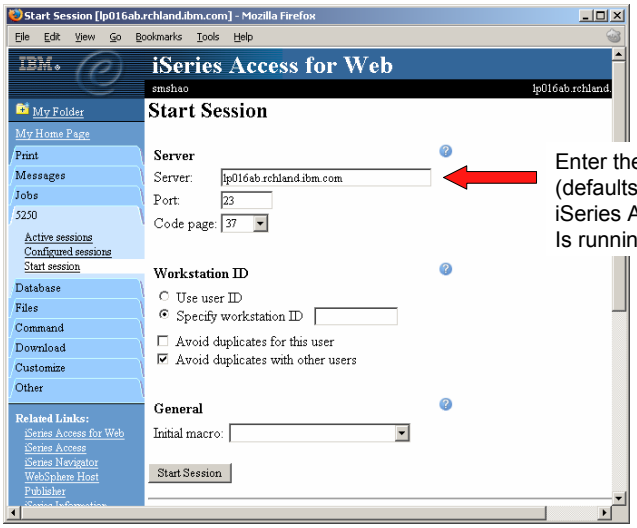
Start a Session Dynamically



Enter the server name (defaults to the server iSeries Access for Web Is running on)

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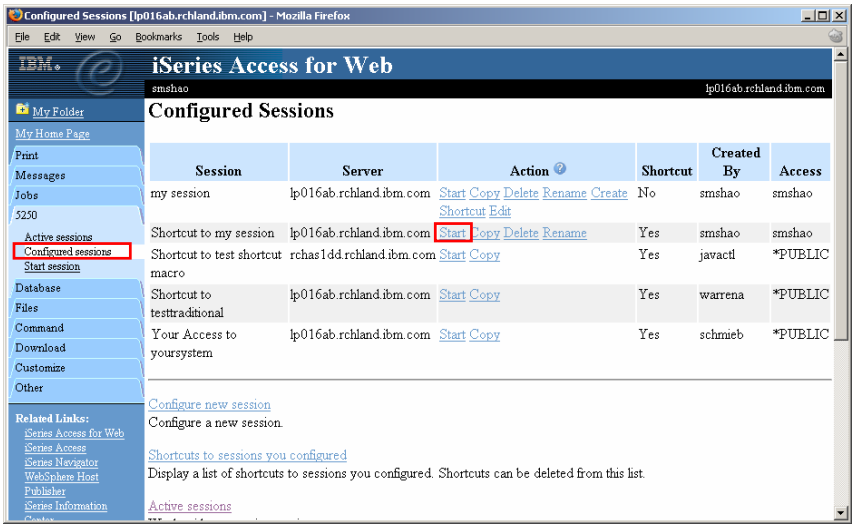
Starting a Configured Session



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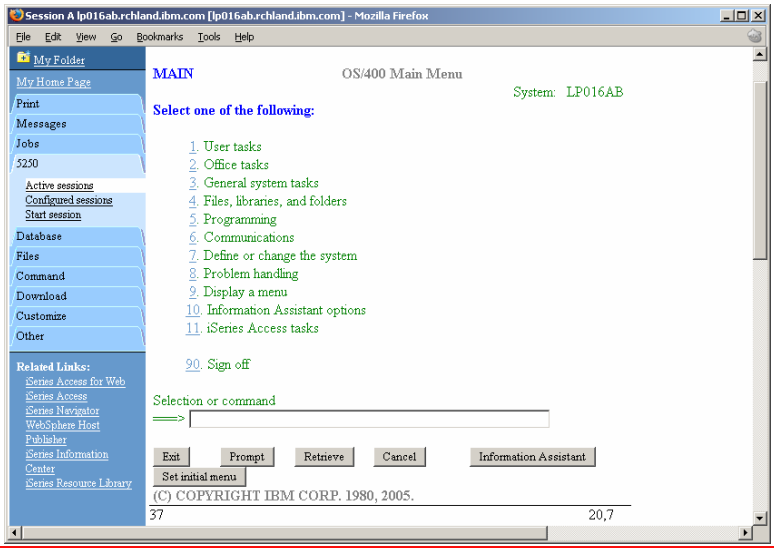
Active Session – Web View



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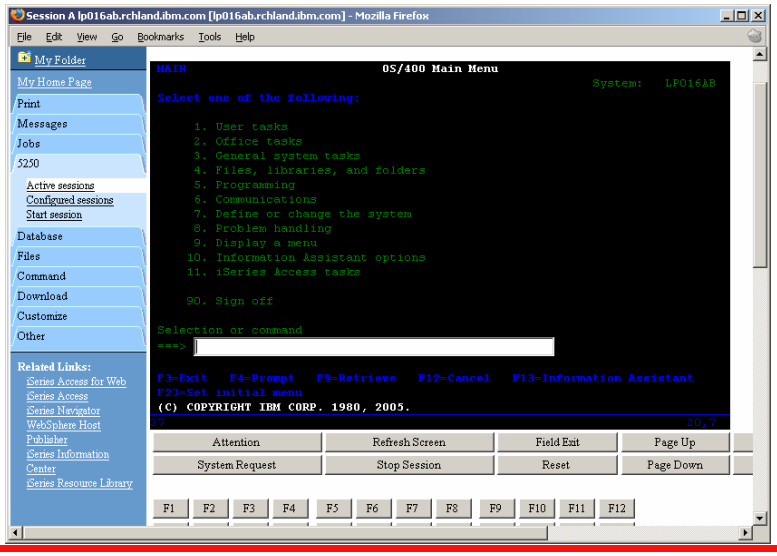
iSeries. mySeries.

Active Session - Traditional View



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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.

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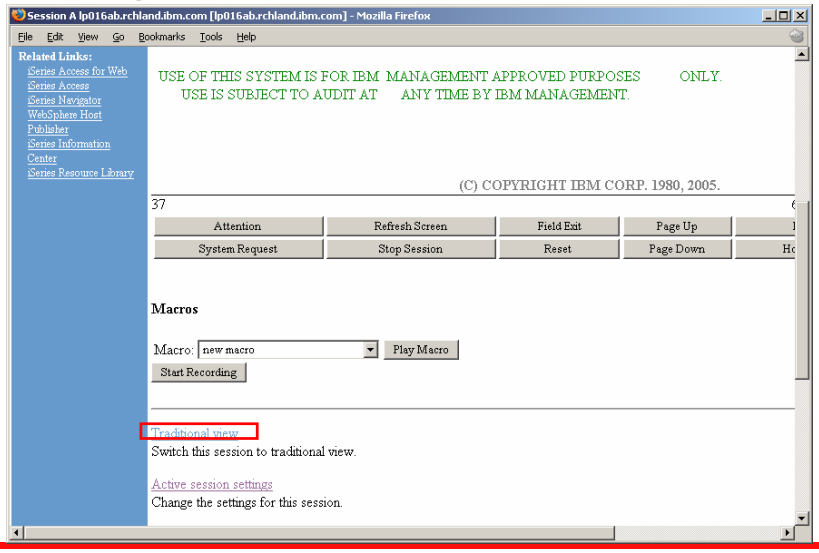
Switching Views



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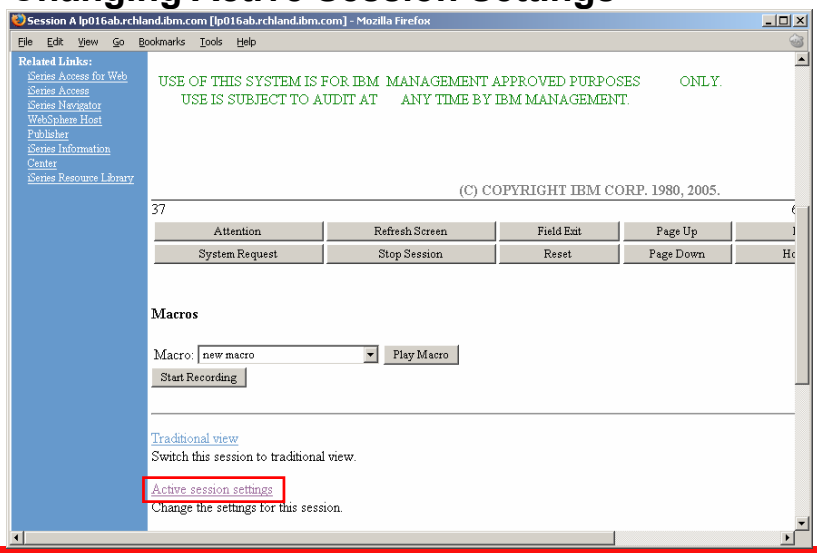
Changing Active Session Settings



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Active Session Settings

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

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Reconnecting to an Active Session

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Ending a Session

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

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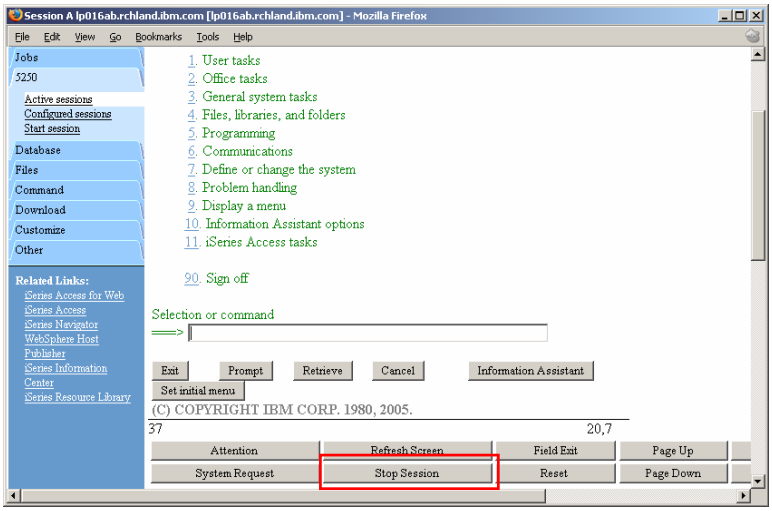
Ending a Session from Active Session



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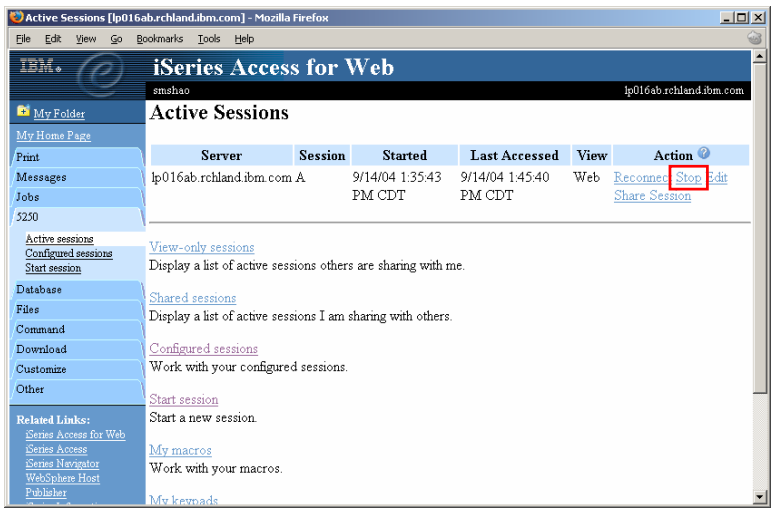
Ending a Session from Active Session List



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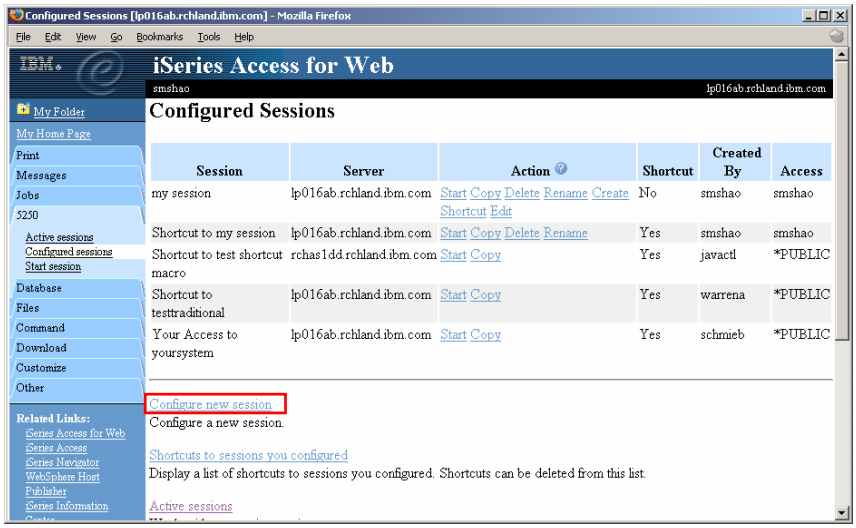
Configure a New Session



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Notes: Configure a New Session

See how session is added to configured list.

The Configured Sessions list displays saved session configurations for the current user. Session configurations are used to start 5250 user interface sessions with customized settings

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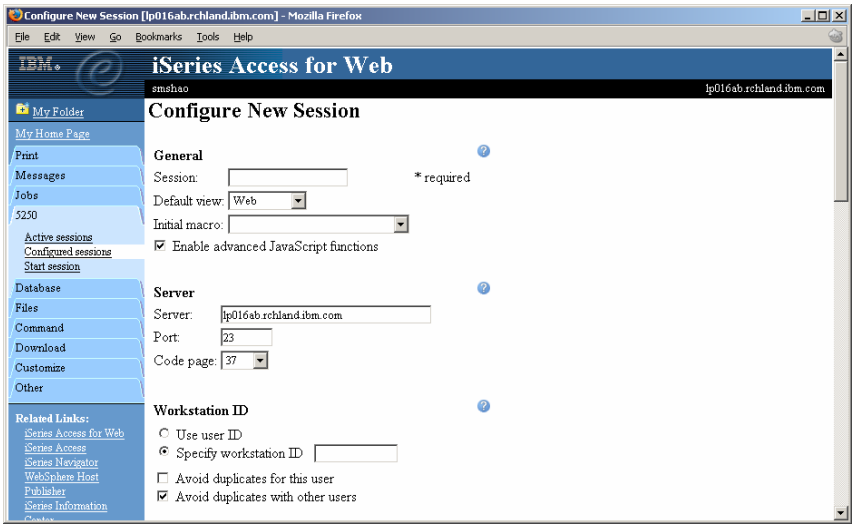
Configure a New Session



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Notes: Configure a New Session

Session name - Session name uniquely identifies the session within the Configured sessions list.

Default view Default view specifies whether the Web view or the Traditional view is used when this session starts. The view can be changed while the session is active.

Enable advanced JavaScript functions for Internet Explorer - This option enables a 5250 user interface session to handle page up, page down, and function keys, when Microsoft Internet Explorer (version 5.0 and higher) is used. This option requires the browser to have JavaScript enabled. If this option is disabled, or a different browser is used, keypad buttons must be used to handle these keys

The server and workstation id parameters are the same as those of the start session.

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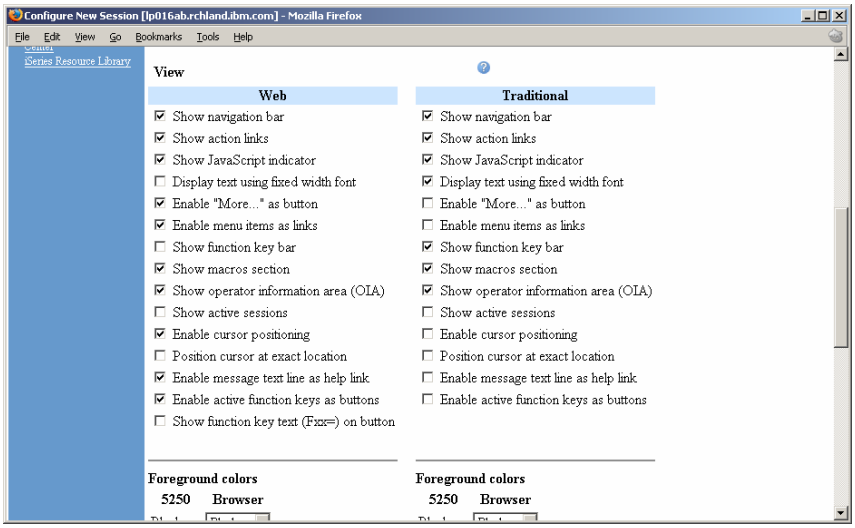
Configure a New Session...



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Notes: Configure a New Session

Show navigation bar
Use this setting to indicate whether the iSeries Access for Web navigation bar is displayed when a 5250 user interface session is active.

Show action links (new)
This setting controls whether the action links such as: Active session settings, My macros, and My keypads are displayed below the 5250 session user interface.

Show JavaScript indicator (new)
Use this setting to specify whether the JavaScript indicator is displayed at the bottom of the 5250 user interface page. The JavaScript indicator requires a JavaScript capable browser with JavaScript enabled.

Display text using fixed width font
This setting controls whether the 5250 user interface session uses a fixed width font or a proportional font.

Enable "More..." as button
Use this setting to specify whether fields containing "More..." are enabled as buttons or displayed as text. If "More..." fields are displayed as text, additional pages can be retrieved using a page down key on a keypad or the page down key on the keyboard.

Enable menu items as links
This setting specifies whether option numbers on menus (between 1 and 99) are displayed as links. To choose a menu option when this setting is not enabled, you must enter the menu option number in the command line.

Show function key bar
Use this setting to display the function key bar below the 5250 screen. The function key bar contains all of the function keys, F1 through F24, as buttons. The layout and content of the function key bar cannot be configured. Use My keypads to display a customized keypad above, below, or next to the 5250 screen.

Show macros section (new)
This setting specifies whether macros can be played and recorded. It does not restrict access to the My macros list.

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Notes: Configure a New Session

Show operator information area (OIA) (New)
Use this setting to indicate whether the operator information area (OIA) for the 5250 session is displayed. The operator information area is the area that displays information such as the input inhibited indicator and the cursor location.

Show active sessions (New)
This setting specifies whether the list of active sessions is displayed with each 5250 session page. Displaying the active session list with each 5250 page provides a quick way to switch between multiple active sessions.

Enable cursor positioning
This setting specifies whether non-input fields are implemented as links or as plain text. If non-input fields are implemented as links, choosing a link updates the current cursor position for the active session to the first position of the field. This is useful for functions which use the current cursor position. See Cursor positioning for more information. If Enable message text line as help link is also enabled, the message text setting overrides the cursor positioning behavior.

Position cursor at exact location (New)
Use this setting to enable the ability to position the cursor at an exact location within a field. This is useful when using an application that requires the cursor to be at an exact location within a field for context sensitive operations. This setting only takes effect if Enable cursor positioning setting is also enabled. (today assumes beginning of field)

Enable message text line as help link
Use this setting to enable the message text line as a link to the message help. If this setting is not enabled, the Enable cursor positioning setting can be used to enable retrieving message help.

Enable active function keys as buttons
This setting specifies whether the active function keys, at the bottom of the screen, are enabled as buttons or displayed as text. If the function keys are displayed as text, the functions can be invoked using the function key bar, a configured keypad, or the function keys on the keyboard. Each of these options have configuration considerations.

Show function key text (Fxx=) on button
This setting specifies whether "Fxx=" is included on the button text, when Enable active function keys as buttons is enabled. If active functions are not displayed as buttons, this setting is ignored. This setting is only available for the Web view. For the Traditional view, "Fxx=" is always included when active functions appear as buttons on the screen.

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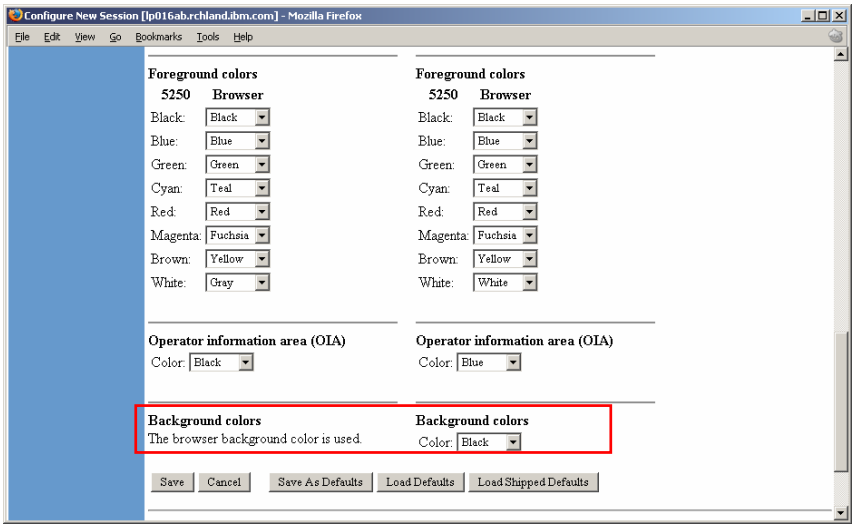
Configure a New Session...



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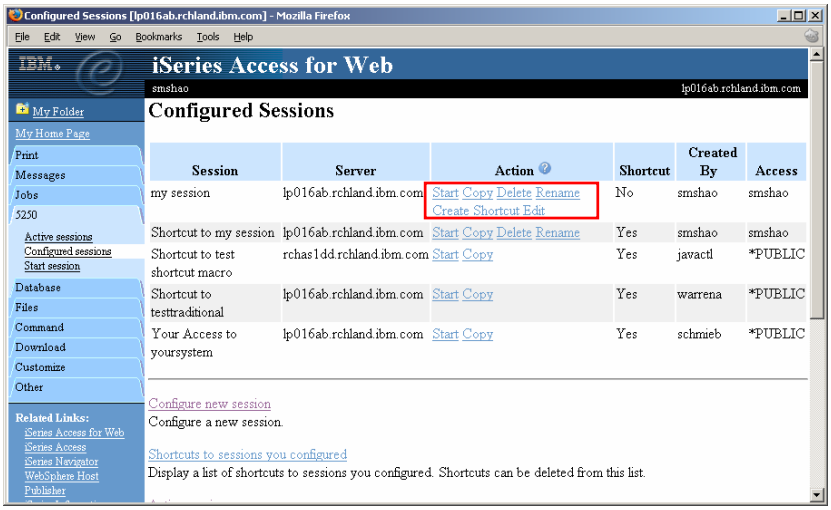
Configured Session Actions



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Configured Session Actions

- 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

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Shortcuts

- iSeries Access for Web objects are only accessible by users that created them
- Shortcut is a pointer to an iSeries Access for Web object
  - Configured 5250 session
  - Database request
- Method used to share 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
  - Can delete the shortcut if the shortcut is created for the user
    - Cannot delete the shortcut if the shortcut is created for a group the user belongs to
- Shortcuts to an object are deleted when the object is deleted

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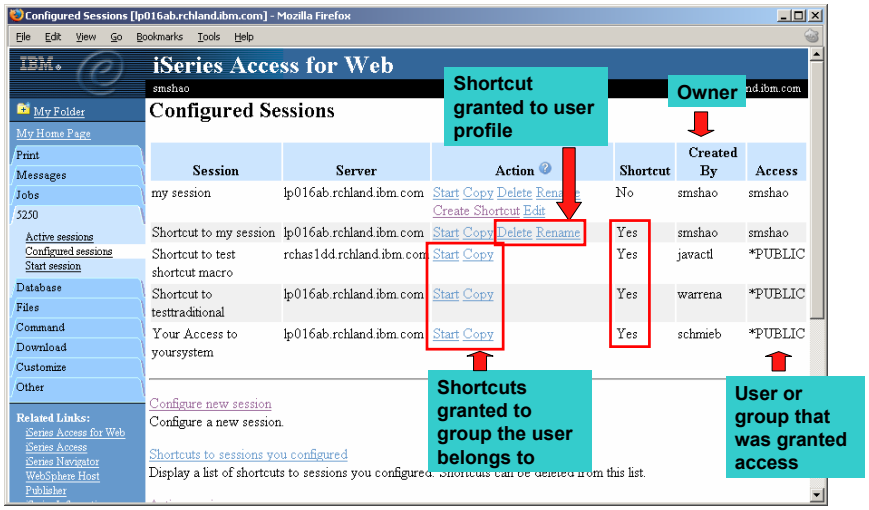
Shortcut Example



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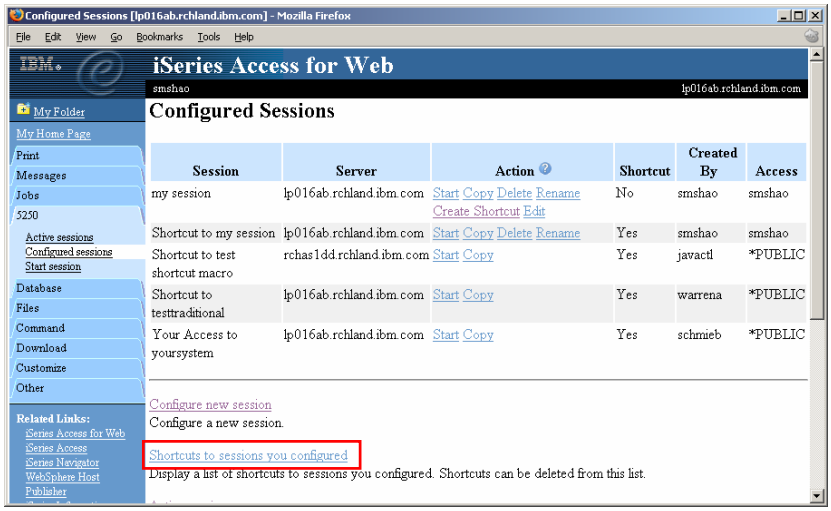
Finding Shortcuts You Created



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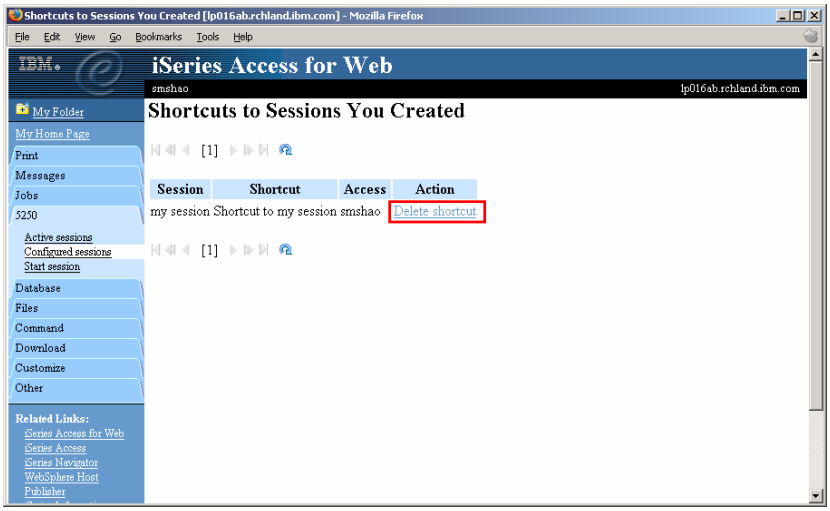
Managing Shortcuts You Created



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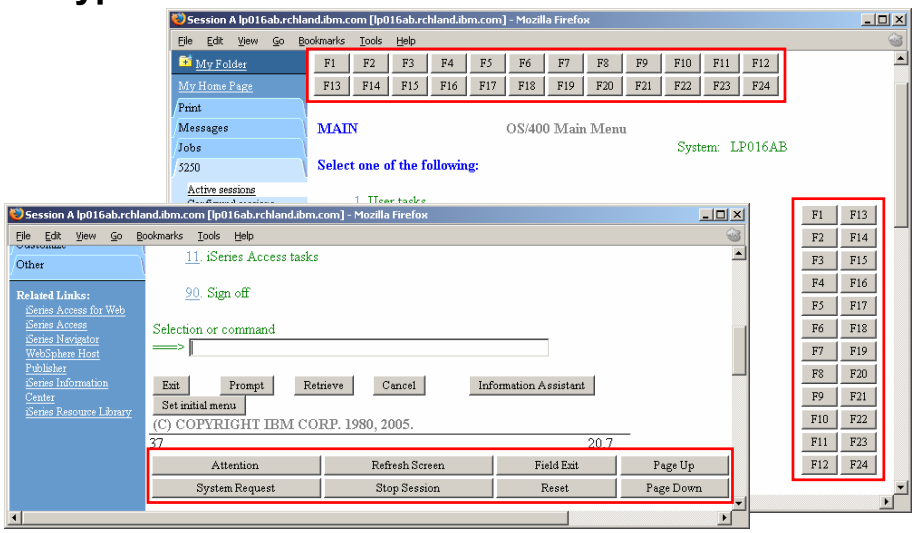
Keypads



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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

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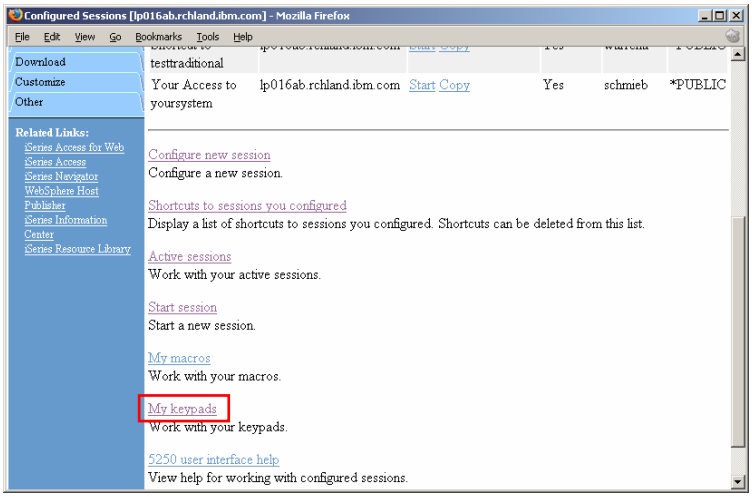
Configuring Keypad



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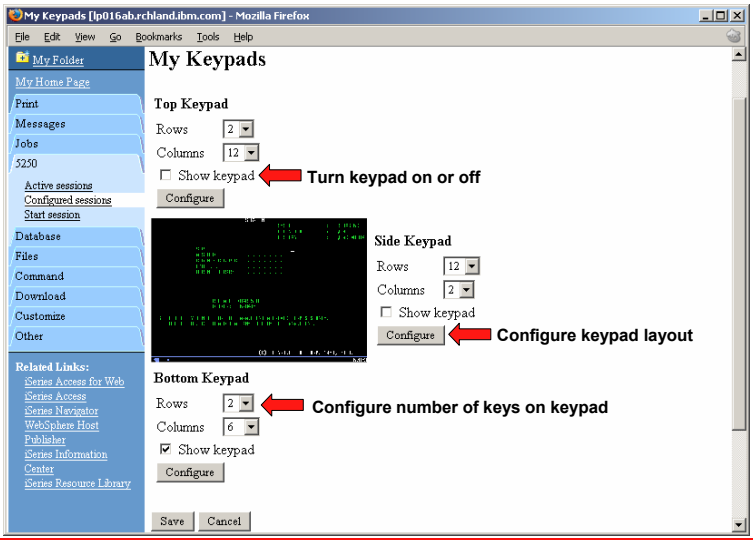
Configuring Keypad



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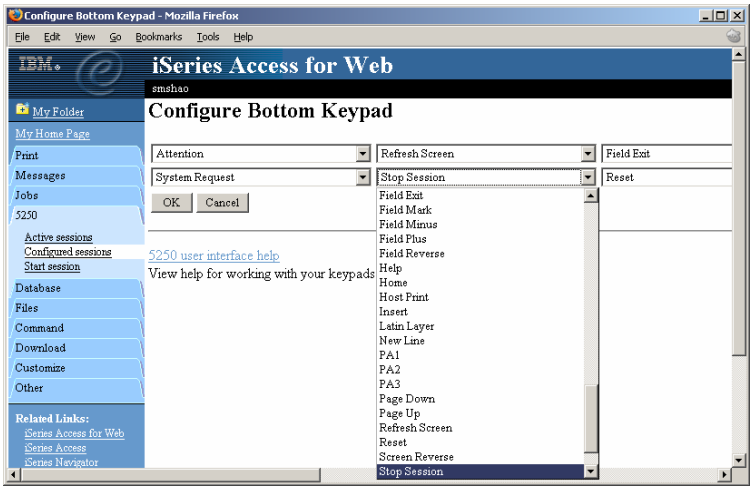
Configuring Keypad



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Macros

- Behaves differently than PC5250
  - Keys processed on a screen by screen basis
    - PC5250 – every key is recorded and played back
    - iSeries 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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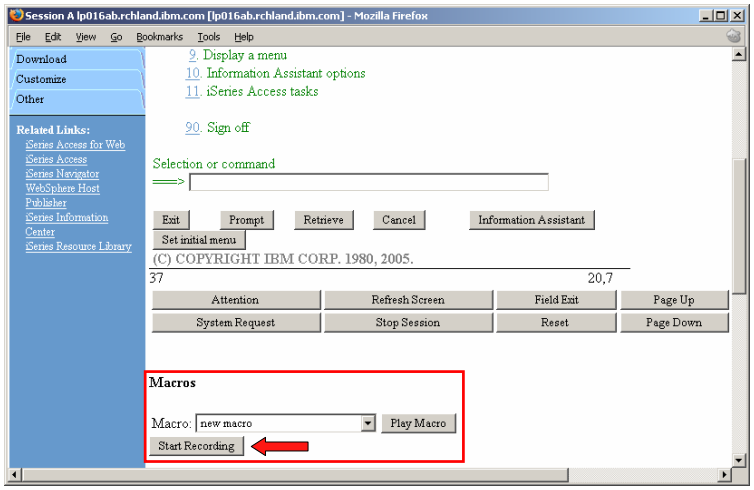
Recording Macros



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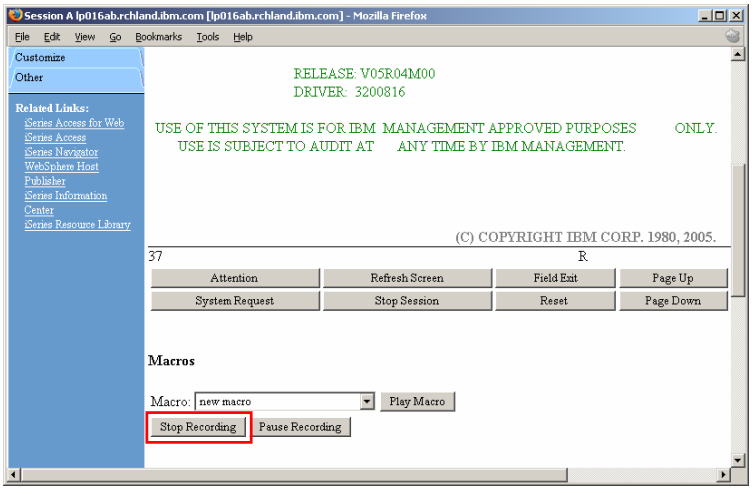
Stop Recording



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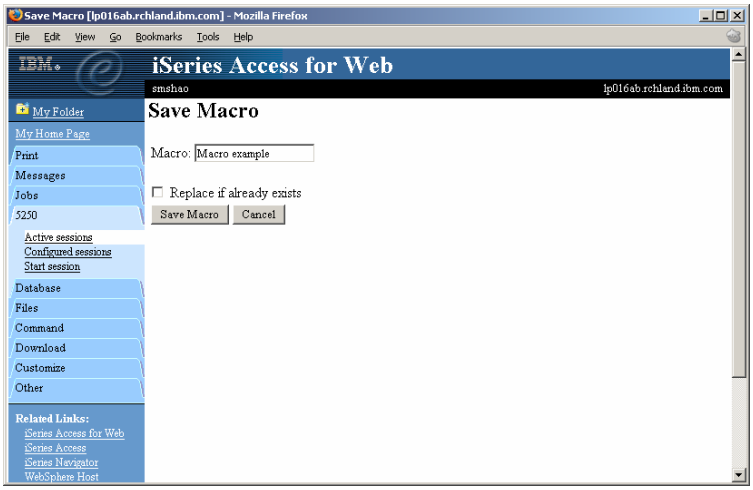
Naming the Macro



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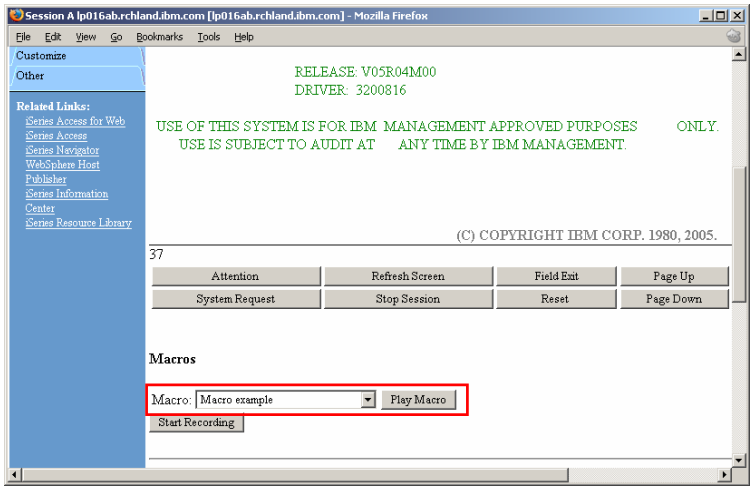
Playing Macro



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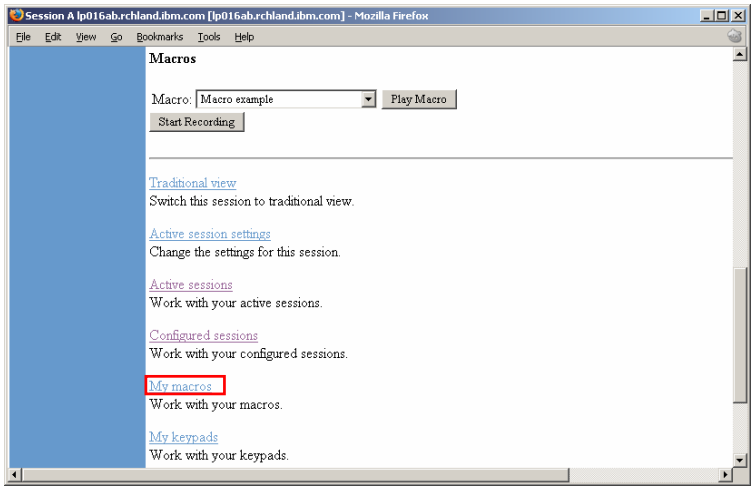
Managing Macros



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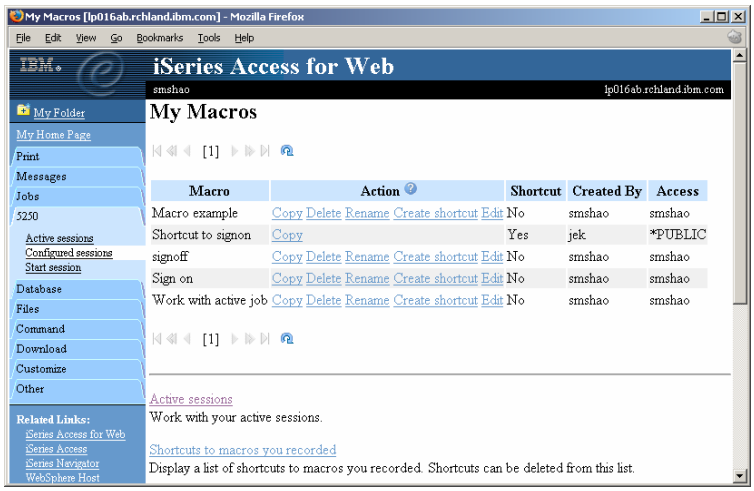
Macro List



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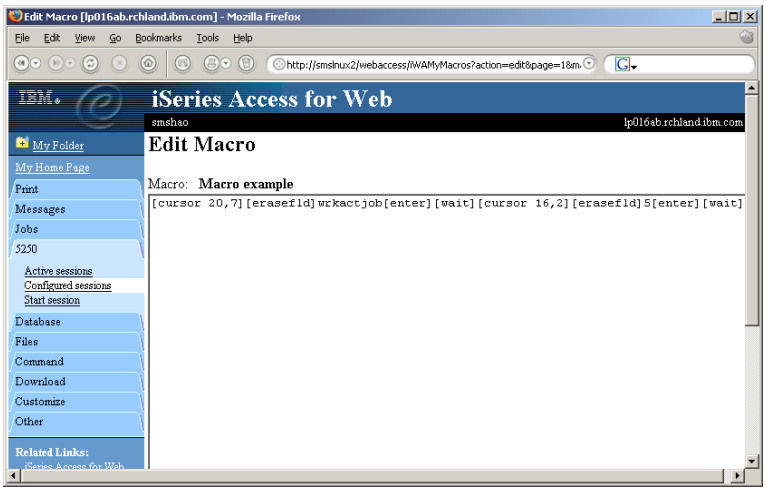
Editing a Macro



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Notes: supported commands for macros

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

General macro commands...
[pf1] - F1
[pf2] - F2
[pf3] - F3
[pf4] - F4
[pf5] - F5
[pf6] - F6
[pf7] - F7
[pf8] - F8
[pf9] - F9
[pf10] - F10
[pf11] - F11
[pf12] - F12
[pf13] - F13
[pf14] - F14
[pf15] - F15
[pf16] - F16
[pf17] - F17
[pf18] - F18
[pf19] - F19
[pf20] - F20
[pf21] - F21
[pf22] - F22
[pf23] - F23
[pf24] - F24
[help] - Help
[home] - Home

General macro commands...
[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

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.
[pause] - Pause 1 second
[pause n] - Pause n seconds
[wait] - Wait for input

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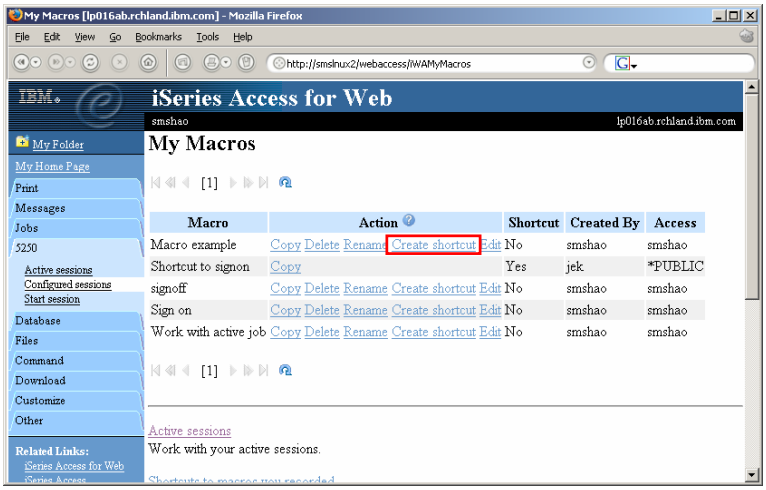
Sharing a Macro



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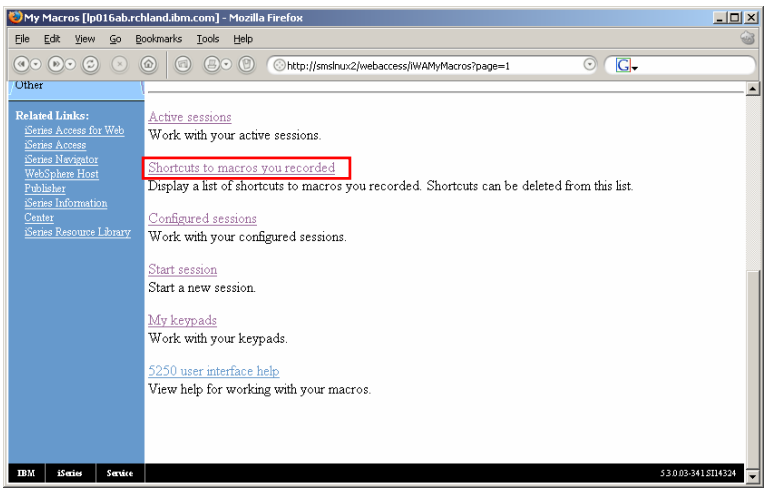
Managing Macro Shortcuts



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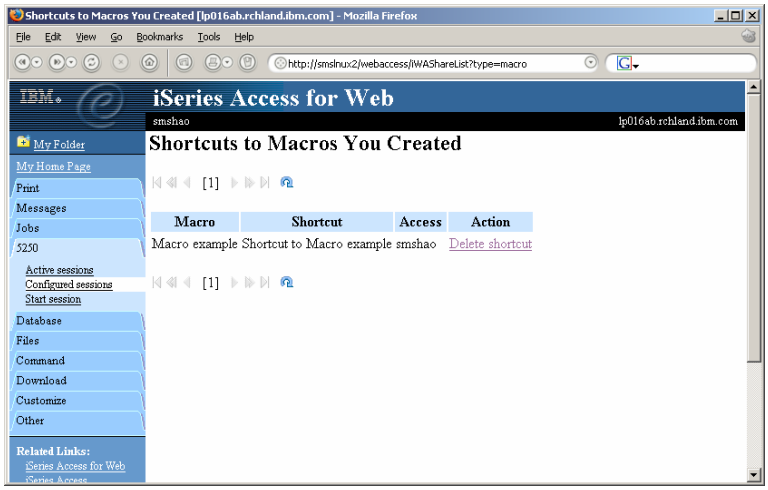
Macro Shortcut List



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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

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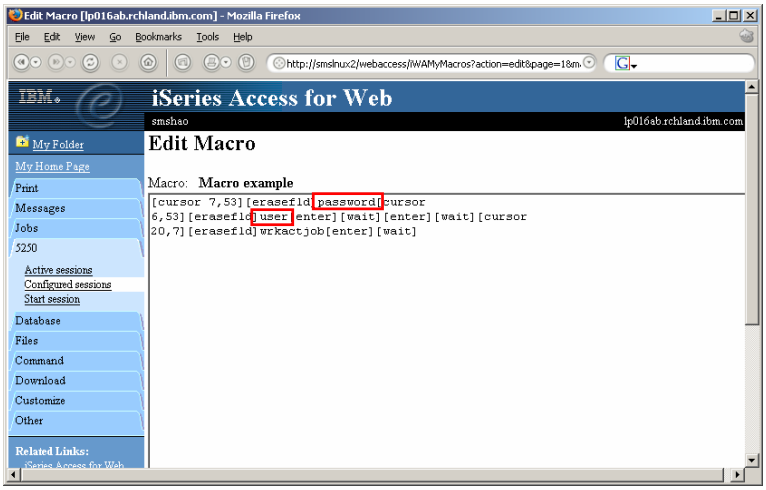
Edit Macro



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Edit Macro

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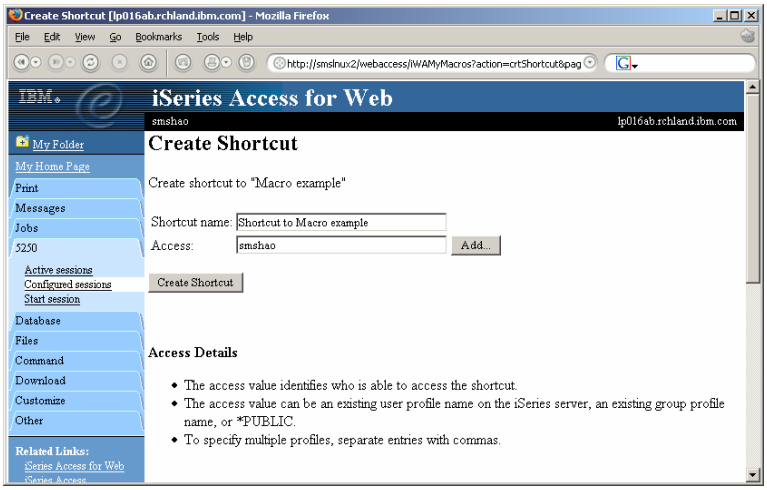
Share the Macro



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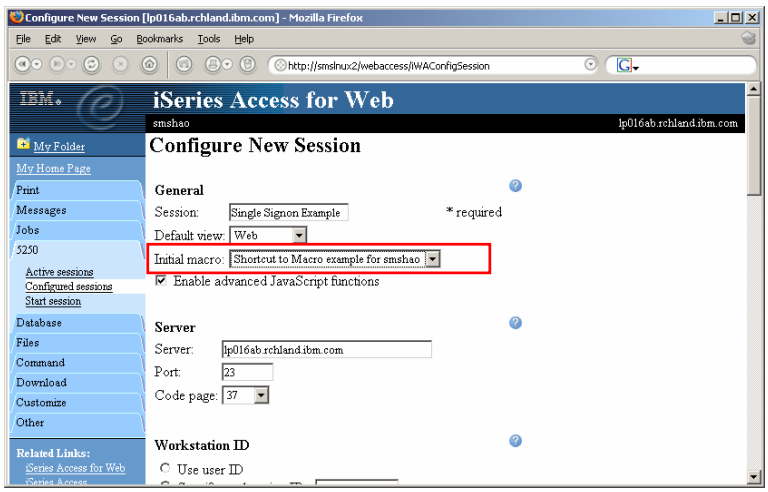
Create New Session



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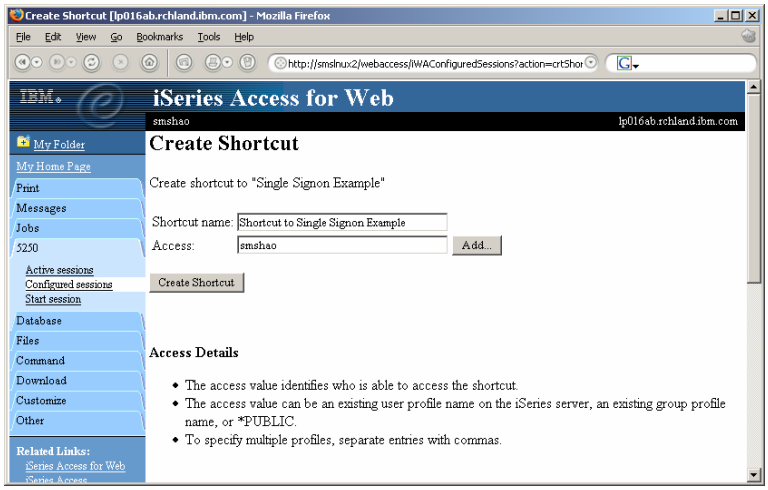
Share the Session



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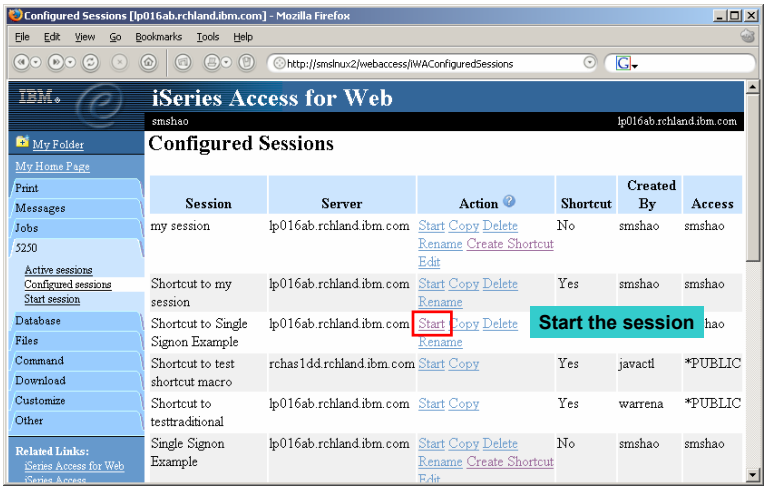
Starting the Session



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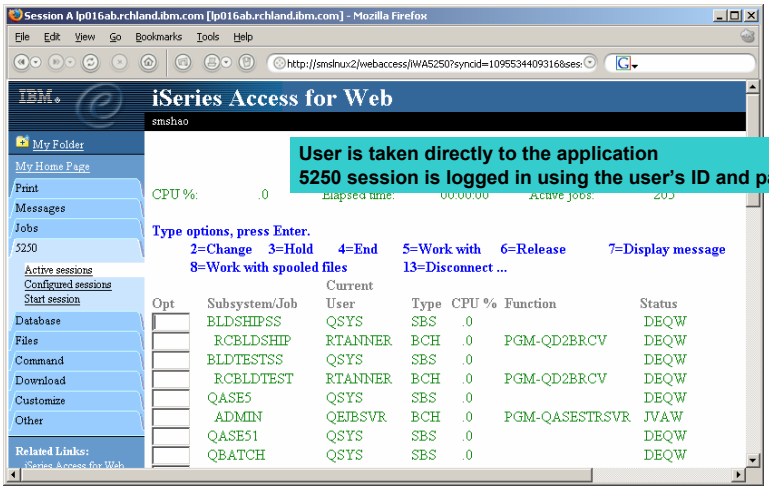
Start Session Result



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

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Session Defaults

- Default values are used to
  - Start a session dynamically
  - Configure a new session
- Two ways to set defaults
  - User can set the default values
    - Default values only apply to the user
  - Use a configured session as default (policy)
    - May be set for user or group
  - If both are set, policy setting overrides user defaults

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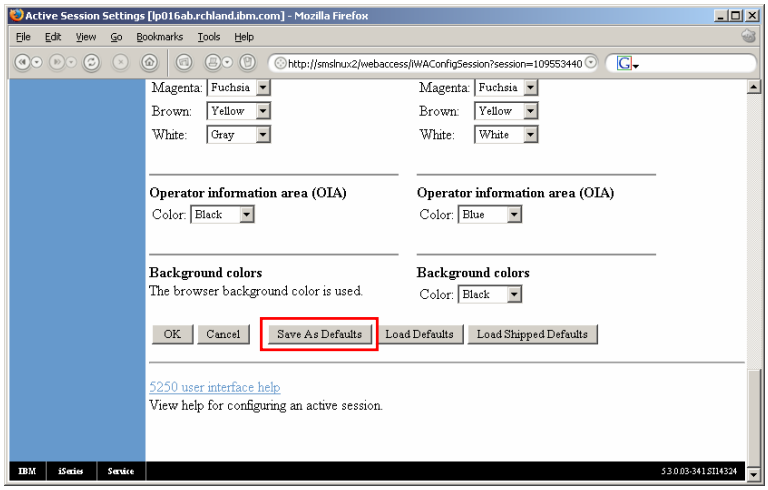
Setting User Defaults



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Setting Default Session

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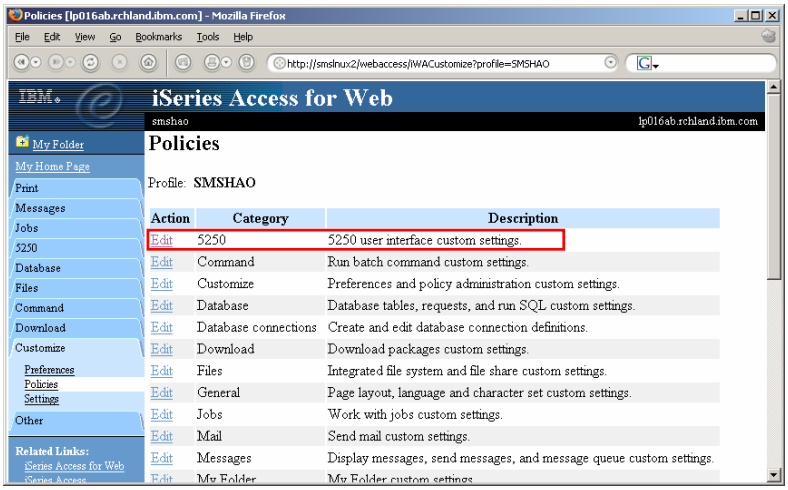
Setting Default Session



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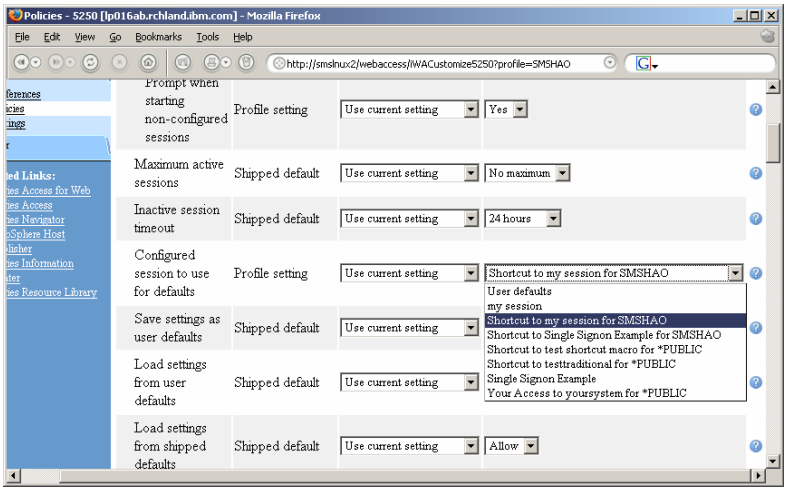
Setting Default Session



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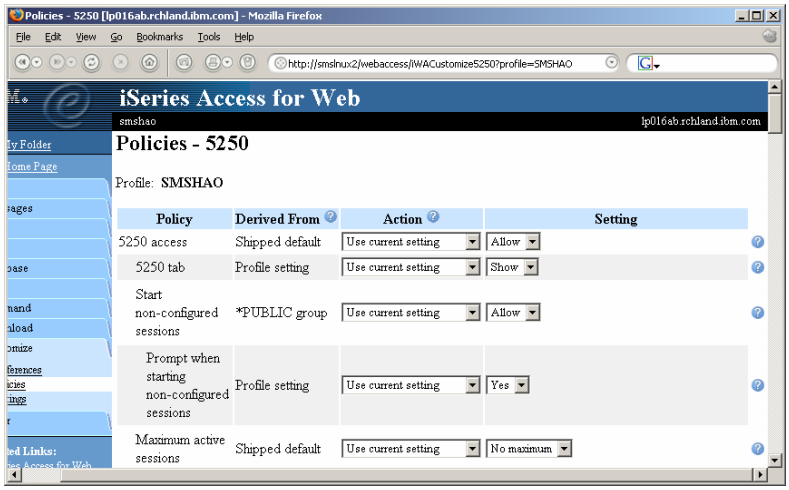
5250 Policies



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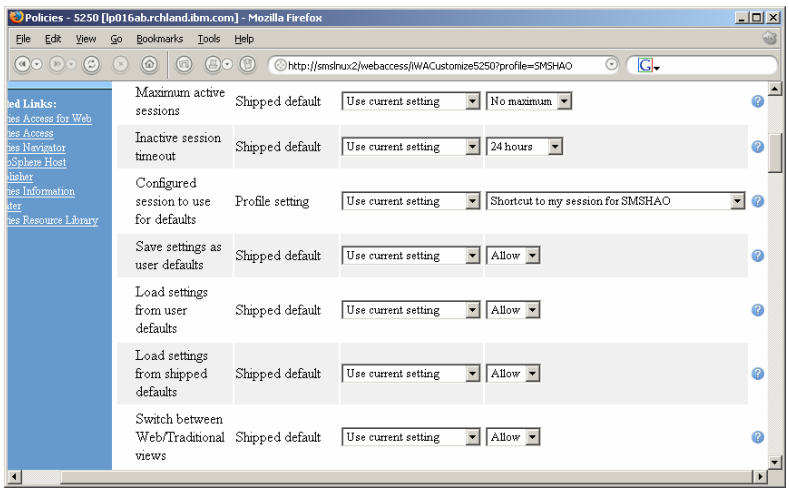
5250 Policies



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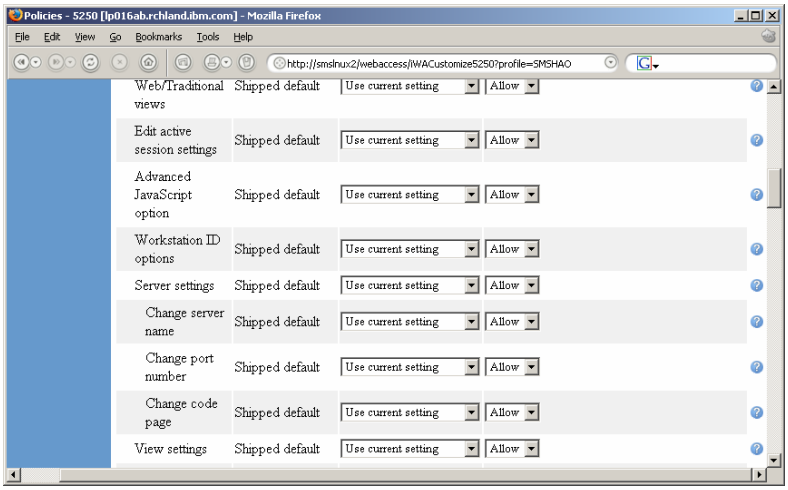
5250 Policies



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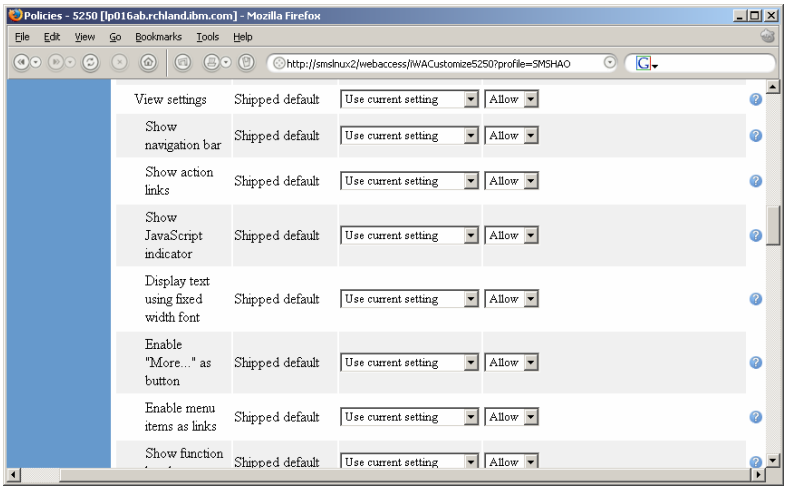
5250 Policies



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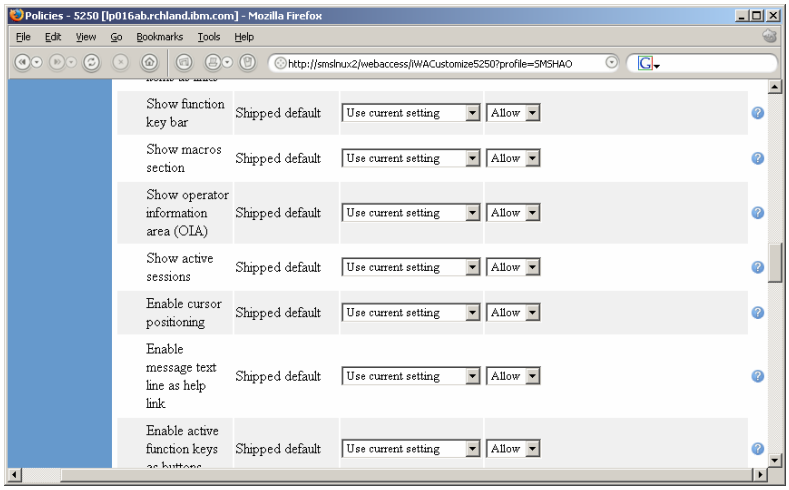
5250 Policies



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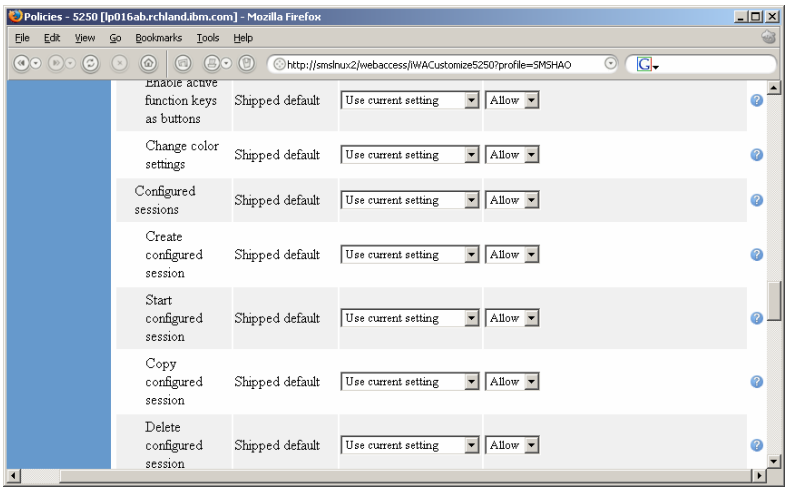

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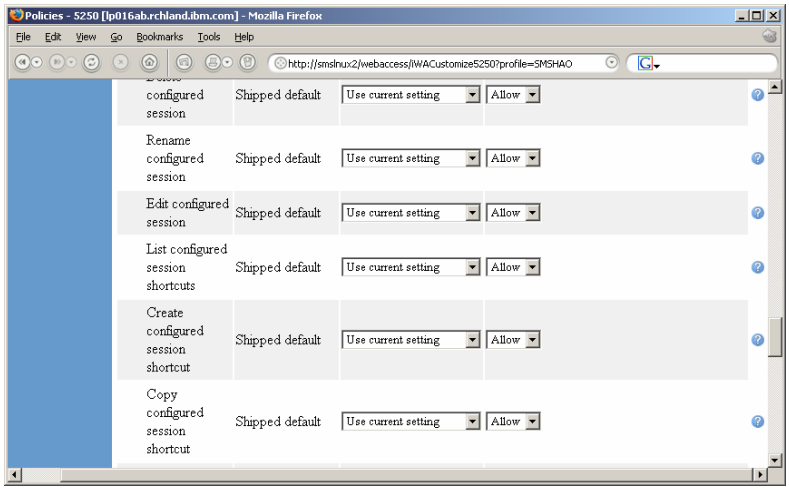

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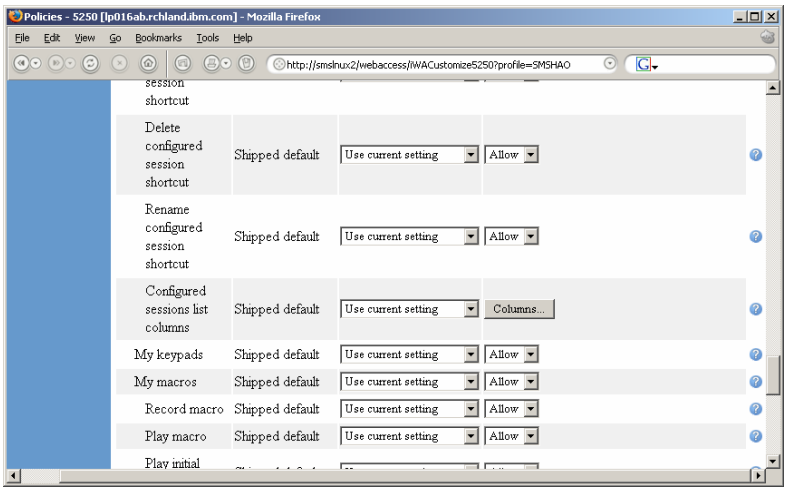

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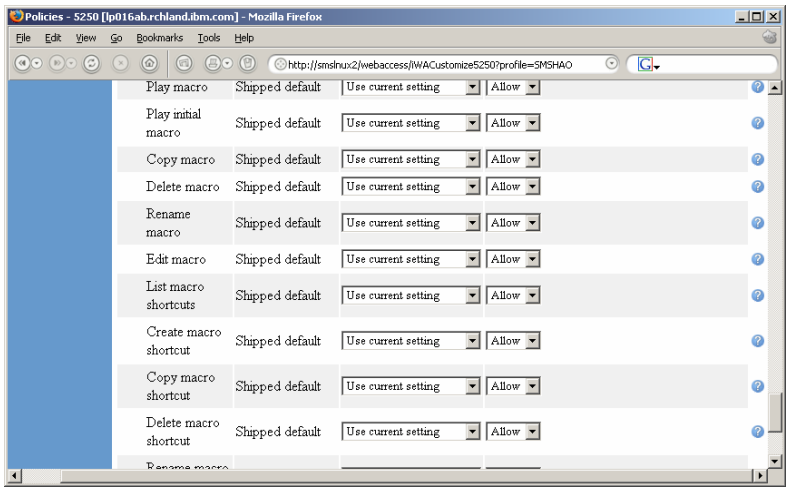
5250 Policies



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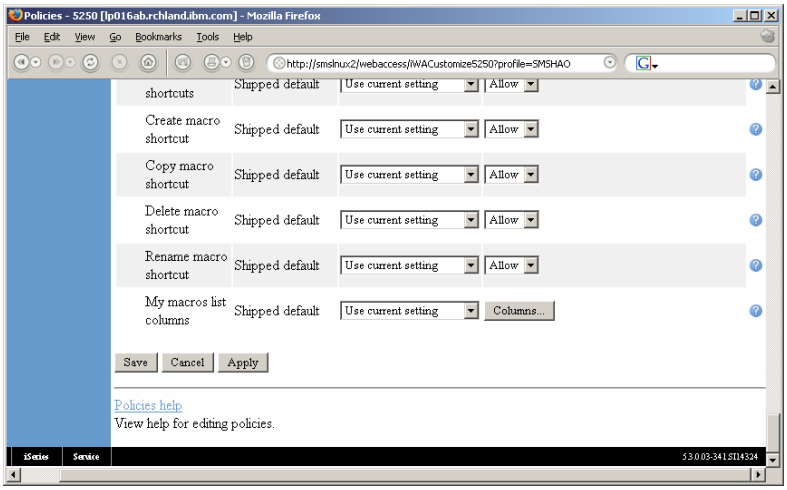
5250 Policies



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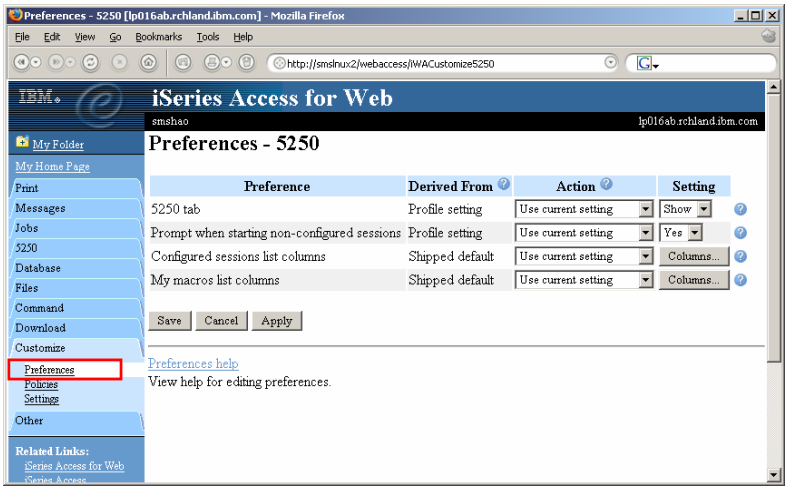
5250 Preferences



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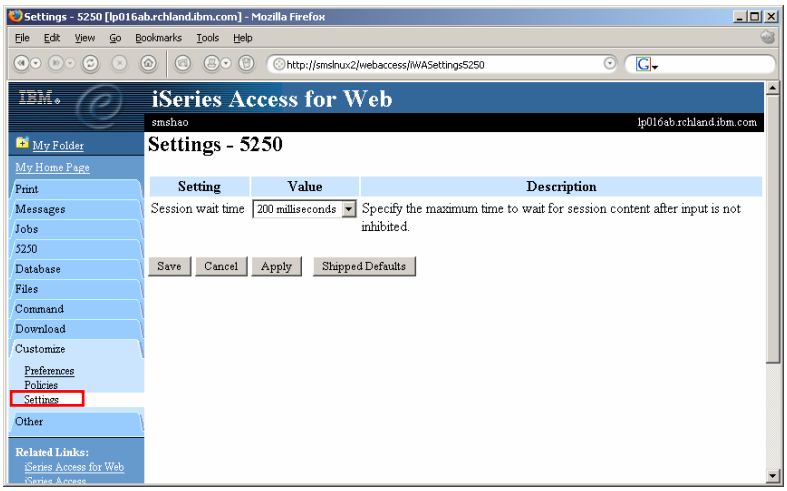
5250 Settings



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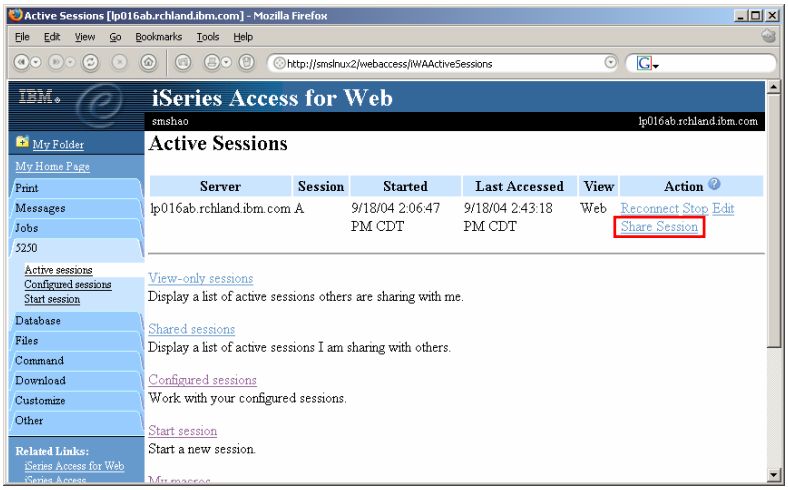
Sharing an Active Session



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Notes: Shared Sessions

Active sessions can be shared with other users and groups. The user who starts the session maintains full control of it. Users with whom the session is shared can only view the session. They cannot enter input or change the session settings. Changes to a shared session are not automatically seen by users viewing the session. The browser's refresh button must be used to see the latest changes.

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Sharing an Active Session

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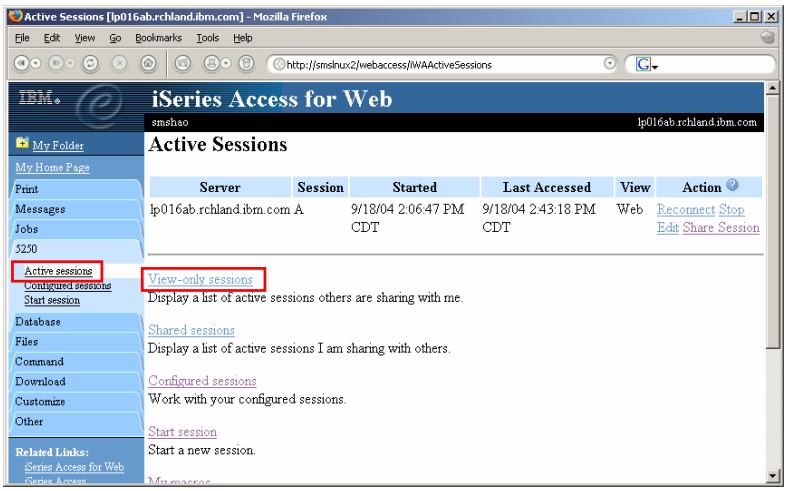
View-only Sessions



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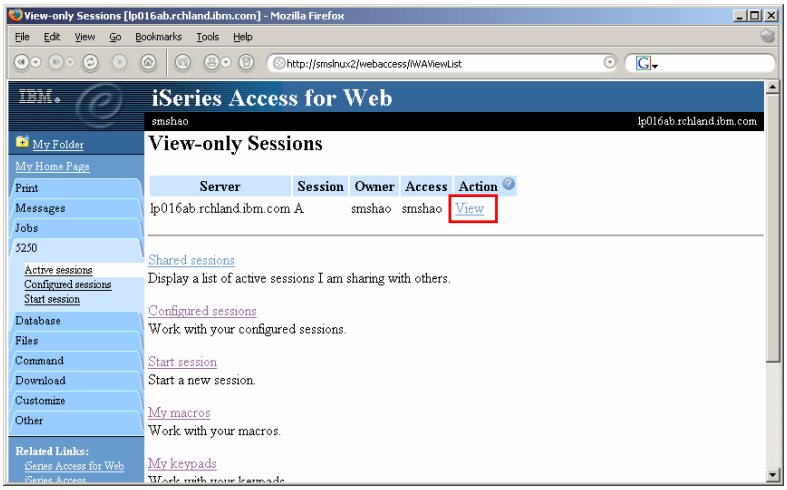
View-only Session List



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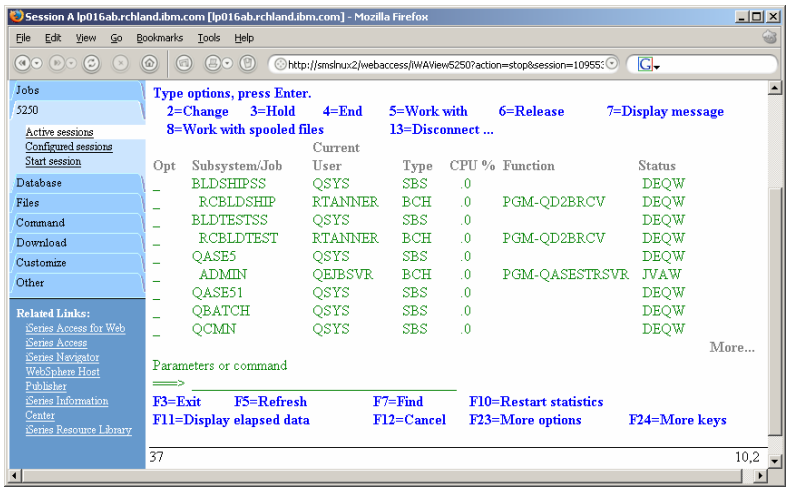
View-only Session



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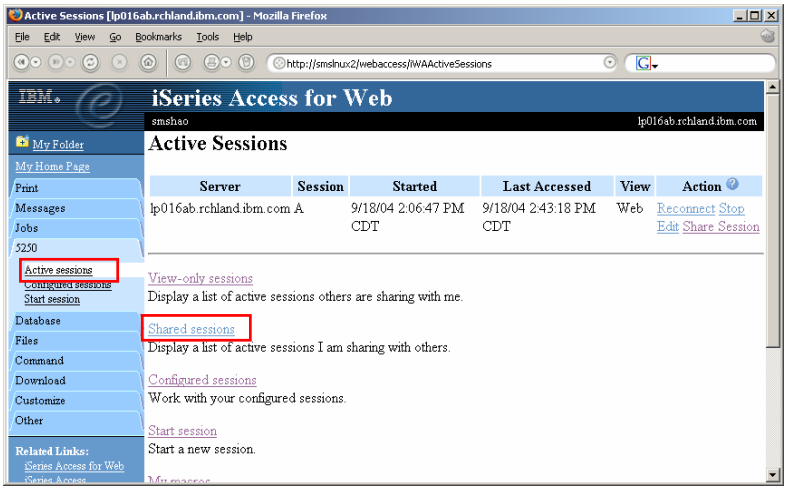
Managing Shared Sessions



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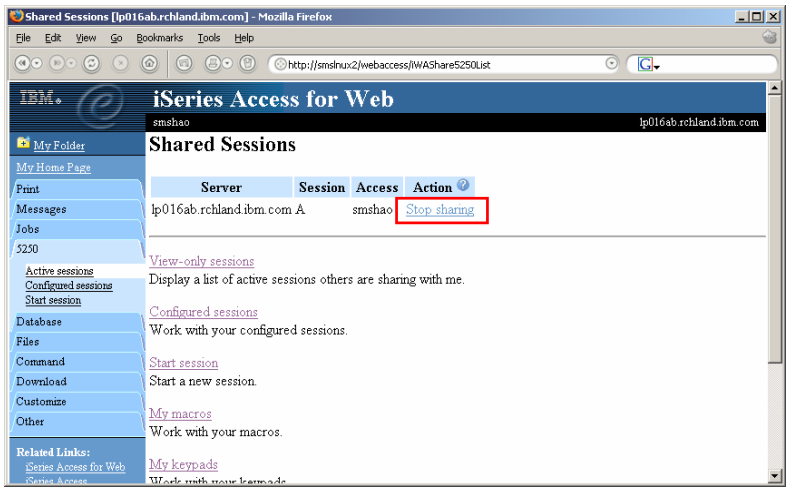
Shared Session List



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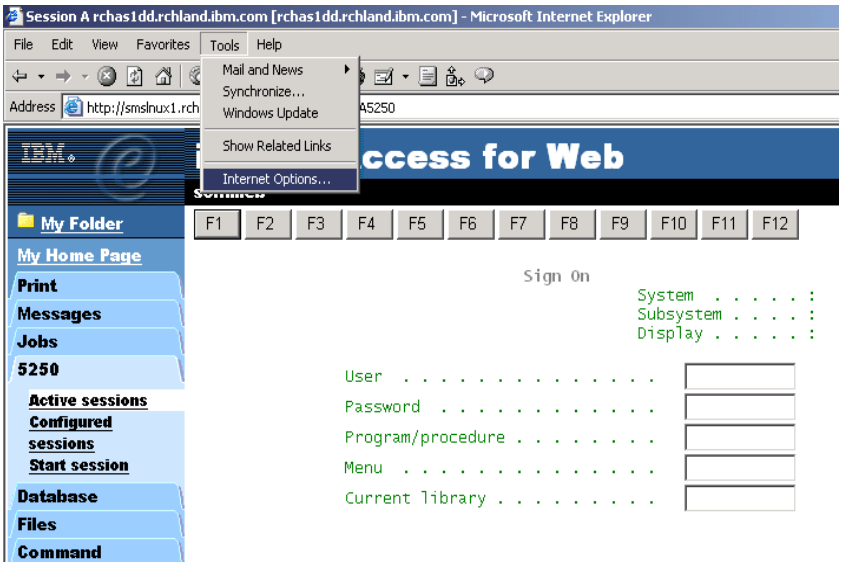
Changing Fonts (MS IE)



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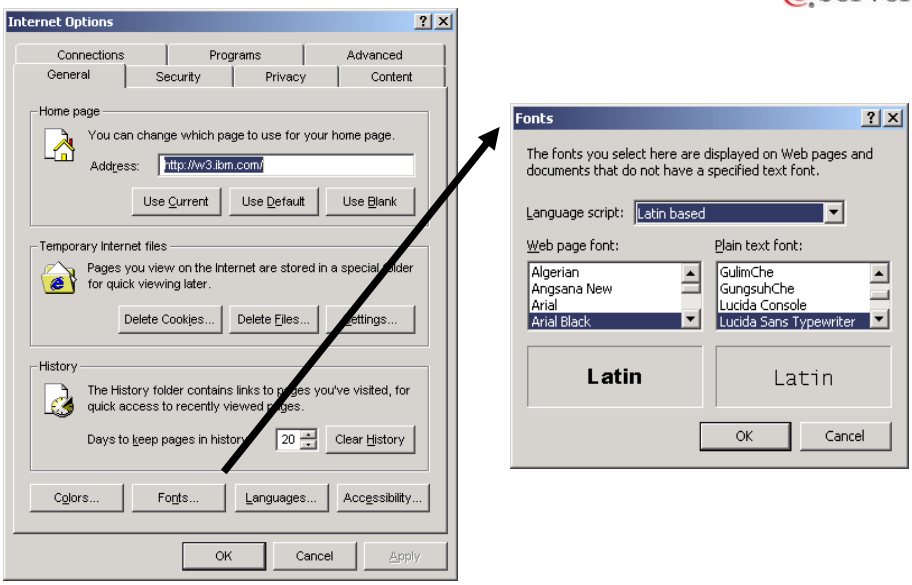
Changing Fonts (MS IE)



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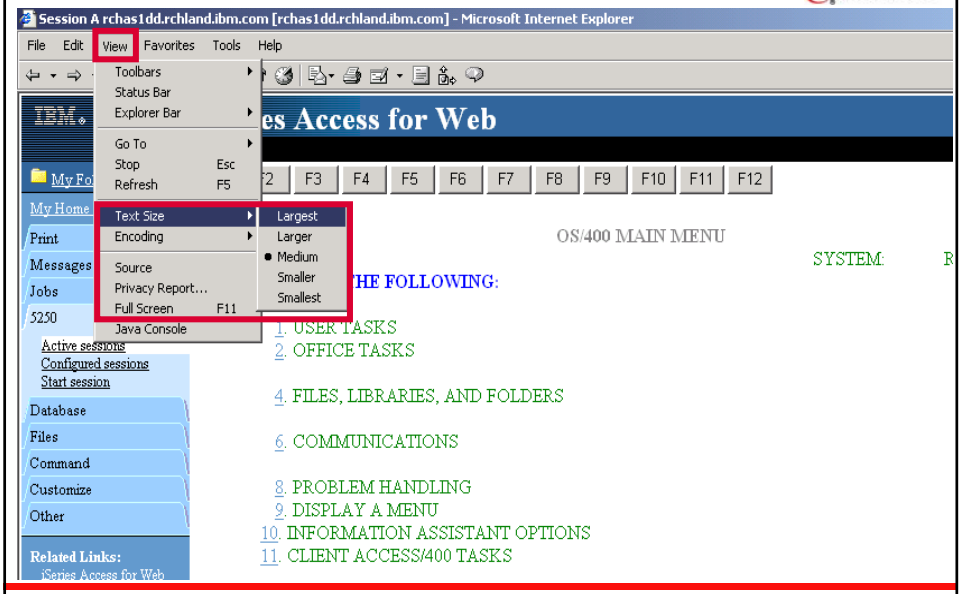
Changing Fonts via Microsoft IE



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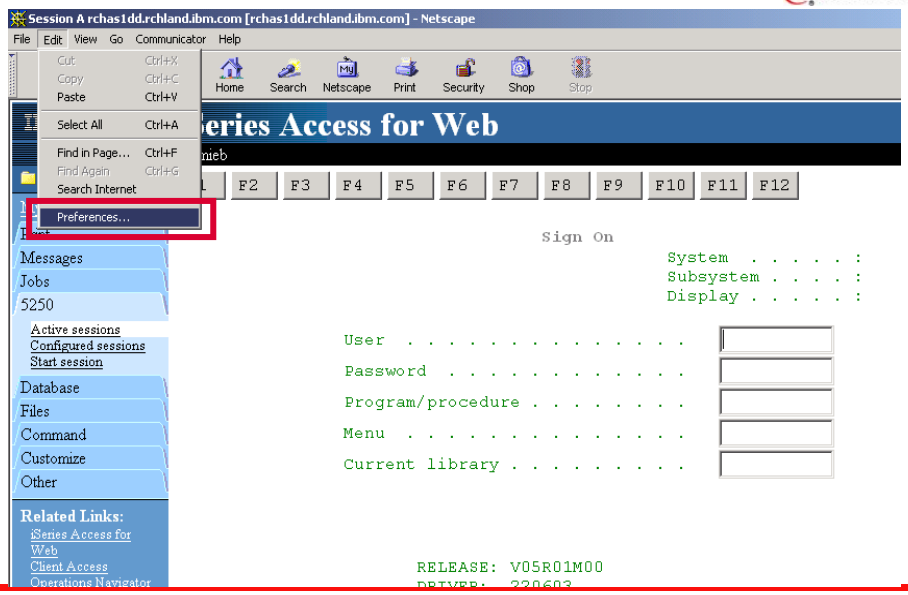
Changing Fonts via Netscape



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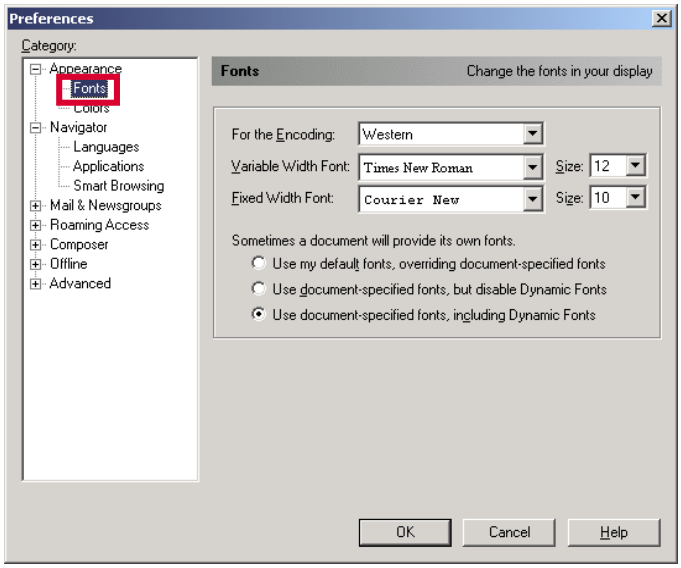
Changing Fonts via Netscape...



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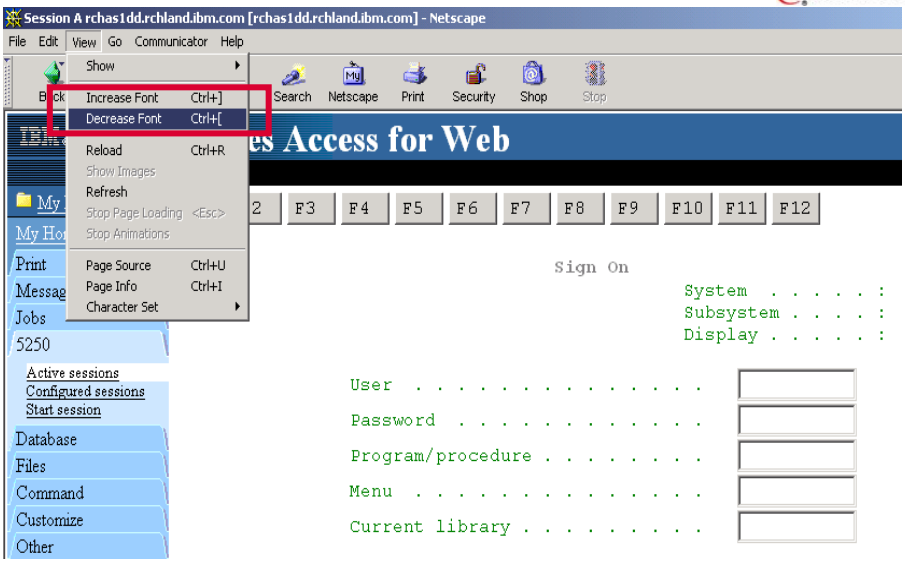
Changing Text Size



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Notes: Changing Font and text size

The browsers provide the means for changing the font and size of the characters on the display

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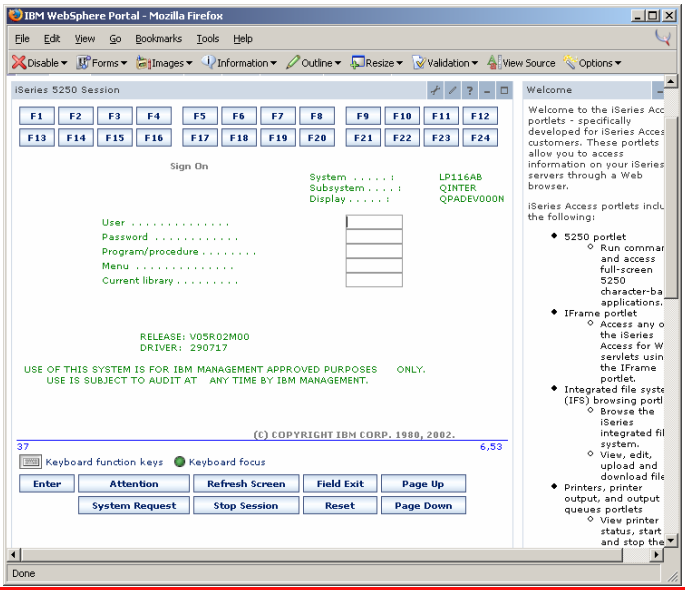
5250 and Portal Server



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Things to know

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

- Not full-function emulator
- Not intended to replace full function emulators like PC5250, Host On Demand, Host Publisher, etc for purposes of "heads-down" data entry type of operations
- Does not include file transfer from session or host print via print key
- Do not include graphics, EHLAPPI, DDE functionality
- No direction interaction with server, so unsolicated server messages can't be received. (need to request refresh to see break messages)

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