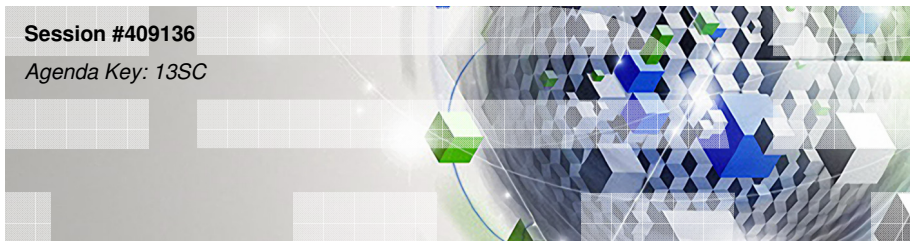


Get to the Web Fast with IBM i Access for Web: Including 5250 Browser Access

Speaker Name: Wayne Bowers (wbowers@us.ibm.com)

Session #409136
Agenda Key: 13SC



Power your planet.

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Contents

- **What is IBM i Access for Web?**
- **Getting started**
- **Major Functions**
 - 5250
 - Database
 - Print
 - File System
- **Portlets**



What Is It?



What is IBM i Access for Web?

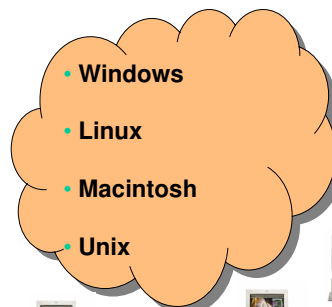
End users can leverage business information, applications, and resources across an enterprise by extending the IBM i resources to the client desktop through a web browser

Provides access to IBM i 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:

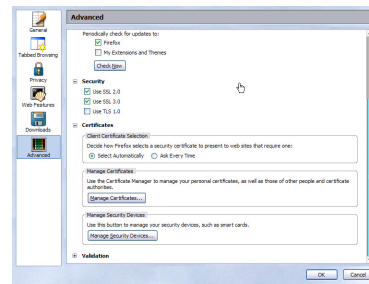
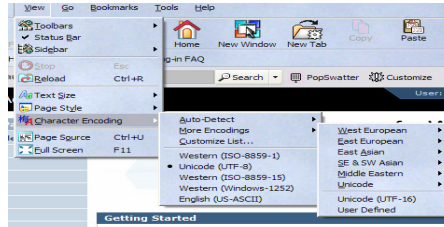
- Is server based
- Requires only a browser on the client, no configuration required at desktop, no applets installed on desktop
- Uses industry standard protocols - HTTP, HTTPS and HTML



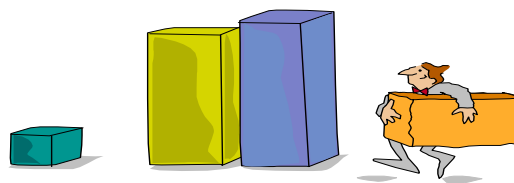


Fully Integrated with your Browser

- ❖ Use any code page available in your browser
 - System i Access for Web translated into 38 NLVs (including DBCS)
 - See screens in preferred language
- ❖ Use any keyboard setting available in Windows
- ❖ Font Size
- ❖ Set up SSL to your browser



Packaging and Ordering





IBM i Access Family - Packaging

V7R1 5770-XW1 IBM i Access Family	V6R1 5761-XW1 System i Series Access Family
IBM i Access for Windows, 5770-XE1, V7R1	System i Access for Windows, 5761-XE1, V6R1
IBM i Access for Web, 5770-XH2, V7R1	iSeries Access for Web, 5761-XH2, V6R1
System i Access for Linux, 5761-XL1, V1.0 (V6R1)	iSeries Access for Linux, 5761-XL1, V1.0 (V6R1)
	iSeries Access for Wireless, 5722-XP1, V5R3
R6.1 IBM i® customers not wanting to upgrade their operating system to R7.1 but want the new V7R1 IBM i Access Family clients can order no-charge Feature No. 6221 of Product No. 5761-XW1	V5R4 i5/OS® customers not wanting to upgrade their operating system to R6.1 but want the new V6R1 System i Access Family clients can order no-charge Feature No. 2649 of Product No. 5722-XW1

- NOTE: Access for Web is available on V5R1 and later. This chart summarizes the releases that can currently be ordered.



Products - Focus

Description	Product	Product Number	Need 57xx-XW1* to use?
Family Name	> IBM i Access Family	57xx-XW1	
Windows client	> IBM i Access for Windows	57xx-XE1	Yes (for 5250 and Data Transfer)
Linux client	> IBM i Access for Linux	57xx-XL1	Yes (for 5250)
Browser Access	> IBM i Access for Web	57xx-XH2	Yes
IBM i systems management	> System i Navigator > Operations Console	Packaged in 57xx-XE1	No

* 57xx = 5770 or 5761 or 5722

Flexible Purchase Options:

- Processor-Based = purchase price based on software tier, connect unlimited numbers of users
- User-Based = purchase only number of users who will be concurrently connected

Functions you can perform with IBM i Access for Web

Print

- Printer output
- PDF Printer output
- Printers
- PDF Printers
- Internet Printers
- Internet Printer Shares
- Printer shares
- Output Queues
- ** AFP to PDF Conversion

5250

- Active Sessions
- Start 5250 Session
- Configured Sessions
- Bypass Sign-on

Files

- Browse Files
- File Shares
- Browse File Share

Scheduling of tasks

Messages

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

Database

- Tables
- My Request
- Run SQL
 - Open Office Formats
 - Wizards supports joins across multiple tables
 - Chart SQL results
- Copy Data to Table
- Import Requests
 - System i Access for Windows
 - Query Manager
 - Query/400
- Extract Server Data

Commands

- Run commands
- My commands
- Search

My Personal Folder

Jobs

- User Jobs
- Server Jobs

Customize

- Preferences
- Policies
- Settings
- Transfer configuration data

Download

Other

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

Single sign-on

- EIM (WAS authentication)
- Windows domain login (WAS SPNEGO authentication)

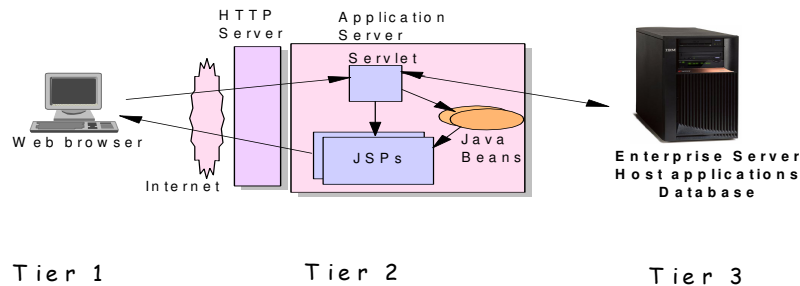
Items marked with "****" are new in the V7R1 version

Getting Started



Getting Started

Before you start with Access for Web you must get your web application server running



Supported Web Application Servers

- The IBM i Access for Web servlet code can be used with any of the following web application servers:
 - IBM i Integrated Web Application Server
 - WebSphere® Application Server V7.0, and V6.1 – Express for i
 - WebSphere Application Server V7.0, and V6.1 – Base and Network Deployment
- The IBM i Access for Web portlet code can be used with any of the following portal servers.
 - Websphere Portal V6.1
 - Only supported with Access for Web V6R1
 - Websphere Portal V6.0
 - Websphere Portal V5.1
- Only supported with Access for Web V6R1
 - WebSphere Application Server V6.0 Express for i
 - WebSphere Application Server V6.0 Base and Network Deployment

PTFs required for latest web application server and portal support:
<http://www.ibm.com/systems/i/software/access/web/servicepacks.html>

Integrated Web application server

What is it? Does Access for Web support it?

- **What is the IBM i Integrated Web Application server?**
 - A web application engine much like ASF Tomcat
 - Uses fewer system resources, similar to ASF Tomcat
 - Minimal effort by an Administrator to maintain
 - ASF Tomcat no longer included with IBM i
- **How is it packaged?**
 - 5770-DG1 and 5761-DG1 IBM HTTP Server for i
 - Integrated Web application server 7.1 is available in the V6R1 DG1 group PTF
 - V6R1 SF99115 level 1 or later
- **IBM i Access for Web support**
 - V5R4 and later System i Access for Web support the IBM i Integrated Web Application server
 - V7R1 IBM i Access for Web can be installed and is supported on IBM i R7.1 and R6.1
 - V6R1 System i Access for Web can be installed and is supported on R6.1 and V5R4 IBM i

IBM i Integrated Web Application server

User created instance (requires use of V7R1 or V6R1 Access for Web)

1. Load/apply latest HTTP Server PTFs (review cover letters for any additional information)
 - V6R1 SF99115 group for product 5761-DG1
2. Load/apply latest V6R1 Access for Web PTF
 - V7R1 SI38412 GA PTF
 - V6R1 SI29664 or later (SI33318 current)
3. Start the Web Administration for i
 - STRTCPSVR SERVER(*HTTP) HTTPSVR(*ADMIN)
4. Use the Web Administration for i wizard to create an instance of the integrated Web application server and an HTTP web server.
 - `http://<system_name>:2001/HTTPAdmin`
 - Follow the instructions in the doc on this page:
<http://www.ibm.com/systems/i/software/access/web/servicepacks.html>
 (Link: "Configuring an Integrated Web Application Server Instance")
4. Configure Access for Web
 - QSH
 - `cd /QIBM/ProdData/Access/Web2/install`
 - `cfgaccweb2 -appsrvtype *INTAPPSVR -instance <instance_name>`
 - or
 - `QIWA2/CFGACCWEB2 APPSVRTYPE(*INTAPPSVR) INSTANCE(<instance_name>)`
6. Start integrated Web application server and HTTP web server using the Web Administration for i interface.
 - `http://<system_name>:2001/HTTPAdmin`
7. Open a browser to System i Access for Web using previously configured HTTP:port
 - `http://<system_name>:<port>/webaccess/IWAMain`

IBM i Integrated Web application server

Administrative instance and preconfigured HTTP server (use V5R4 or later Access for Web)

1. Stop the Web Administration for i5/OS
 - ENDTCPVSR SERVER(*HTTP) HTTPSVR(ADMIN)
2. Load/apply latest PTFs (review cover letters for any additional information)
 - V6R1 SF99115 group for product 5761-DG1
 - V5R4 SF99114 group for product 5722-DG1
3. Load/apply latest Access for Web PTF
 - V6R1 SI38412 GA PTF
 - V6R1 SI29664 or later (SI33318 current)
 - V5R4 SI29607 or later (SI33310 current)
4. Configure Access for Web
 - QSH
 - cd /QIBM/ProdData/Access/Web2/install
 - cfgaccweb2 --appsvrtype *INTAPPSVR

or

 - QIWA2/CFGACCWEB2 APPSVRTYPE(*INTAPPSVR)
5. Start the Web Administration for i5/OS
 - STRTCPSVR SERVER(*HTTP) HTTPSVR(*ADMIN)
6. Start preconfigured HTTP web server
 - STRTCPSVR SERVER(*HTTP) HTTPSVR(IWADFT)
7. Open a browser to Access for Web using preconfigured HTTP:port
 - <http://<system name>:2020/webaccess/IWAMain>

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

IBM i

Advantages

Hardware resources

Virtualization

Software

Support and services

Resources

News

Related links

- IBM Power Systems
- Redbooks
- PartnerWorld

IBM Power Systems software > IBM i > Software >

WebSphere Application Server for System i

Overview | Support | Resources

WebSphere for System i | What's New | Announcements | About

WebSphere | Product information | Ordering

Features

WebSphere Application Server Version 7.0 is the latest release and is supported on IBM i. To find out more about the new version or any other of the supported versions – please click on the links below:

Version 7.0

- IBM WebSphere Application Server V7.0 for IBM i
- IBM WebSphere Application Server for Developers V7.0 for IBM i
- IBM WebSphere Application Server Network Deployment V7.0 for IBM i
- IBM WebSphere Application Server – Express V7.0 for IBM i

Version 6.1

- IBM WebSphere Application Server V6.1 for System i
- IBM WebSphere Application Server for Developers V6.1 for System i
- IBM WebSphere Application Server Network Deployment V6.1 for System i
- IBM WebSphere Application Server – Express V6.1 for System i

Version 6.0

- IBM WebSphere Application Server V6.0 for System i
- IBM WebSphere Application Server for Developers V6.0 for System i
- IBM WebSphere Application Server Network Deployment V6.0 for System i
- IBM WebSphere Application Server – Express V6.0 for System i

Version 5.1

- IBM WebSphere Application Server V5.1 for System i
- IBM WebSphere Application Server for Developers V5.1 for System i

Need directions?

i5/OS Developer Road Atlas

→ IBM System i Developer Road Atlas

An Independent Analysis of the iSeries Developer Roadmap - Updated for 2006 (1.4MB)

Get Adobe® Reader®

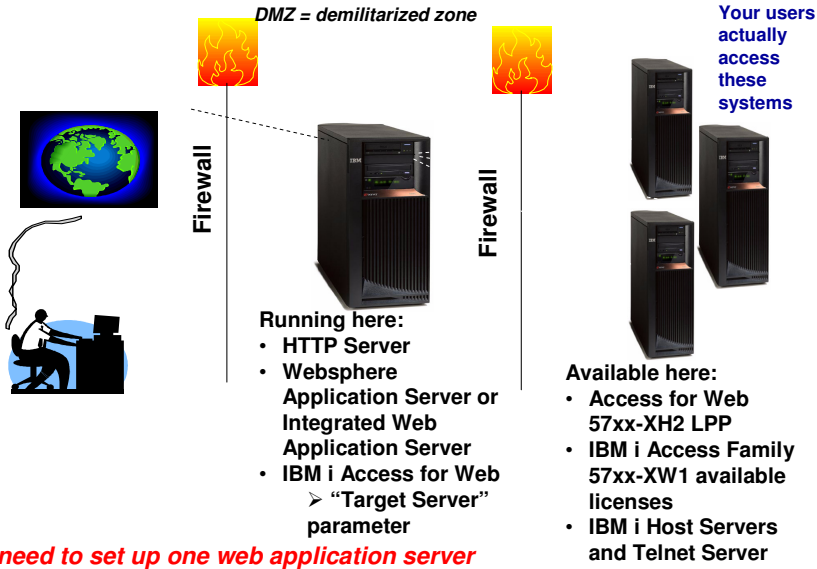
Buying or selling?

→ IBM Express Software Buying and Selling Guide

Quick Links

- IBM WebSphere Application Server
- WebSphere Application Server - Express
- IBM eServer Solutions Enablement - WebSphere
- WebSphere for System i education

Setting up your web application server



Port Requirements Comparison

IBM i Access for Windows (57xx-XE1)

- Port 449 for Port Mapper
- Port 8476 (9476) for Sign-on
- Port 8470 (9470) for Central
- Port 8472 (9472) for Data Queues
- Port 8471 (9471) for Database
- Port 8475 (9475) for Remote Commands
- Port 8473 (9493) for Print
- Port 446 (448) for DDM
- Port 23 (992) for Telnet
- Port 137, 138 for NetServer

IBM i Access for Web (57xx-XH2)

- Port 80 (or any other port) for HTTP Server
- Port 443 (or any other port) for HTTPS Server

Get IBM i Access for Web running

- **Get a copy of the IBM i Access for Web Install & Users Guide**
 - <http://www.ibm.com/systems/i/software/access/web/doc.html>
- **Install IBM i Access for Web from your IBM i stacked media.**
 - **Install Access for Web, 57xx-XH2**
- **Configure and start IBM i Access for Web.**
 - **CFGACCWEB2 - Configure the IBM i Access for Web to the application server**

IBM i Access for Web Documentation on the Web...

V6R1

V6R1 System i Access for Web is supported on V6R1 and V5R4 i5/OS.



Connecting to System i: System i Access for Web (Information Center)	HTML
System i Access for Web Single Sign-on Using WebSphere SPNEGO Support	PDF
Automating Tasks - HTTPS/SSL	PDF
Configuring an Integrated Web Application Server Instance	PDF

⬆ [Back to top](#)

V5R4

V5R4 iSeries Access for Web is supported on V5R4 and V5R3 i5/OS.



Connecting to iSeries: iSeries Access for Web (Information Center)	HTML
URL Interfaces to V5R4 iSeries Access for Web	PDF

⬆ [Back to top](#)

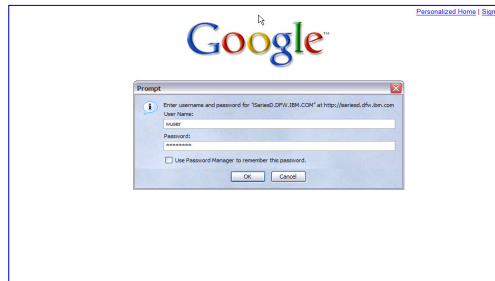
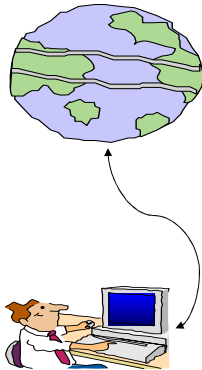
V5R3

V5R3 iSeries Access for Web is supported on V5R3 i5/OS and V5R2 i5/OS.

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

Users can now Connect!

- **Open browser**
- **Key in IBM i Access for Web URL**
- **Prompted for IBM i user id and password**



Different Ways to Roll Out IBM i Access for Web

- **Use 'out of the box'**
 - Set some policies to limit what functions are accessible to your users, and give them the URL address to IBM i Access for Web
- **Use 'out of the box', but set up predefined functions**
 - You can set up preconfigured 5250 sessions that users (or groups of users) can run, can create predefined database requests for users to run, set up commands users can run, etc.
- **Create your own 'window' to your system through Access for Web**
 - Add company banners to screens, set up 'click and link' tasks that users can perform, set up macros to simplify user access.

Major Functions - 5250



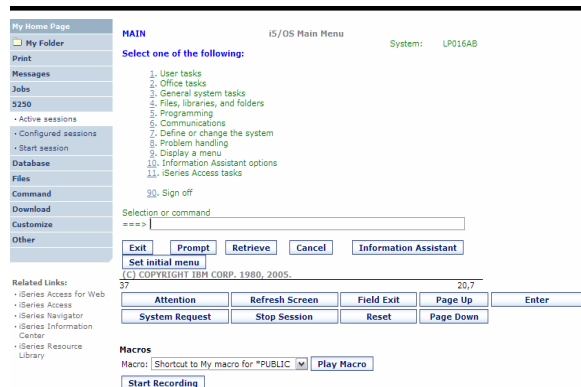
IBM i Access for Web 5250 Interface

Runs as an interactive job

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

Telnet 5250 port

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



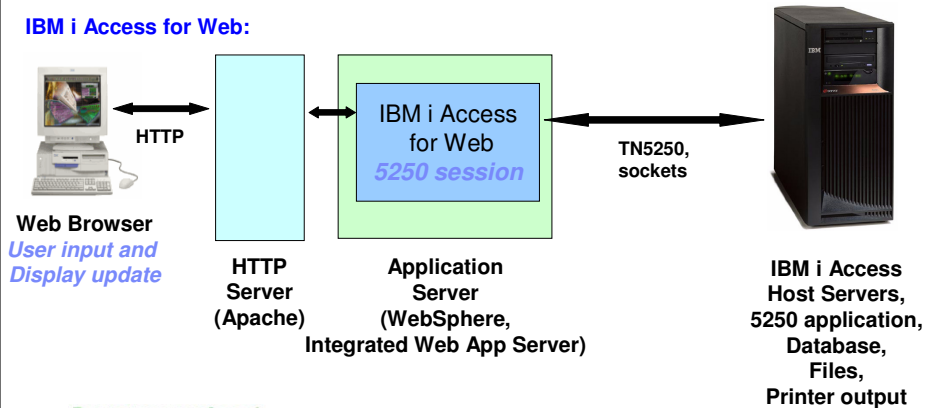
5250 Environment: Windows PC5250 v. Web 5250

IBM i Access for Windows:



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

IBM i Access for Web:



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 (ie, Field Exit)
- Does not include Printer Emulation (push to printer)
 - IBM i strategy is Internet Printing Protocol (IPP) printing
 - IBM 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



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'

2. Select 'Configured Sessions'

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

Session	Server	Action	Shortcut	Created By	Access
Inventory	.RCHLAND.IBM.COM	[Icons]	No	cmner	cmner
Payroll	.RCHLAND.IBM.COM	[Icons]	No	cmner	cmner
5250	Shortcut to demo	[Icons]	Yes	smshao	*PUBLIC

Configure new session
Configure a new session.

Use “Start Session” Dynamically

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

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

Session	Server	Action	Shortcut	Created By	Access
system A	LP016AB.RCHLAND.IBM.COM	[Start] [Delete] [Refresh]	No	smshao	smshao
system B	LP016AB.RCHLAND.IBM.COM	[Start] [Delete] [Refresh]	No	smshao	smshao



Configuration options for 5250 sessions

Configure a New Session

Select the "Configure new session" link

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

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

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

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

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

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

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

Setting up a 5250 Session

Select Session Name

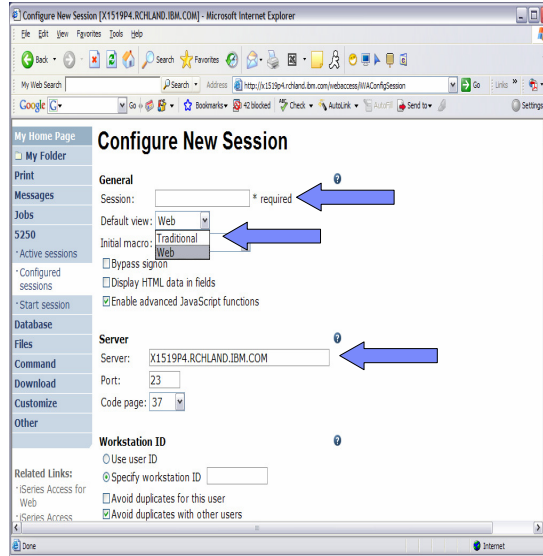
- Name of this 'Configured' session

Determine screen look

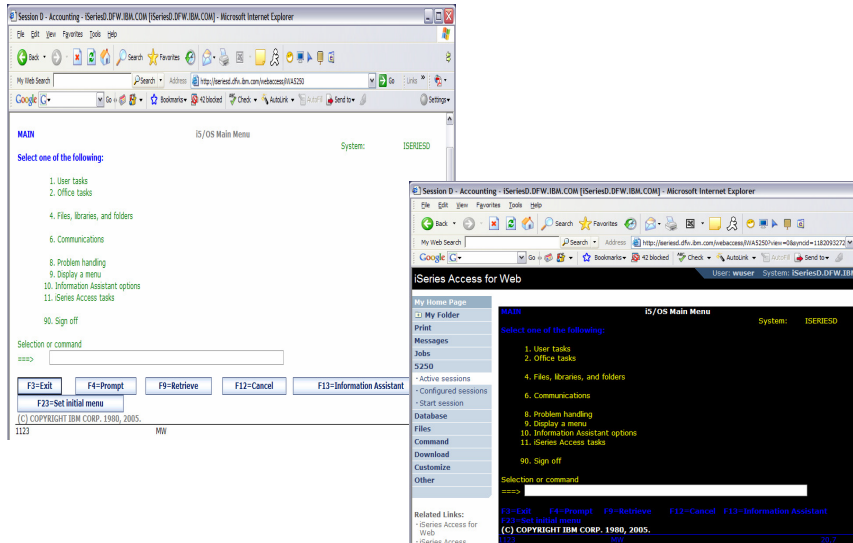
- Web View is default
- Traditional View can be selected

Select IBM i to connect to

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



Web View Vs Traditional View





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.



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.



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...

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

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

Operator information area (OIA)		Operator information area (OIA)	
Color:	Black	Color:	Blue

Background colors		Background colors	
The browser background color is used.		Color: Black	

Save Cancel Save As Defaults Load Defaults

Bypass Signon

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

My Home Page

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

Related Links:

- Series Access for Web
- Series Access
- Series Navigator
- Series Information

Configure New Session

General

Session: * required

Default view: **Web** ←

Initial macro:

Bypass signon

Display HTML data in fields

Enable advanced JavaScript functions

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

Bypass Signon

- 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:

- IBM i Access for Web must be configured for application authentication or application server authentication with Kerberos for bypass signon to be available
 - CFGACCCWEB2 AUTHTYPE(*APP)...
 - Uses the credential the user used to log in to System i Access for Web
 - CFGACCCWEB2 AUTHTYPE(*APPSVR) AUTHMETHOD(*KERBEROS)

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	IBM 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 IBM i. 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.

Fonts

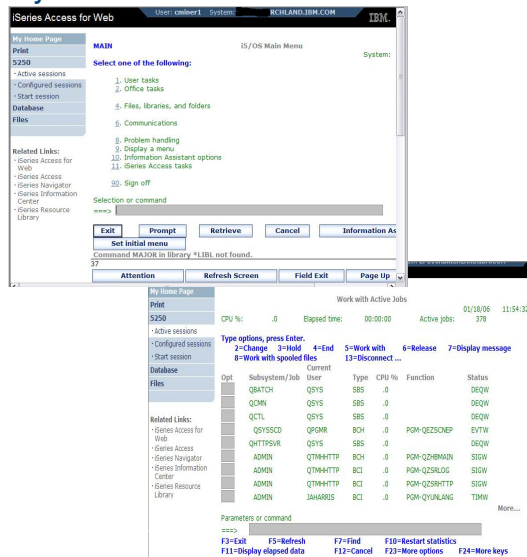
IBM i Access for Web 5250 is rendered with HTML

- 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:

Blue:

Green:

Cyan:

Red:

Magenta:

Brown:

White:

Operator information area (OIA)
Color:

Background colors
The browser background color is used.

Color:

Foreground colors
5250 **Browser**

Black:

Blue:

Green:

Cyan:

Red:

Magenta:

Brown:

White:

Operator information area (OIA)
Color:

Background colors
Color:

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

Configured Session Actions

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 an IBM 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

Configured Sessions

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

Annotations:

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

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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

Configured Sessions

Session	Server	Action	Shortcut	Created By	Access
Inventory	RCHLAND.IBM.COM	[Icons]	No	cmner	cmner
Payroll	RCHLAND.IBM.COM	[Icons]	No	cmner	cmner
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

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

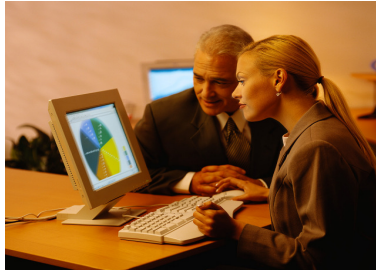
- List of shortcuts you created
- Delete shortcuts you created

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
 - IBM 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

The screenshot shows the IBM iSeries Sign On interface. On the left is a navigation menu with options like 'My Home Page', 'My Folder', 'Print', 'Messages', 'Jobs', '5250', 'Active sessions', 'Configured sessions', 'Start session', 'Database', 'Files', 'Command', 'Download', 'Customize', and 'Other'. The main area contains a 'Sign On' form with fields for 'User', 'Password', 'Program/procedure', 'Menu', and 'Current library'. To the right, system information is displayed: 'System LP016AB', 'Subsystem QINTER', and 'Display QPADEV000G'. Below the form, release and driver information are shown: '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 is a row of buttons: 'Attention', 'Refresh Screen', 'Field Exit', 'Page Up', 'Enter', 'System Request', 'Stop Session', 'Reset', and 'Page Down'. A 'Macros' section at the bottom shows a dropdown menu set to 'Shortcut to My macro for *PUBLIC' and a 'Play Macro' button. A blue arrow points to the 'Start Recording' button.

Stop Recording

This screenshot is identical to the one above, showing the IBM iSeries Sign On interface. The 'Macros' section at the bottom now shows a 'Stop Recording' button and a 'Pause Recording' button. A blue arrow points to the 'Stop Recording' button.

Naming the Macro

My Home Page

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

Save Macro

Macro:

Replace if already exists

Playing Macro

My Home Page

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

Sign On

System LP016AB
 Subsystem QINTER
 Display QPADEV000G

User
 Password
 Program/procedure
 Menu
 Current library

RELEASE: V05R04M00
 DRIVER: 4501130

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

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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.

[S250 user interface help](#)

View help for using the S250 user interface.

My Macro List → Edit Macro

My Home Page

- My Folder
- Print
- Messages
- Jobs
- S250
 - 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.

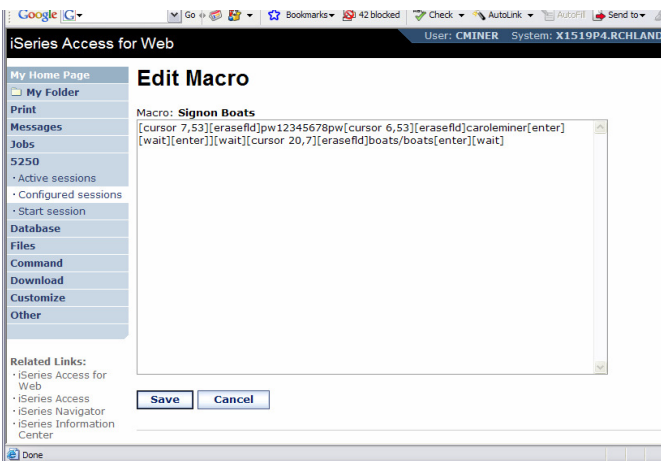
Single Sign On with Macro

- 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 IBM i sign-on screen and to put the user directly into an RPG application called BOATS.

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



Edit Macro

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

Edit Macro

Macro: **macro example**

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

Related Links:
• iSeries Access for Web

Supported Commands for Macros

The supported cursor positioning commands are:

General macro commands

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

General macro commands...

[pf1] - F1
[pf2] - F2
[pf3] - F3
[pf4] - F4
[pf5] - F5
[pf6] - F6
[pf7] - F7
[pf8] - F8
[pf9] - F9
[pf10] - F10
[pf11] - F11
[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

Add a macro to a New Session

Configure New Session

General

Session: Sales Info * required

Default view: Web

Initial macro: **Series Access Tasks**

Bypass signon

Display HTML data in fields

Enable advanced JavaScript functions

Server

Server: X15.ibm.com

Port: 23

Code page: 37

Workstation ID

Use user ID

Specify workstation ID

Avoid duplicates for this user

Avoid duplicates with other users

Configure New Session

General

Session: single signon example * required

Default view: Web

Initial macro: Shortcut to macro example for smshao

Bypass signon

Display HTML data in fields

Enable advanced JavaScript functions

Server

Server: mysystem

Port: 23

Code page: 37

Sharing a Macro

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.

Managing Macro Shortcuts

Shows all macros I have created, plus shortcuts

My Home Page

My Folder

Print

Messages

Jobs

5250

- Active sessions
- Configured sessions
- Start session

Database

Files

Command

Download

Customize

Other

My Macros

◀◀◀ [1] ▶▶▶ 🔍

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

◀◀◀ [1] ▶▶▶ 🔍

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

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

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

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

Macro Shortcut List

Shows just shortcuts I have created

My Home Page

My Folder

Print

Messages

Jobs

5250

- Active sessions
- Configured sessions
- Start session

Database

Files

Command

Download

Customize

Other

Shortcuts to Macros You Recorded

◀◀◀ [1] ▶▶▶ 🔍

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

◀◀◀ [1] ▶▶▶ 🔍

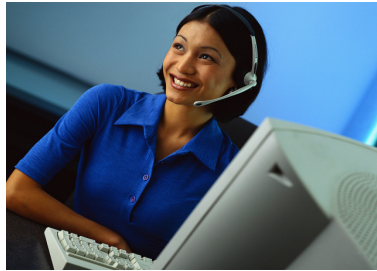
[My macros](#)
Work with your macros.

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

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

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

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



Active Sessions



Active Session

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

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	Reconnect
X15	A - Inventory	3/27/07 1:59:30 PM CDT	3/27/07 2:00:24 PM CDT	Web	Reconnect

Active Session Life Span

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

Active Sessions					
Server	Session	Started	Last Accessed	View	Action
LP01448.SCHNAND.IBM.COM	A	3/7/06 3:55:13 PM CST	3/8/06 12:44:29 AM CST	Web	 

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

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

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

[Start session](#)
 Work with your configured sessions.

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

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

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

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

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

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

[3270 user interface help](#)
 View help for working with active sessions.

Related Links:
[Sales 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 QPADEV00G

User
Password
Program/procedure
Menu
Current library

RELEASE: V05R04M00
DRIVER: 4501130

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

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

End this active session

Ending a Session from Active Session List

Active Sessions

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

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.

S250 user interface help
View help for working with active sessions.

End session

Major Functions - Database



IBM i Access for Web – Database Functions

Access database tables on your iSeries server with iSeries Access for Web.

Tables

- View a list of database tables on your iSeries server.
- Perform actions on these tables without having knowledge of SQL and its syntax.
- View the contents of a table in a paged list, using the Quick view action.
- Add and update records in a table using the Insert and Update actions.
- Create your own customized SQL request for a table using the Run SQL action.
- Create your own customized copy data request for a table using the Copy data to table action.

My requests

- View a list of previously saved requests.
- Run or Edit requests from this list.
- Manage lists using the Copy, Delete, and Rename actions
- Create and manage shortcuts to requests

Run SQL

- Run SQL statements dynamically.
- View output as a paged list or in a popular file format, like Microsoft Excel or Lotus 1-2-3. (Output format depends on how you have your browser configured and whether the browser can locate a plug-in for the output type you choose.)
- Customize how data is returned by setting options specific to the output type.
- Build SELECT statements using an SQL Wizard.
- Save requests for repeated use.

Copy data to table

- Copy existing data files from your PC to a database table on your iSeries server.
- These data files can be in many popular file formats, including Microsoft Excel and Lotus 1-2-3.
- Replace the contents of a table or add data to an existing table.
- Create a new database table based on the contents of a workstation file.
- Save requests for repeated use.

Import request

- Import Client Access Data Transfer upload and download requests into iSeries Access for Web copy data and SQL requests.
- Imported requests are automatically converted to iSeries Access for Web format.
- Run and edit converted requests on your iSeries server just like other copy data and SQL requests.

Import query

- Import queries generated by Query for iSeries and DB2 UDB for iSeries Query Manager.
- Imported queries can be saved into iSeries Access for Web database requests.
- Run and edit converted queries on your iSeries server just like iSeries Access for Web SQL requests.

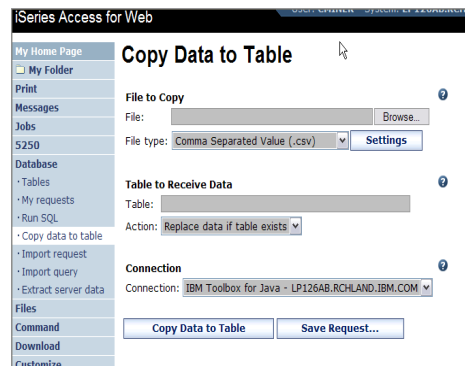
Extract server data

- Extract server object information into a database table.

Upload PC Data to the IBM i



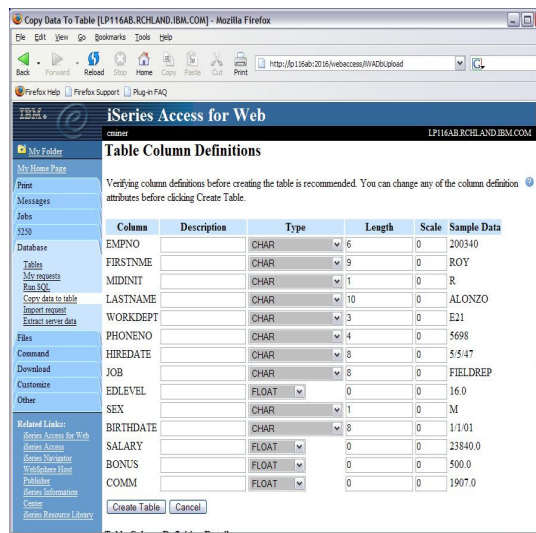
- Upload data from a variety of file types
 - Excel, XML, Lotus, etc
 - OpenOffice
- Put into IBM i database
 - 'Replace' contents of table
 - 'Append' to existing data
- If no table exists on the IBM i, you will get a wizard to help you create a new table



Create IBM i Table



Wizard to help you create an IBM i table from your PC spreadsheet



Database Tables

You can:

- Insert
- Update
- Quick View
- Find
- Run SQL
- Copy Data to Table

Table	Description	Action
BOATS.BOATS	Available BOATS	[Icons]
BOATS.BOATS1	Available boats by length	[Icons]
BOATS.PCFILES	PC files needed by BOATS WSG Demo	[Icons]
BOATS.QCLSRC		[Icons]
BOATS.QCMDSRC		[Icons]
BOATS.QDSSSRC		[Icons]
BOATS.QRNCVTLG		[Icons]
BOATS.QRPGLESRC		[Icons]
BOATS.QRPGSRC		[Icons]
QGPL.#	\$	[Icons]
QGPL.BITYPES		[Icons]
QGPL.CHADDEC		[Icons]
QGPL.CONCURTYPE		[Icons]
QGPL.CPY_INFO		[Icons]
QGPL.DAVE		[Icons]
QGPL.DECSEP		[Icons]
QGPL.DIVZERO		[Icons]
QGPL.DIVZERO2		[Icons]
QGPL.DSD		[Icons]
QGPL.DSPSFWRSC	Output file for DSPSFWRSC	[Icons]

Download Database Information from IBM i

Run SQL allows you to run SQL statements

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



SQL Wizard if you don't know SQL

Variety of output types

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

Destination

- Browser
- Mail as attachment
- Personal Folder
- IFS

Can save request

- My Requests, Give Shortcut to others

Run SQL

SQL Statement

```
SELECT * FROM BOATS.BOATS WHERE ("BCOST" > 10000)
```

SQL Output

Type: Microsoft Excel XML (.xml) Settings

Destination: Mail as attachment Settings

Format

Date: 12/23/05

Time: 10:16:44 AM

Connection: IBM Toolbox for Java - LP126AB.RCHLAND.IBM.COM

Run SQL Save Request...

Create Database Requests with SQL Wizard

SQL Wizard enables you to:

- Select **tables**
- Select which **columns** to return
- Add **conditions** to your select statement
- Select the columns by which you want the data **sorted**



Chart SQL Results: Background

- IBM i Access for Web provides support to run SQL statements and store the results in a selected file format
- Historical supported file formats include:
 - HTML
 - Microsoft Excel
 - PDF
 - OpenDocument



1	2	3	4	5	6	7	8	9	10	11	12	13
INDENT	STNAME	ST	STREET	CITY	STATE	ZIP	CDTL	CDTL1	CDTL2	CDTL3	CDTL4	CDTL5
1	938472	Marion	OK	4859 Elm	Dallas	TX	75217	5000	3	37	0	
2	870183	James	RI	2185 Mt W	Chap	NY	17041	4000	1	100	0	
3	352859	Vina	IS	PO Box 71	Bristol	VT	5044	700	1	439	0	
4	836445	Johnson	IA	3 Alpine	Wheat	GA	30145	9999	2	2887.5	33.5	
5	397287	Tyran	IV	13 Myrtle	Hector	NY	14841	1000	1	0	0	
6	285732	Stevens	IL	208 Stone	Dwight	CO	80526	5000	1	58.75	1.5	
7	846283	Alison	IL	787 Lakia	Clare	MI	55242	5000	3	10	0	
8	478308	Don	VI	59 Anchor	Stuart	CA	95950	700	2	200	100	
9	693826	Thomas	IA	3 Olive	Chap	WY	82059	9999	2	0	0	
10	553026	William	ED	1482 St J	Dallas	TX	75218	300	1	20	0	
11	158377	Law	F	3963 Oak	Hector	NY	14841	700	2	489.5	0.5	
12	553595	Abraham	MT	292 5th	Stevie	MI	55242	9999	3	0	0	

1	2	3	4	5	6	7	8	9	10	11	12	13
INDENT	STNAME	ST	STREET	CITY	STATE	ZIP	CDTL	CDTL1	CDTL2	CDTL3	CDTL4	CDTL5
1	938472	Marion	OK	4859 Elm	Dallas	TX	75217	5000	3	37	0	
2	870183	James	RI	2185 Mt W	Chap	NY	17041	4000	1	100	0	
3	352859	Vina	IS	PO Box 71	Bristol	VT	5044	700	1	439	0	
4	836445	Johnson	IA	3 Alpine	Wheat	GA	30145	9999	2	2887.5	33.5	
5	397287	Tyran	IV	13 Myrtle	Hector	NY	14841	1000	1	0	0	
6	285732	Stevens	IL	208 Stone	Dwight	CO	80526	5000	1	58.75	1.5	
7	846283	Alison	IL	787 Lakia	Clare	MI	55242	5000	3	10	0	
8	478308	Don	VI	59 Anchor	Stuart	CA	95950	700	2	200	100	
9	693826	Thomas	IA	3 Olive	Chap	WY	82059	9999	2	0	0	
10	553026	William	ED	1482 St J	Dallas	TX	75218	300	1	20	0	
11	158377	Law	F	3963 Oak	Hector	NY	14841	700	2	489.5	0.5	
12	553595	Abraham	MT	292 5th	Stevie	MI	55242	9999	3	0	0	



Chart SQL results: SVG File Format

- Support for new output file type in V6R1
 - Scalable Vector Graphics Chart (*.svg)
 - Language for describing 2D graphics in XML
 - W3C standard
 - Users can store SQL results in a chart

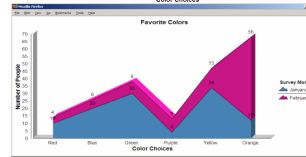
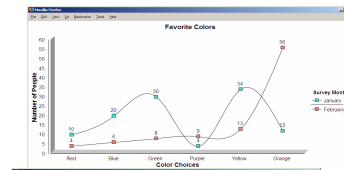
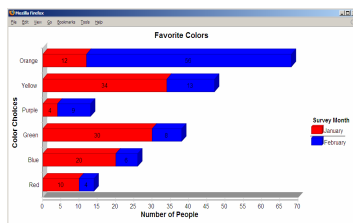
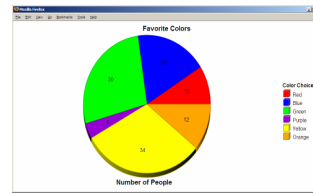
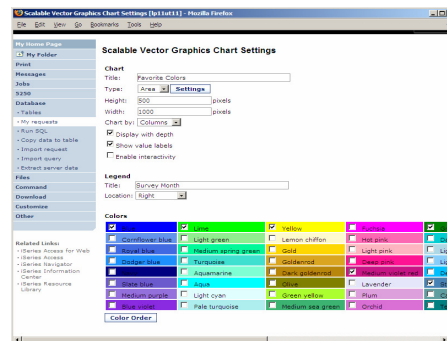


Chart SQL Results: SVG Configuration

- Many configuration options
 - Chart type
 - Area, Bar, Pie, Line
 - Colors
 - Legend location
 - Grid shown
 - Chart type options
 - Bar – vertical or horizontal
 - Pie – exploded or complete
 - Line – marker shape
 - Other....
- Same destination options:
 - Browser, mail, IFS, personal folder



Database - Run Requests



Administrator could:

- Give users or groups of users some database requests that were created for them.
- Users can run only these specific requests
- No other database options offered

Request	Description	Action	Shortcut	Created By	Access
Shortcut to Boats For Sale	View all available boats		Yes	CMINER	groupa
Shortcut to Find Boat To Buy	Select type and price limits		Yes	CMINER	*PUBLIC
Shortcut to My Customers Mailing	Mail Customer List		Yes	CMINER	groupa
Shortcut to My Customers Mailing	Mail Customer List		Yes	cmminer	cmminer1
Shortcut to Put My Customer List in Folder	Store Customer List		Yes	CMINER	groupa
Shortcut to request sql			Yes	secycesi	*PUBLIC
Shortcut to request upload			Yes	secycesi	*PUBLIC

Major Functions - Print



Work with Printer Output, Printers, Queues

Typical end user printer tasks

- Printer Output
- PDF Printer Output

Tasks more oriented toward system operators, programmers, etc

- Printers
- PDF Printers
- Internet Printers
- Internet Printer Shares
- Printer Shares
- Output Queues



Work with Printer Output

<http://<myseries>/webaccess/iWASpool>

My 'printer output'

Actions include:

- Work with
- View
- View As
- View PDF

Easy-to-use GUI for working with my printer output

- Don't need to sign onto a 5250 session, and run commands to get to spool file

File Name	User	Creation Date/Time	Pages Per Copy	Copies	Status	Action	User	Job Name	Job Number	File Num
QSYSVRT	12/15/05	4:31 PM	1	1	Ready		CMNER	CMNER0	502274	
QSYSVRT	12/15/05	4:31 PM	1	1	Ready		CMNER	CMNER0	502274	
QSYSVRT	12/15/05	4:32 PM	1	1	Ready		CMNER	CMNER0	502274	
QSYSVRT	12/15/05	4:39 PM	1	1	Ready		CMNER	CMNER0	502274	
QSYSVRT	12/15/05	4:41 PM	1	1	Ready		CMNER	QIWARDPSTR	502281	
QPRINT	12/15/05	4:48 PM	1	1	Ready		CMNER	QIWARDPSTR	502285	
QPRINT	12/15/05	4:50 PM	1	1	Ready		CMNER	QIWARDPSTR	502287	
QPRINT	12/15/05	4:52 PM	1	1	Ready		CMNER	QIWARDPSTR	502291	
QPRINT	12/15/05	4:57 PM	1	1	Ready		CMNER	QIWARDPSTR	502291	

Note: IBM Infoprint Server (57xx-IP1) is NOT needed to use "View PDF"

Printer Output - Spoolfile

1. Requested 'View PDF'

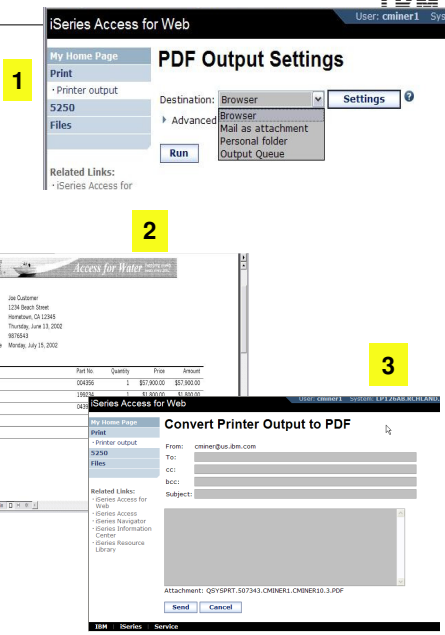
- Can select any option on pulldown for my printer output

2. View in Browser

- Shows overlays, etc
- Can print on any printer in network

3. Send .PDF document in an email

- Mail server does not have to be installed on IBM i



PDF Printer Output

<http://<myiseries>/webaccess/iWAPDFPrinterOutput>

Printer output **automatically** converted to PDF and placed in PDF Printer Output Queue at spool time

Actions include:

- View
- Copy to File
- Copy to Folder; Delete
- Mail

The screenshot shows a table titled 'PDF Printer Output' with columns for File Name, File Number, User, Creation Date/Time, Job Name, Job Number, and Action. The table contains 19 rows of data representing different spool files and their corresponding jobs.

File Name	File Number	User	Creation Date/Time	Job Name	Job Number	Action
QSYSRPT	6	XJANJGO	4/7/05	QPRTJOB	064814	[View] [Copy] [Delete]
QSYSRPT	1	CLARND	4/27/05	QPADVE0018	115207	[View] [Copy] [Delete]
QSYSRPT	2	CLARND	4/27/05	QPADVE0018	115207	[View] [Copy] [Delete]
QSYSRPT	1	CLARND	5/2/05	QPADVE0012	122000	[View] [Copy] [Delete]
QSYSRPT	2	CLARND	5/2/05	QPADVE0012	122000	[View] [Copy] [Delete]
QSYSRPT	3	CLARND	5/2/05	QPADVE0012	122000	[View] [Copy] [Delete]
QSYSRPT	4	CLARND	5/2/05	QPADVE0012	122000	[View] [Copy] [Delete]
QSYSRPT	5	CLARND	5/2/05	QPADVE0012	122000	[View] [Copy] [Delete]
QSYSRPT	6	CLARND	5/2/05	QPADVE0012	122000	[View] [Copy] [Delete]
COVER_PAGE	11	GILBERTM	11/1/05	QPRTJOB	287159	[View] [Copy] [Delete]
BG1_3812	12	GILBERTM	11/1/05	QPRTJOB	287159	[View] [Copy] [Delete]
BG2_3812	13	GILBERTM	11/1/05	QPRTJOB	287159	[View] [Copy] [Delete]
BG3_3812	14	GILBERTM	11/1/05	QPRTJOB	287159	[View] [Copy] [Delete]
BOX_3812	15	GILBERTM	11/1/05	QPRTJOB	287159	[View] [Copy] [Delete]
MXL_3812	16	GILBERTM	11/1/05	QPRTJOB	287159	[View] [Copy] [Delete]
IMS_3812	17	GILBERTM	11/1/05	QPRTJOB	287159	[View] [Copy] [Delete]
HR2_3812	19	GILBERTM	11/1/05	QPRTJOB	287159	[View] [Copy] [Delete]

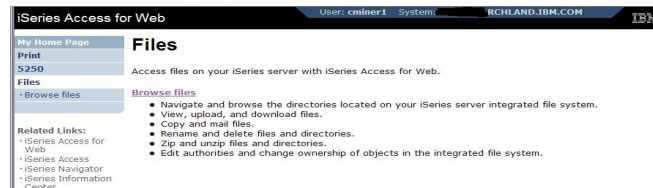
Note: IBM Infoprint Server (57xx-IP1) needed to use "PDF Printer Output" and "PDF Printers"

Major Functions - Files



Work with Files in the IFS

- **Navigate and browse the directories located on your IBM i integrated file system**
 - Don't need to map drives
 - Don't need to know directory structures



- **View, upload, and download files**
- **Copy and mail files**
- **Rename and delete files and directories**
- **Zip and unzip files and directories**
- **Edit authorities and change ownership of objects in the integrated file system**

Portlets



Portal Solutions – the next wave in technology

For most organizations, the decision to invest in an enterprise portal is not a question of “if,” but “when”?

(Craig Roth, VP META Group, 6/3/03)





Portal built on IBM i

The screenshot shows a WebSphere Portal interface with a navigation bar at the top containing 'Welcome', 'My Work', 'My Finances', 'My Newsroom', 'My iSeries', and 'My Favorites'. Below the navigation bar, there are several portlets:

- My Vertical News:** Displays a news article titled '"Iraq al-Qaeda link" - 15 Islamists are arrested in Spain' with a photo of a suspect.
- World News (includes photo):** Lists various international news items such as 'U.S. releases some Saddam-era detainees' and 'Israel's Sharon suffers minor stroke'.
- US News (includes photo):** Lists US news items like 'Unrest in Congress over Bush's wiretaps' and 'Secretary of State defends NSA spying'.
- Market & Economy News:** Lists market-related news items.
- My Stocks:** Shows a table of stock prices for IBM, \$COMPO, \$DJI, and \$SPX as of Monday, December 19, 2005.
- My Weather:** Shows weather forecasts for Raleigh, North Carolina; Stuttgart, Germany; Beijing (Peking), China; and Tokyo, Japan.



IBM i Access for Web Portlets on IBM i Portal

The screenshot shows the 'iSeries Access for Web' portlet interface. The 'My iSeries' menu item in the top navigation bar is circled in red. The main content area is divided into two sections:

- Start Session:** A form with fields for 'Server' (x1519p4.rchland.ibm.com), 'Port' (23), and 'Code page' (37). There are checkboxes for 'Display HTML data in fields' and 'Avoid duplicates for this user'. A 'Start Session' button is at the bottom.
- iSeries Access portlets include the following:**
 - 5250 portlet: Run commands and access full-screen 5250 character-based applications.
 - IFrame portlet: Access any of the iSeries Access for Web servlets using the IFrame portlet.
 - Integrated file system (IFS) browsing portlets: Browse the iSeries integrated file system; View, edit, upload and download files.
 - 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.
 - Commands portlets: Run CL commands.

Portlet Support added to Access for Web

V6R1	V5R4	V5R3 PTF SH1914 (May 2004)	V5R3 (Jan 2004)
<ul style="list-style-type: none"> ▪ New portal application: "Standard portal application" <ul style="list-style-type: none"> - Written to the Java Specification Requests (JSR) 168 Portlet Specification - Strategic System i Access for Web portal offering ▪ Original portlets, "IBM portal application," are still available 	<ul style="list-style-type: none"> ▪ Single Sign-on (SSO) <ul style="list-style-type: none"> - Via WAS Security model - 5250 Bypass signon option ▪ Database <ul style="list-style-type: none"> - OpenOffice spreadsheet format (.ods) - IBM i SQL Requests - Viewer to look at IBM i SQL results ▪ Files <ul style="list-style-type: none"> - Zip function to zip files in IFS ▪ IBM i Credentials <ul style="list-style-type: none"> - Users can change IBM i password via System i Access for Web, and it will additionally update currently defined credentials with the new password value. 	<ul style="list-style-type: none"> ▪ File ▪ Print ▪ Database ▪ Command ▪ Credentials ▪ Related Links 	<ul style="list-style-type: none"> ▪ 5250 ▪ iFrame ▪ Welcome

Summary

- **What is IBM i Access for Web?**
- **Getting started**
- **Major Functions**
 - 5250
 - Database
 - Print
 - File System
- **Portlets**





Try out Access for Web for yourself!

Start your browser and connect to the following web site:
<http://iseriesd.dfw.ibm.com/webaccess/iWAHome> (case sensitive)

<p>User ID = WACUST 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 IBM i, then start an RPG application called BOATS and run it.</p>
<p>User ID = BOATADMIN 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.dfw.ibm.com if either one gets disabled.



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