

Let's Get Mobile – 5250, Database, Print and More on the Go

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- **Overview**

- **Major Functions**
 - 5250
 - Print
 - Database
 - File System



IBM i Mobile Access Overview



- This IBM i Mobile Access Solution is a web browser based solution that has been optimized for reduced screen footprint environments.
- Easy to deploy and get running
- Simple URL to connect to
- Robust IBM i OS system interaction
 - System Management Views
 - Printing, Database, IFS, Commands, Messages
 - 5250 Interface
- Highly Customizable
 - “What the users have access to” can be simply set based on IBM i OS User or Group Profile



- IBM i Mobile Access is being distributed as part of the r7.2 IBM i Access for Web (5770XH2) product
 - Customers at IBM i OS r7.1 or r6.1 can obtain and run r7.2 IBM i Access for Web
 - For r6.1 order refresh feature 6289 of 5761SS1
 - For r7.1 order refresh feature 6289 of 5770SS1
 - Install r7.2 5770XH2 LPP
 - If already running r6.1 or r7.1 of Access for Web, need to re-run the CFGACCWEB command for those instances
 - The IBM i Mobile Access will be updated via PTFs to Access for Web
 - Requires minimum Tech Preview PTF SI52768 for 5770XH2
 - What you see today is in GA Level PTF SI56123 for 5770XH2 released in May 19, 2015

- The IBM i Mobile Access Solution is designed to be integrated into the IBM i OS *ADMIN HTTP Server environment
 - Requires IBM i OS HTTP Server Group PTF to deploy new ADMIN5 job specifically for this solution
 - r7.2 5770DG1 Group SF99713 Level 1
 - r7.1 5770DG1 Group SF99368 Level 27
 - r6.1 5761DG1 Group SF99115 Level 38
 - Started and stopped automatically with the *ADMIN HTTP Server
 - Can be started and stopped individually (r7.1 IBM i OS and later)
 - » STRTCPSVR SERVER(*IAS) INSTANCE(ADMIN5)
 - » ENDTCPVR SERVER(*IAS) INSTANCE(ADMIN5)
 - ADMIN5 runs on port 2011

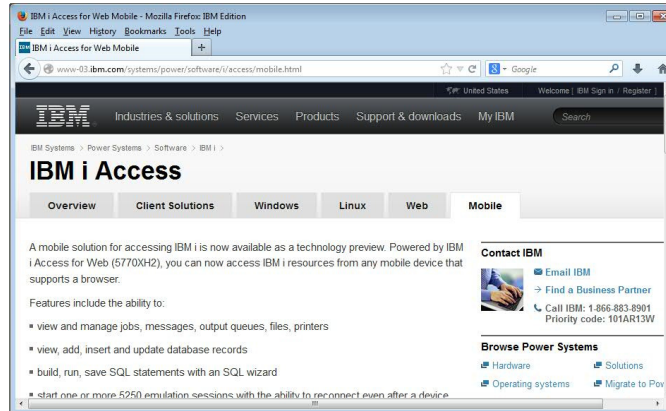
- Deployed with a simple 2 parameter CL or QShell command
 - CL command
 - CFGACCWEB APPSVRTYPE(*INTAPPSVR) INSTANCE(*MOBILE)
 - QShell command in /QIBM/ProdData/Access/Web2/install
 - `cfgaccweb -appsvrtype *INTAPPSVR -instance *MOBILE`
 - It can be deployed on other IBM Integrated Application Server instances or other Web Application Server types like WebSphere Application Server, though additional customization is required

- Connected to via a simple URL from HTTP *ADMIN port 2001
 - <http://system:2001/iamobile>
- ADMIN5 runs on port 2011
 - 2001/iamobile redirects
 - Can also use
 - <http://system:2011/iamobile/iWAHome>

More Information:

<http://www.ibm.com/systems/power/software/i/access/mobile.html>

Latest Information available at this location



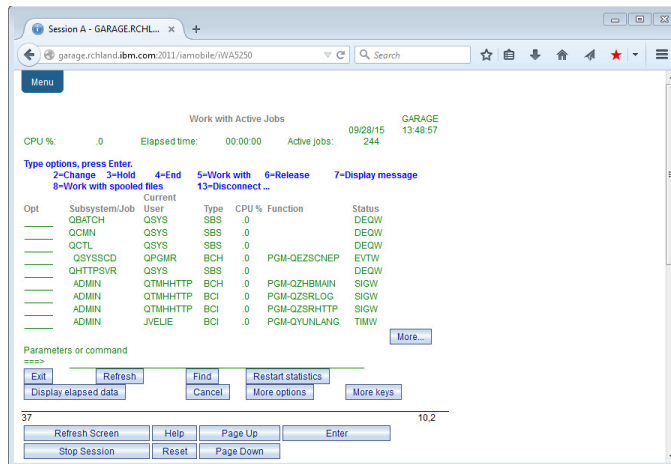
5250



Runs as an interactive job

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

Telnet 5250 port



Windows PC5250 v. 5250

IBM i Access for Windows:

PC5250
User input and
Display update



TCP/IP Network



IBM i Access
Host Servers,
5250
application,
Database,
Files,
Printer output

IBM i Mobile Access:



Web Browser
User input and
Display update

HTTP

HTTP
Server
(Apache)

Application
Server
(WebSphere,
Integrated Web App Server)

IBM i Access
for Web
5250 session

Local Sockets,
or TCP/IP Network



IBM i Access
Host Servers,
5250 application,
Database,
Files,
Printer output

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

- Not intended to replace full function emulators like IBM i Access for Windows PC5250, IBM i Access Client Solutions Host On Demand based emulator, 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 Mobile Access 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



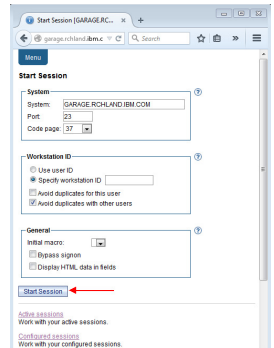
Starting a 5250 session

Two options:

1. Select 'Start Session'

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

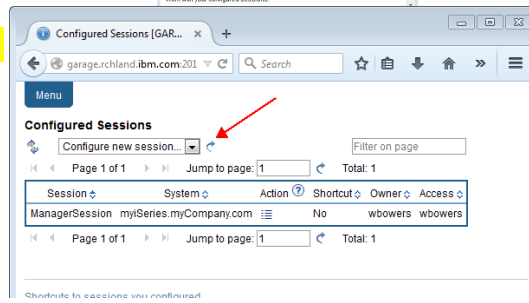
1



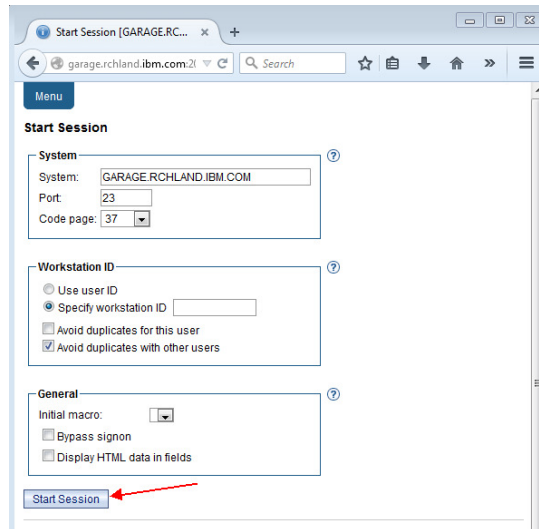
2. Select 'Configured Sessions'

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

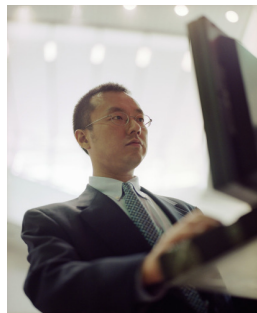
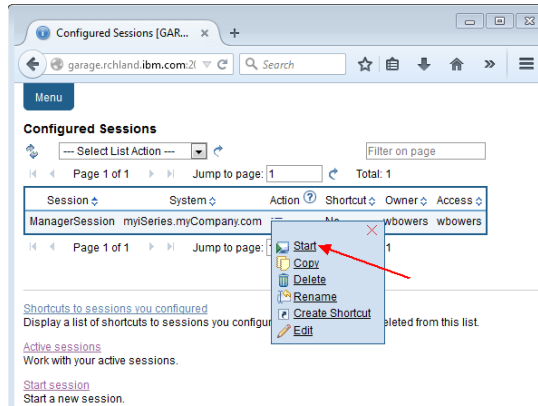
2



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

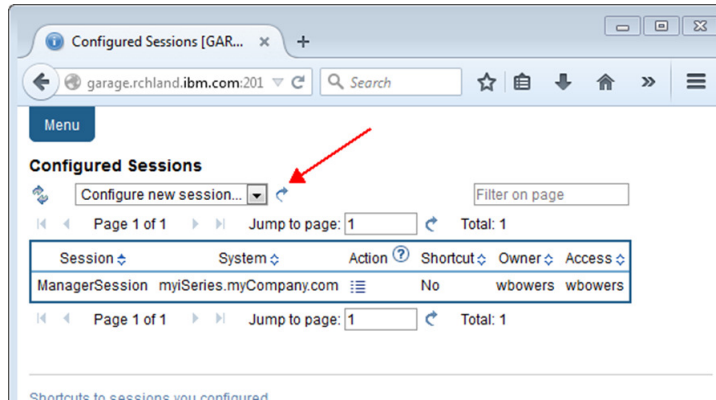


- Configured sessions list shows the list of sessions for the logged in user
- Select the “Start” action for the session to start

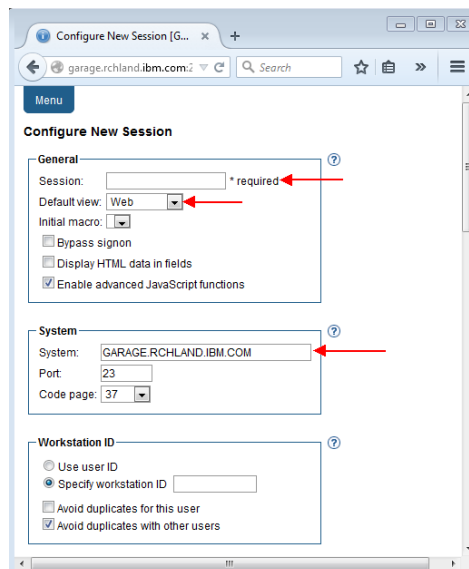


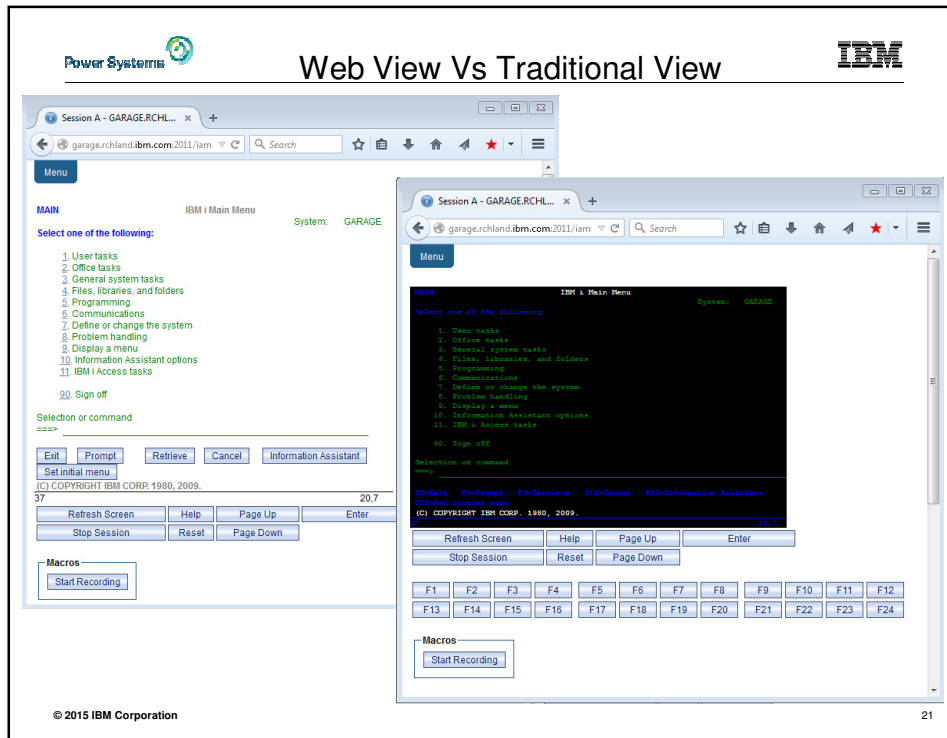
Configuration options for 5250 sessions

Select the "Configure new session" action



- 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

- 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.

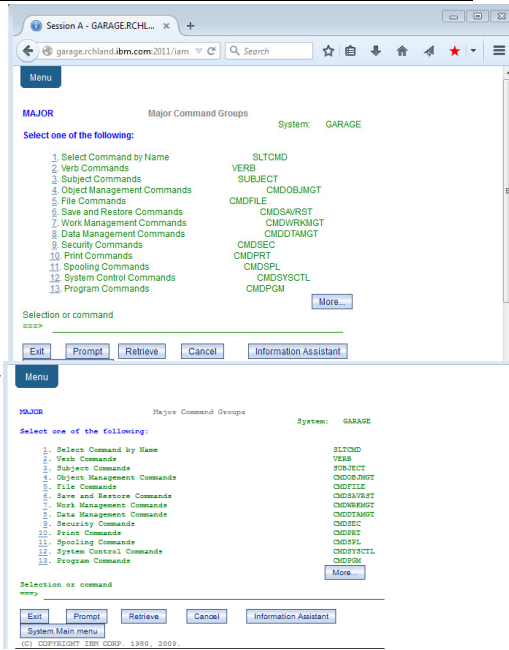
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Default for 'Web View' is to display output using Proportional width fonts

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.



Web View and Traditional View settings

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

View	Web	Traditional
	<input checked="" type="checkbox"/> Show navigation bar	<input checked="" type="checkbox"/> Show navigation bar
	<input checked="" type="checkbox"/> Show action links	<input checked="" type="checkbox"/> Show action links
	<input type="checkbox"/> Show hotspot links	<input type="checkbox"/> Show hotspot links
	<input checked="" type="checkbox"/> Show JavaScript indicator	<input checked="" type="checkbox"/> Show JavaScript indicator
	<input type="checkbox"/> Display text using fixed width font	<input checked="" type="checkbox"/> Display text using fixed width font
	<input checked="" type="checkbox"/> Enable "More..." as button	<input type="checkbox"/> Enable "More..." as button
	<input checked="" type="checkbox"/> Enable menu items as links	<input type="checkbox"/> Enable menu items as links
	<input type="checkbox"/> Show function key bar	<input checked="" type="checkbox"/> Show function key bar
	<input checked="" type="checkbox"/> Show macros section	<input checked="" type="checkbox"/> Show macros section
	<input checked="" type="checkbox"/> Show operator information area (OIA)	<input checked="" type="checkbox"/> Show operator information area (OIA)
	<input type="checkbox"/> Show active sessions	<input type="checkbox"/> Show active sessions
	<input checked="" type="checkbox"/> Enable cursor positioning	<input type="checkbox"/> Enable cursor positioning
	<input type="checkbox"/> Position cursor at exact location	<input type="checkbox"/> Position cursor at exact location
	<input checked="" type="checkbox"/> Enable message text line as help link	<input type="checkbox"/> Enable message text line as help link
	<input checked="" type="checkbox"/> Enable active function keys as buttons	<input type="checkbox"/> Enable active function keys as buttons
	<input type="checkbox"/> Show function key text (Fxx=) on button	
Foreground colors	9210 Browser	9210 Browser
	Black: Black	Black: Black
	Blue: Blue	Blue: Blue
	Green: Green	Green: Green
	Cyan: Teal	Cyan: Teal
	Red: Red	Red: Red
	Magenta: Fuchsia	Magenta: Fuchsia
	Brown: Yellow	Brown: Yellow
	White: Gray	White: White
Operator information area (OIA)	Color: Black	Color: Blue
Background colors	The browser background color is used.	Color: Black

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

Configure New Session

General

Session: * required

Default view:

Initial macros:

Bypass signon

Display HTML data in fields

Enable advanced JavaScript functions

System

System:

Port:

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

Bypass signon

Display HTML data in fields

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

Workstation ID

Use user ID

Specify workstation ID

Avoid duplicates for this user

Avoid duplicates with other users

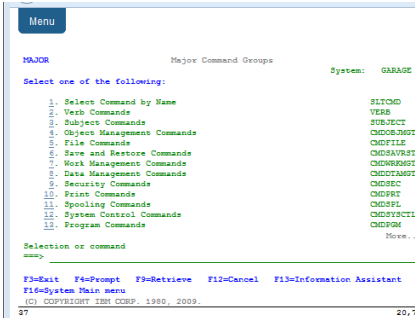
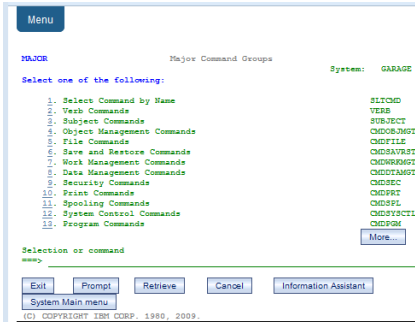
Use user ID	IBM i Access for Web authenticated user ID is used for the workstation ID, up to ten characters.
Specify workstation ID	Enter a workstation ID of your choice, up to ten characters. If you select the radio button and leave the text field blank, a value is generated by IBM i. The default device 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.

Enable 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



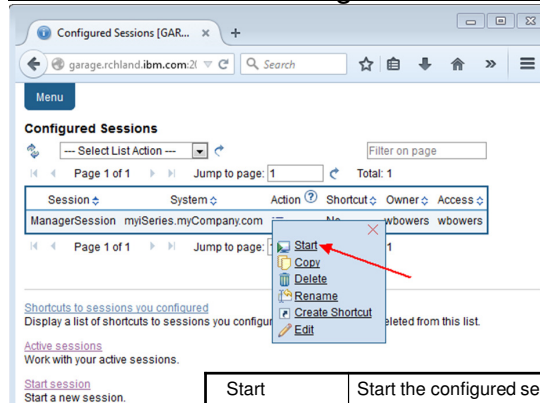
Setting User Defaults

“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.

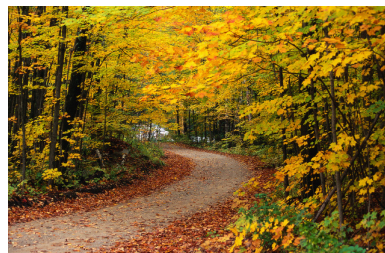
<p>Foreground colors 5250 Browser</p> <p>Black: <input type="text" value="Black"/> ▼</p> <p>Blue: <input type="text" value="Blue"/> ▼</p> <p>Green: <input type="text" value="Green"/> ▼</p> <p>Cyan: <input type="text" value="Teal"/> ▼</p> <p>Red: <input type="text" value="Red"/> ▼</p> <p>Magenta: <input type="text" value="Fuchsia"/> ▼</p> <p>Brown: <input type="text" value="Yellow"/> ▼</p> <p>White: <input type="text" value="Gray"/> ▼</p> <hr/> <p>Operator information area (OIA) Color: <input type="text" value="Black"/> ▼</p> <hr/> <p>Background colors The browser background color is used.</p>	<p>Foreground colors 5250 Browser</p> <p>Black: <input type="text" value="Black"/> ▼</p> <p>Blue: <input type="text" value="Blue"/> ▼</p> <p>Green: <input type="text" value="Green"/> ▼</p> <p>Cyan: <input type="text" value="Teal"/> ▼</p> <p>Red: <input type="text" value="Red"/> ▼</p> <p>Magenta: <input type="text" value="Fuchsia"/> ▼</p> <p>Brown: <input type="text" value="Yellow"/> ▼</p> <p>White: <input type="text" value="White"/> ▼</p> <hr/> <p>Operator information area (OIA) Color: <input type="text" value="Blue"/> ▼</p> <hr/> <p>Background colors Color: <input type="text" value="Black"/> ▼</p>
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[5250 user interface help](#)
View help for editing a configured session.

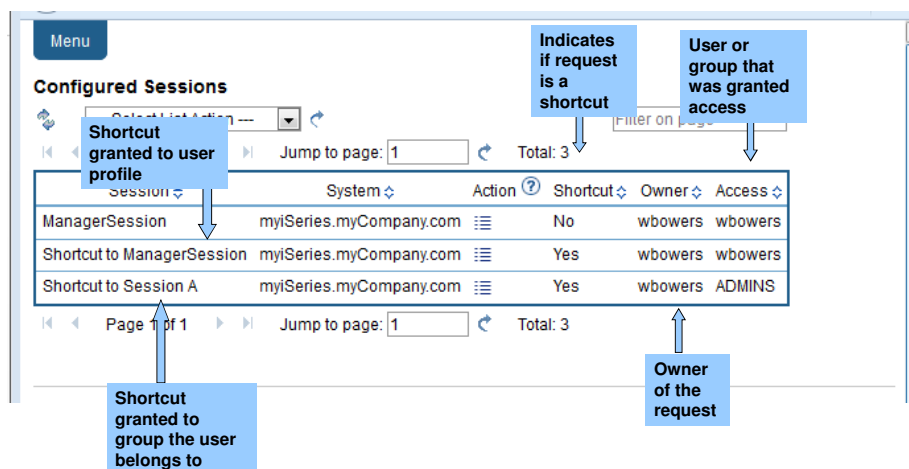


Start	Start the configured session
Copy	Make a copy of the configured session for yourself
Delete	Delete the configured session
Rename	Rename the configured session
Create Shortcut	Share the configured session with another user or group of users
Edit	Change the configured session settings

Creating Shortcuts to your configured sessions



- 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



Configured Sessions

Session	System	Action	Shortcut	Owner	Access
ManagerSession	myiSeries.myCompany.com		No	wbowers	wbowers
Shortcut to ManagerSession	myiSeries.myCompany.com		Yes	wbowers	wbowers
Shortcut to Session A	myiSeries.myCompany.com		Yes	wbowers	ADMINS

Your Configured Session

– Create 'Shortcuts' for other users

Can set Policies

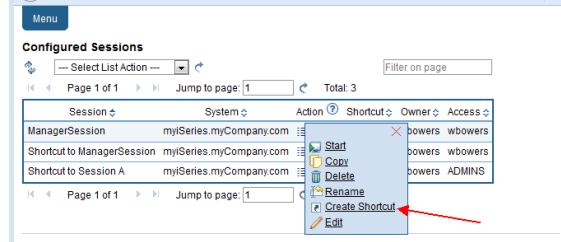
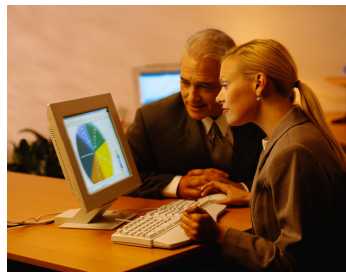
– To restrict what users can do with your shortcut.

– Do not allow users to:

Copy your shortcut

Delete your shortcut

Rename your shortcut

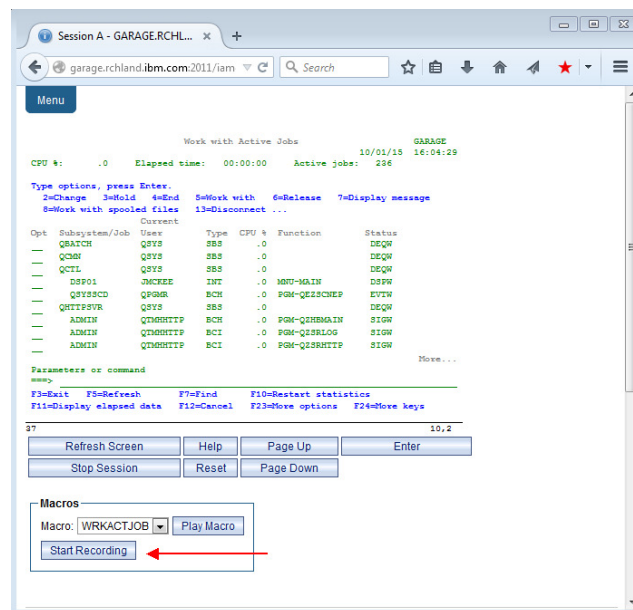



Creating Macros

Adding Macros to Preconfigured Sessions

Behave differently than PC5250

- Keys processed on a screen by screen basis
 - PC5250 – every key is recorded and played back
 - IBM i Mobile Access – 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



The screenshot shows a web browser window displaying an IBM i Mobile Access session. The browser address bar shows 'garage.rchland.ibm.com:2011/iam'. The session title is 'Session A - GARAGE.RCHL...'. The main content area shows a terminal-style interface with the following text:

```

Work with Active Jobs          GARAGE
CPU %: .0  Elapsed time: 00:00:00  Active jobs: 236  10/01/15 16:04:29

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

Current
Opt Subsystem/Job  User      Type  CPU %  Function  Status
---
QBATCH           QSYS     SBS   .0     DEQW      DEQW
QCM              QSYS     SBS   .0     DEQW      DEQW
QCTL             QSYS     SBS   .0     DEQW      DEQW
DSP01            JMKKEE   INT   .0     MRP-MAIN  DSPW
QSYSQCD          QPMGR    BCH   .0     PGM-QE2SCHP  EVTN
QHTF5VR         QSYS     SBS   .0     DEQW      DEQW
ADMIN            QMSHTTP  BCH   .0     PGM-QSRMAIN  SIGN
ADMIN            QMSHTTP  BCI   .0     PGM-QSRLOG   SIGN
ADMIN            QMSHTTP  BCI   .0     PGM-QSRHTTP  SIGN
    
```

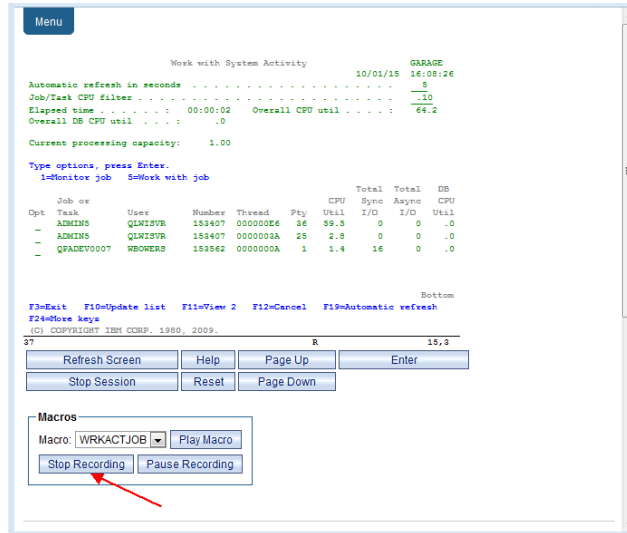
Below the terminal output, there are several function key definitions:

```

Parameters or command
any
F3=Exit  F5=Refresh  F7=Find  F10=Restart statistics
F11=Display elapsed data  F12=Cancel  F23=Move options  F24=Move keys
    
```

At the bottom of the terminal window, there are buttons for 'Refresh Screen', 'Help', 'Page Up', 'Enter', 'Stop Session', 'Reset', and 'Page Down'. Below the terminal window, a 'Macros' dialog box is open, showing a dropdown menu with 'WRKACTJOB' selected and a 'Play Macro' button. A red arrow points to a 'Start Recording' button located below the 'Play Macro' button.

Stop Macro Recording



Menu

Work with System Activity 10/01/15 14:08:26 GARAGE

Automatic refresh in seconds 5
 Job/Task CPU filter 10
 Elapsed time 00:00:02 Overall CPU util 64.2
 Overall DS CPU util 0

Current processing capacity: 1.00

Type options, press Enter.
 1=Monitor job S=Work with job

Job or	Task	User	Number	Thread	Pty	CPU	Total	Total	DS
Opt	Task	User	Number	Thread	Pty	Util	I/O	I/O	Util
-	ADM2HS	QIM2SVR	152407	000000E6	36	59.5	0	0	.0
-	ADM2HS	QIM2SVR	152407	0000000A	25	2.5	0	0	.0
-	QPADEV0007	NS02HS3	152462	0000000A	1	1.4	16	0	.0

Bottom

F3=Exit F10=Update list F11=View 2 F12=Cancel F19=Automatic refresh
 F24=Move Keys

ICV COPYRIGHT IBM CORP. 1980, 2009.

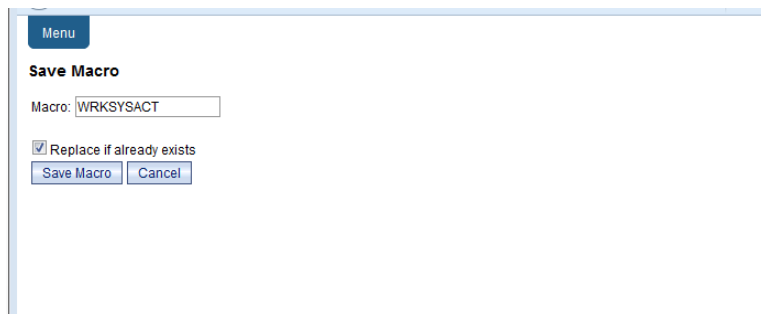
37 R 15,3

Refresh Screen Help Page Up Enter
 Stop Session Reset Page Down

Macros

Macro: WRKACTJOB Play Macro
 Stop Recording Pause Recording

Naming the Macro



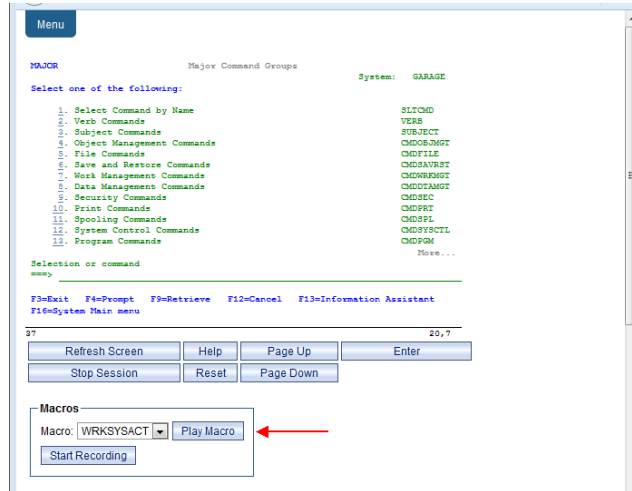
Menu

Save Macro

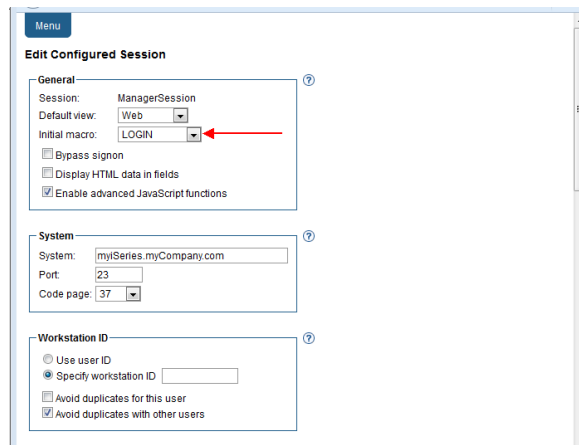
Macro: WRKSYSACT

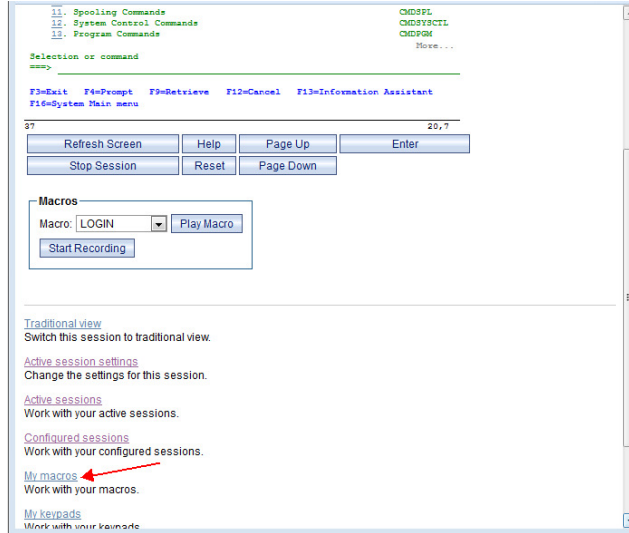
Replace if already exists

Save Macro Cancel



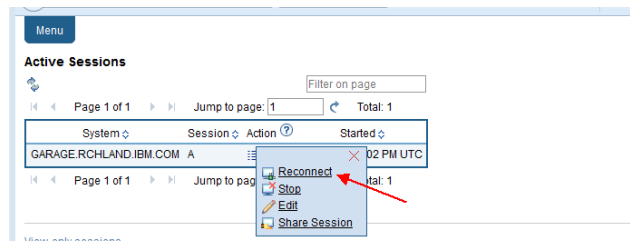
All macros you have created, or shortcuts that have been shared with you will appear in pull-down





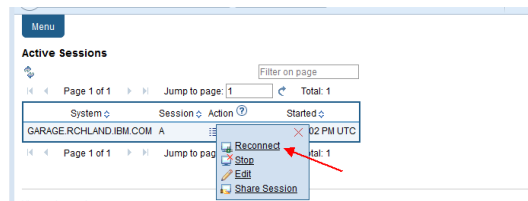
Active Sessions

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



- Session resides on the server, not the workstation
- Session remains active until
 - User ends (stops) the session, or
 - Session time out due to inactivity

Time out value is configurable through Access for Web



Taking advantage of active session behavior

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

Menu

Sign On

System GARAGE
 Subsystem QINTER
 Display QPADEV0025

User _____
 Password _____

Program/procedure _____
 Menu _____
 Current library _____

(C) COPYRIGHT IBM CORP. 1980, 2009

37 6.53

End this active session

Menu

Active Sessions

Filter on page

Page 1 of 1 Jump to page: 1 Total: 2

System	Session	Action	Started
GARAGE.RCHLAND.IBM.COM	B		10/2/15 10:30:38 AM UTC
GARAGE.RCHLAND.IBM.COM	A		3:15 AM UTC

Page 1 of 1 Jump to page: 1 Total: 2

Reconnect

Stop

Edit

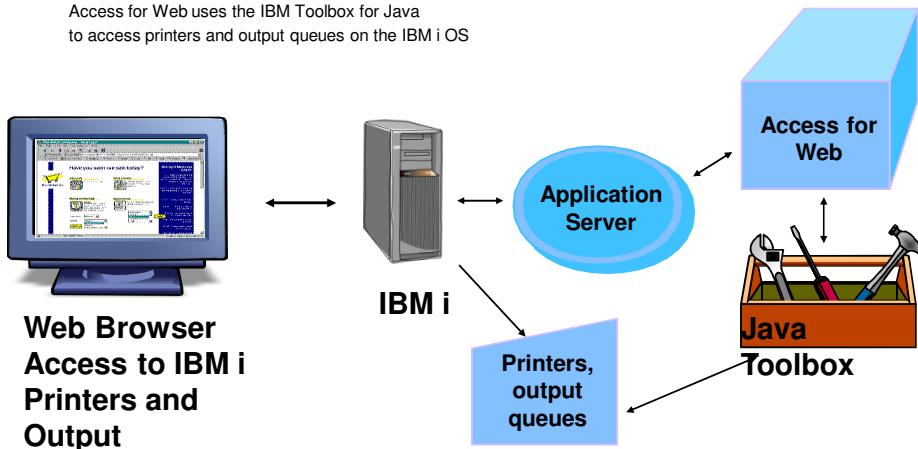
Share Session

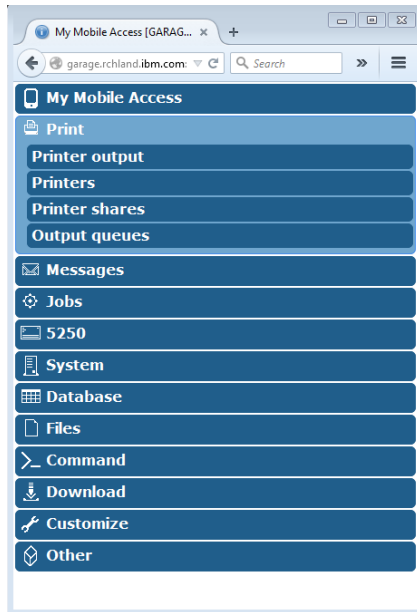
Print



Access for Web Print Overview

Access for Web uses the IBM Toolbox for Java to access printers and output queues on the IBM i OS



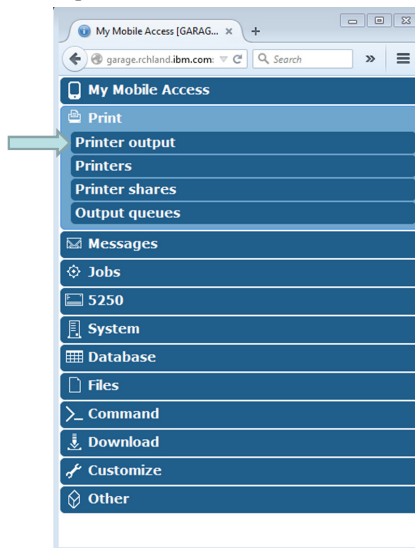


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IBM i Mobile Access has many functions for printing and print management.

- Printer output - preview, manage output
- Printers - view and manage printers and output
- Printer shares - view printers and manage output
- Output queues - view and manage queues and output

Printer Output



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- Display spooled files for the signed on user for all output queues
- Use navigation to navigate list
- List shows spooled file attributes – User, Pages Per Copy, Creation Timestamp

Select	File Name	Action	Creation Date/Time	User	Pages Per Copy
<input type="checkbox"/>	QPDSPAJB		5/21/15 3:32 PM	WBOWERS	5
<input type="checkbox"/>	QSYSPRT		6/3/15 9:28 AM	WBOWERS	1
<input type="checkbox"/>	QSYSPRT		6/19/15 2:42 PM	WBOWERS	1
<input type="checkbox"/>	QSYSPRT		6/19/15 3:00 PM	WBOWERS	1
<input type="checkbox"/>	QSYSPRT		6/19/15 3:35 PM	WBOWERS	1
<input type="checkbox"/>	QSYSPRT		6/19/15 3:36 PM	WBOWERS	2
<input type="checkbox"/>	QPSRVTRCJ		6/23/15 10:23 AM	WBOWERS	47
<input type="checkbox"/>	QPSRVTRCJ		6/23/15 10:24 AM	WBOWERS	131
<input type="checkbox"/>	QPSRVTRCJ		6/23/15 10:24 AM	WBOWERS	122
<input type="checkbox"/>	QPCSMPT		7/30/15 3:04 PM	WBOWERS	1007
<input type="checkbox"/>	QPCSMPT		8/7/15 7:44 AM	WBOWERS	3
<input type="checkbox"/>	QSYSPRT		6/19/15 3:11 PM	WBOWERS	2
<input type="checkbox"/>	QSYSPRT		8/7/15 8:34 AM	WBOWERS	243
<input type="checkbox"/>	QSYSPRT		8/7/15 2:06 PM	WBOWERS	3
<input type="checkbox"/>	QSYSPRT		8/7/15 2:07 PM	WBOWERS	1

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- Work with printer output
- View printer output
- View as PDF

Select	File Name	Action	Creation Date/Time	User	Pages Per Copy
<input type="checkbox"/>	QPDSPAJB		3:32 PM	WBOWERS	5
<input type="checkbox"/>	QSYSPRT		:28 AM	WBOWERS	1
<input type="checkbox"/>	QSYSPRT		2:42 PM	WBOWERS	1
<input type="checkbox"/>	QSYSPRT		3:00 PM	WBOWERS	1
<input type="checkbox"/>	QSYSPRT		6/19/15 3:35 PM	WBOWERS	1
<input type="checkbox"/>	QSYSPRT		6/19/15 3:36 PM	WBOWERS	2
<input type="checkbox"/>	QPSRVTRCJ		6/23/15 10:23 AM	WBOWERS	47
<input type="checkbox"/>	QPSRVTRCJ		6/23/15 10:24 AM	WBOWERS	131
<input type="checkbox"/>	QPSRVTRCJ		6/23/15 10:24 AM	WBOWERS	122
<input type="checkbox"/>	QPCSMPT		7/30/15 3:04 PM	WBOWERS	1007
<input type="checkbox"/>	QPCSMPT		8/7/15 7:44 AM	WBOWERS	3
<input type="checkbox"/>	QSYSPRT		6/19/15 3:11 PM	WBOWERS	2
<input type="checkbox"/>	QSYSPRT		8/7/15 8:34 AM	WBOWERS	243
<input type="checkbox"/>	QSYSPRT		8/7/15 2:06 PM	WBOWERS	3
<input type="checkbox"/>	QSYSPRT		8/7/15 2:07 PM	WBOWERS	1

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Menu

Work With Printer Output

File name: QPDSPAJB
 File number: 1
 Job name: QPADEV0003
 Job number: 075303
 User: WBOWERS
 Created system: S106159F
 Created date/time: 5/21/15 3:32 PM

[Hold](#) [Print Next](#) [Delete](#)

Action

- [Move printer output to another printer](#)
- [Move printer output to another output queue](#)
- [Send printer output to another system \(SNDTCPSPLF\)](#)
- [Change printer output attributes \(CHGSPLFA\)](#)
- [Copy printer output to database file \(CPYSPLF\)](#)

[Print help](#)
 View help for working with printer output.

- **Hold/release**
- **Print next**
- **Delete**
- **Move to another printer**
- **Move to another output queue**
- **Send output to another server**
- **Change printer output attributes**
- **Copy printer output to a database file**
- **Actions based on current state and writer availability**

View SCS and AFP spooled files in several formats:

- PNG
- TIFF
- PCL
- AFP Viewer

View

- Configure default view in Preferences

View as

- Select format to view

Menu

View Printer Output

File name: QPDSPAJB
 File number: 1
 Job name: QPADEV0003
 Job number: 075303
 User: WBOWERS
 Created system: S106159F
 Created date/time: 5/21/15 3:32 PM

View as: ▾

[View](#)

[Print help](#)
 View help for viewing printer output.

- Utilizes either
 - IBM Infoprint Server (5722-IP1) if installed
 - - Can be disabled by Policy or Preference
 - Will fail if not licensed
 - Highest Function of True PDF support
 - IBM Transform Service for i – 5770TS1 Option 1 Transforms – AFP to PDF Transforms
 - Can be disabled by Policy or Preference
 - True PDF document
 - Built in IBM Host Print Transform iText support
 - Generated PTF is image only
- View printer output as PDF
 - Requires PDF viewer such as Adobe Acrobat Reader
- Destination
 - Browser
 - Preview or Save/Print from Browser PDF viewer
 - Mail as Attachment
 - Send PDF result as attachment to a list of email addresses
 - Status sent to own email address
 - Works well with large output files, runs in background
 - Send to personal folder
 - Send to user's own or other users' folders
 - Status sent to user's own folder
 - Works well with large output files, runs in background
- "Restore original printer output" setting
 - Places spooled file back on the output queue after being displayed, deleted if not selected
- "Embed font in PDF output" setting
 - Larger PDF document download size, but ensures font is available when viewing

- Select device type
- Select paper size
 - default by browser locale
- Select destination
 - browser
 - mail as attachment
 - personal folder
- Output is removed from the output queue if "Restore original printer output" is not checked

Menu

PDF Output Settings

Destination: Browser Settings... ?

▼ Advanced settings

Device type to emulate: Infoprint 40 (300 DPI) ?

Drawer 1 paper size: Letter ?

Drawer 2 paper size: Letter ?

Restore original printer output ?

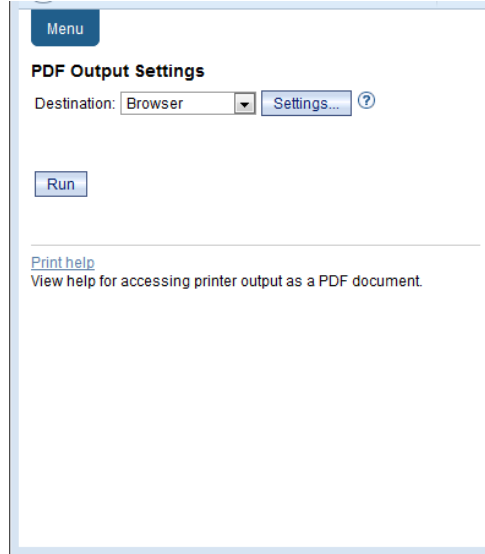
Restore original printer output status ?

Embed font in PDF output ?

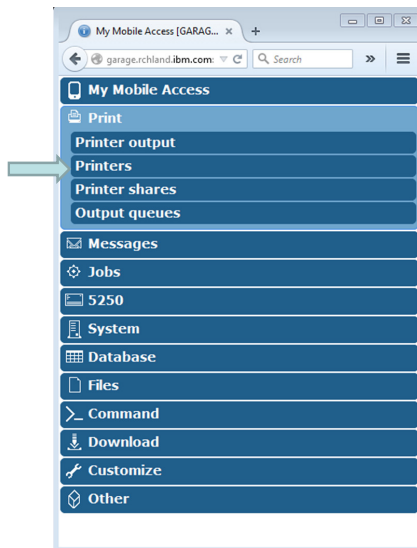
Run

[Print help](#)
View help for accessing printer output as a PDF document.

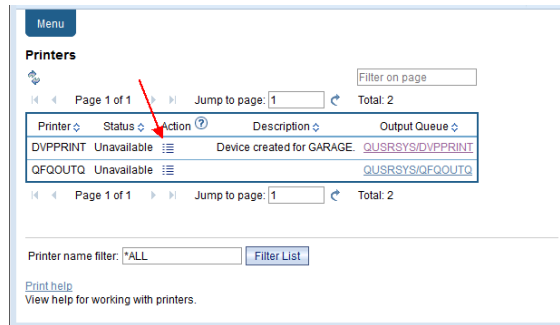
- Select destination
 - browser
 - mail as attachment
 - personal folder



Printers



- View system printers
- Check printer status
- Perform Actions
 - Start
 - Stop
 - Make Available
 - Hold
 - Make Unavailable



Menu

Printers

Filter on page

Page 1 of 1 Jump to page: 1 Total: 2

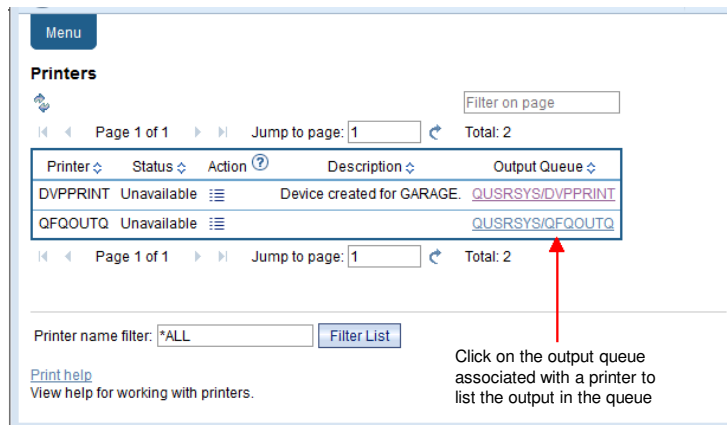
Printer	Status	Action	Description	Output Queue
DVPPRINT	Unavailable		Device created for GARAGE.	QUSRSYS/DVPPRINT
QFQOUTQ	Unavailable			QUSRSYS/QFQOUTQ

Page 1 of 1 Jump to page: 1 Total: 2

Printer name filter: *ALL

[Print help](#)
View help for working with printers.

List output for a printer



Menu

Printers

Filter on page

Page 1 of 1 Jump to page: 1 Total: 2

Printer	Status	Action	Description	Output Queue
DVPPRINT	Unavailable		Device created for GARAGE.	QUSRSYS/DVPPRINT
QFQOUTQ	Unavailable			QUSRSYS/QFQOUTQ

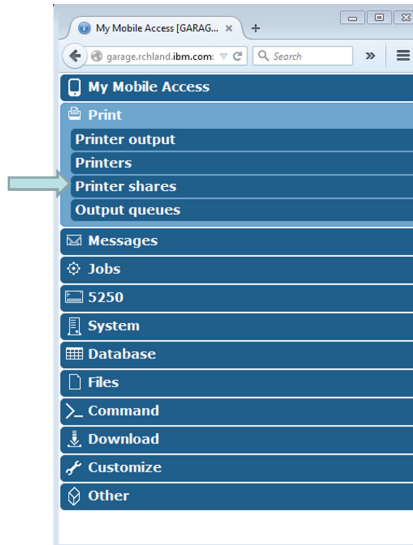
Page 1 of 1 Jump to page: 1 Total: 2

Printer name filter: *ALL

[Print help](#)
View help for working with printers.

Click on the output queue associated with a printer to list the output in the queue

Printer Shares

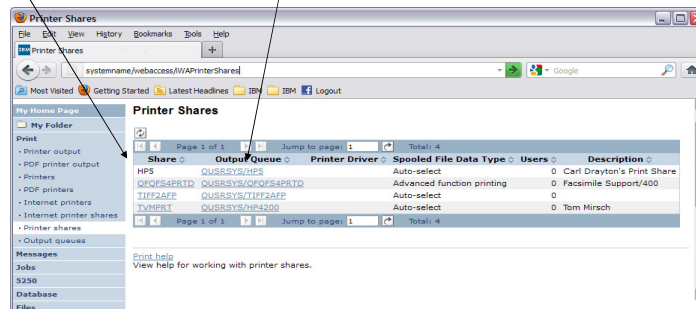


Printer Shares

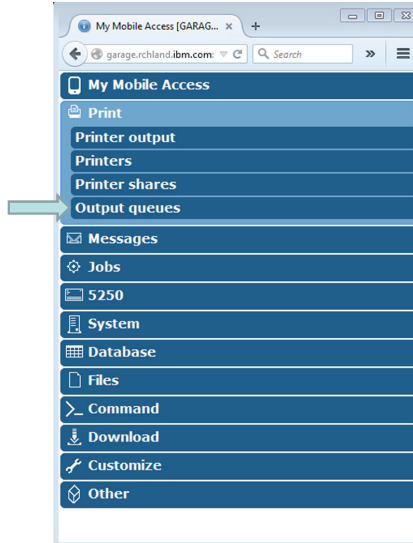
Netserver Printer Shares

Click on share name to manage the printer

Click on the output queue name to display the printer output



Output Queues



Output Queues

- List output queues for current "filter"
- Click on output queue to display a list of spooled files
- View status
- Change status
- View number of spooled files on the queue
- View associated writer

Menu

Output Queues

Filter on page

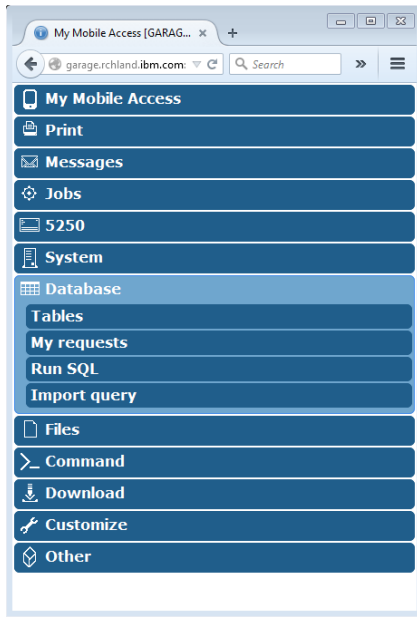
Page 1 of 1 Jump to page: 1 Total: 25

Output Queue	Status	Action	Files	Writer
DPUREBER/DVPY	Released		0	
DPUREBER/TEST	Released		0	
QFAX/QFAXOUTQ	Released		0	
QFAX/QFOOUTQ	Released		0	
QGPI/QDKT	Released		0	
QGPI/QPFROUTQ	Released		0	
QGPI/QPRINT	Released		683	
QGPI/QPRINTS	Released	Hold	0	
QGPI/QPRINT2	Released		0	
QIUS/QIUSOUTQ	Released		0	
QRCL/QSPRCLOUTQ	Released		0	
QRDARS/ONDERR	Released		0	
QRDARS/ONDPROC	Released		0	
QRDARS/ORDARS400	Released		0	
QSERVICE/QSRVIMON	Released		0	
QSRVAGT/QS9SRVAGT	Released		0	

- IBM i Mobile Access Print:
 - Preview and print output in several formats
 - Manage printers
 - Work with printer shares
 - Manage output queues

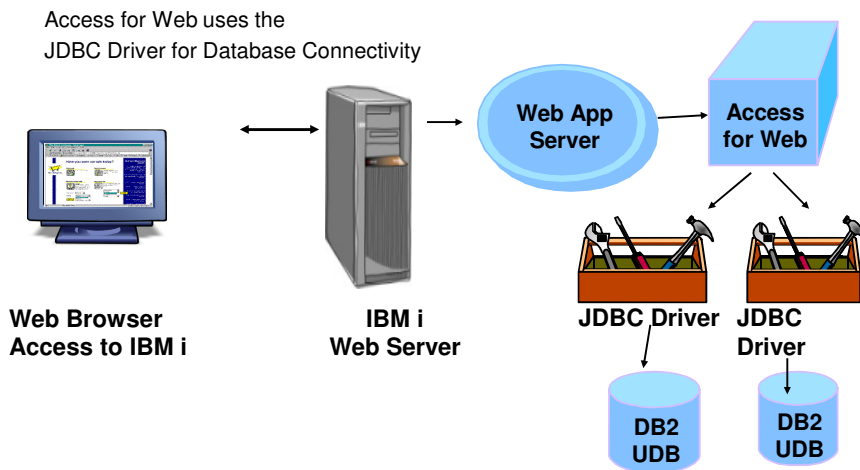
Database





IBM i Mobile Access has many functions for Database access and management.

- Run SQL – Run SQL statements with a wizard to build Queries
- My Requests – Run and Manage your saved SQL statements
- Import Query – Imports DB2 Query Manager and Query for i saved queries
- Tables – Robust set of tools for interacting with Tables on the IBM i OS



Run SQL



Run SQL

The Run SQL function allows you to type in a free-form SQL Statement

- If you do not know SQL, then use the SQL Wizard to help you generate an SQL SELECT statement
- Select from a variety of output formats, including:

Preview
 PDF
 .XLS (Excel)
 XML
 SVG
 ...

Run SQL

SQL Statement ?

SELECT * FROM BOATS.BOATS

[SQL Wizard](#)

SQL Output ?

Type: [Settings](#)

Destination: [Settings](#)

Format ?

Date:

Time:

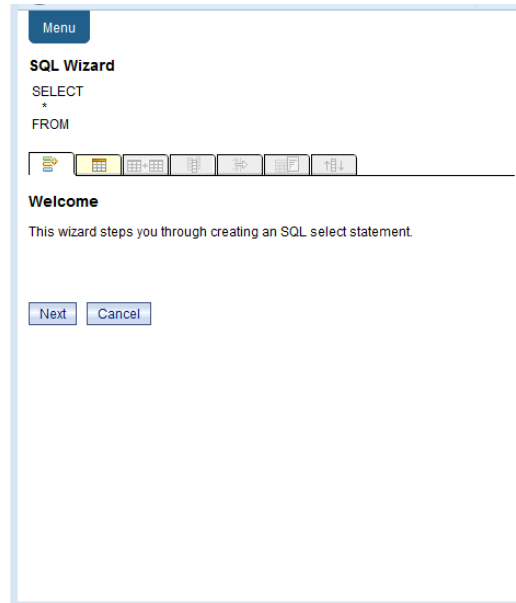
Connection ?

Connection: .IBM.COM

[Run SQL](#) [Save Request...](#)

The SQL Wizard helps you generate a SELECT statement

Includes support for joining tables

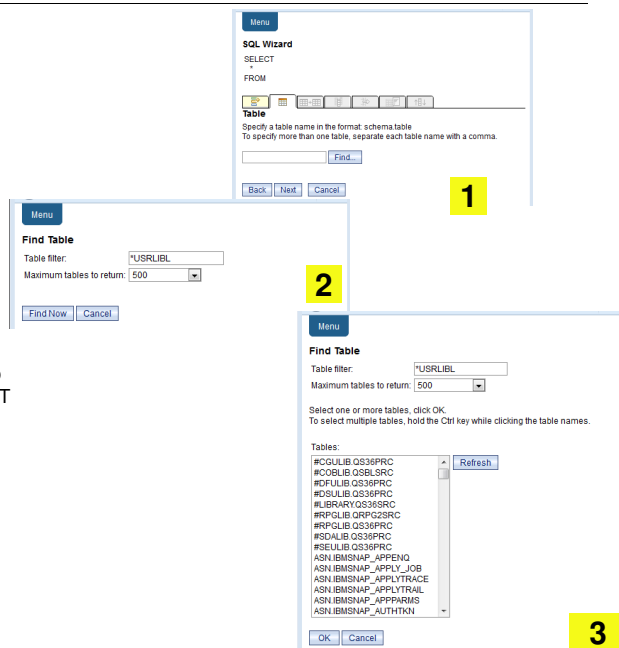


Step 1:

Choose a table

Type in a **table filter** to help narrow your search. Many schemas (libraries) may be specified by putting them in a comma separated list

Select a table and click OK to use it to generate the SELECT statement



- Select multiple tables
- Select the join type
- Optionally add conditions

Find Table

Table filter:

Maximum tables to return:

Select one or more tables, click OK.
To select multiple tables, hold the Ctrl key while clicking the table names.


Tables:


QIWS.QCLUSTCDT	<input type="checkbox"/>	<input type="button" value="Refresh"/>
QIWS.QMENSURC	<input type="checkbox"/>	


1


Join Type


The following join types are available for the selected tables. Select a join type.


INNER 
Return rows from each table having matching values for the join condition.

LEFT OUTER 
Return rows from each table having matching values for the join condition. Also return one row for each row in the first table that does not have a match in the second table.

RIGHT OUTER 
Return rows from each table having matching values for the join condition. Also return one row for each row in the second table that does not have a match in the first table.

LEFT EXCEPTION 
Return rows from the first table that do not have a match in the second table for the join condition.

RIGHT EXCEPTION 
Return rows from the second table that do not have a match in the first table for the join condition.

CROSS 
Return a result table where each row from the first table is combined with each row from the second table.

2

Join Condition

Type: LEFT OUTER

First table: QIWS.QCLUSTCDT (T1)

Second table: QIWS.QMENSURC (T2)

Type > First table > Second table > [Condition]

To add a condition to the select statement, click Add New Condition. To continue, click Next.

3

Step 2:

Choose columns

- Check the boxes next to the columns to include them in the statement

If you check none, you get all columns

- Click the column order button to change the order output

Changed Price from 50 to 05 so it would be first

SQL Wizard

```
SELECT *
FROM "BOATS", "BOATS"
```

Columns

Select which columns to include. If no columns are selected, all columns are included.

Column	Description	Heading
<input checked="" type="checkbox"/> BTYPE	P=Powered S=Sailing	Column name
<input checked="" type="checkbox"/> BNAME	boat name	Column name
<input checked="" type="checkbox"/> BFEEET	Length in feet	Column name
<input checked="" type="checkbox"/> BYEAR	Year built	Column name
<input checked="" type="checkbox"/> BCOST	Price in US\$	Column name
<input type="checkbox"/> BNT01	Note 1	Column name
<input type="checkbox"/> BNT02	Note 2	Column name
<input type="checkbox"/> BNT03	Note 3	Column name
<input type="checkbox"/> BNT04	Note 4	Column name

Column Order

To change the order in which columns are included, change the order values. Columns with smaller order values will be included before columns with larger order values.

Order	Column	Description
10	BTYPE	P=Powered S=Sailing
20	BNAME	boat name
30	BFEEET	Length in feet
40	BYEAR	Year built
05	BCOST	Price in US\$

Step 3:

Adding conditions

- Conditions allow you to select records that meet certain criteria.
- Click Add New Condition to specify a condition.
- Select the column to use in the condition and click Next

SQL Wizard

```
SELECT
  "BCOST", "BTYPE", "BNAME", "BFEEET", "BYEAR"
FROM
  "BOATS"."BOATS"
```



Condition

To add a condition, click Add New Condition. To continue, click Next.

Condition Column

Select a column.

Column	Type	Description
<input type="radio"/> BTYPE	CHAR(1)	P=Powered S=Sailing
<input type="radio"/> BNAME	CHAR(30)	boat name
<input type="radio"/> BFEEET	NUMERIC(3)	Length in feet
<input type="radio"/> BYEAR	NUMERIC(4)	Year built
<input checked="" type="radio"/> BCOST	NUMERIC(9)	Price in US\$
<input type="radio"/> BNT01	CHAR(72)	Note 1
<input type="radio"/> BNT02	CHAR(72)	Note 2
<input type="radio"/> BNT03	CHAR(72)	Note 3

- The SQL wizard allows you to choose the operator to use in the condition
- The condition shows up both in the SQL statement and in a condition list. You may edit or delete the condition.
- You may also add additional conditions.

Condition Operator

Column: BCOST NUMERIC(9) Price in US\$

Column > [Operator]

Select an operator.

- Exactly equal to
- Not equal to
- Greater than
- Greater than or equal to
- Less than
- Less than or equal to
- Between
- Not between
- Null
- Not null

- The SQL wizard allows you to choose if the condition value is specified in the request, or is prompted for when the request is run.
- Static or Dynamic

Condition Value Option

Column: BCOST NUMERIC(9) Price in US\$
Operator: Less than

[Column](#) > [Operator](#) > [\[Value option\]](#)

Select how the condition value is specified.

Specify condition value now

The user is not prompted for input when the request is run. The SQL Wizard displays a page to enter the condition value.

Prompt for condition value when request is run

The user is prompted for the condition value when the request is run. The SQL Wizard displays pages to specify how the condition prompt is displayed.

The SQL wizard allows you to specify the value for the condition.

The value can be:

- Constant or
- Other specific function

Can find values in table

Condition Value

Column: BCOST NUMERIC(9) Price in US\$
Operator: Less than
Value option: Specify now

[Column](#) > [Operator](#) > [Value option](#) > [\[Value\]](#)

Specify a condition value. The value can be a constant, an SQL register, or a function.

Less than

Value is a constant

Find Value

Search for values that match the following search criteria. If no value is specified, all column values are returned.

Greater than or equal to

Less than or equal to

Maximum values to return: 25

Select a value, click OK

Available values:

13000
19900
23900
27500
55000
57900
63000
69000
69950
80000
149000
159900
179000
179500
249000

- The statement is now complete.
- Click the Finish button (not shown) on the bottom of the SQL Wizard page to return to Run SQL
- The SELECT statement you generated is available for use in Run SQL

SQL Wizard

```
SELECT
  "BCOST", "BTYPE", "BNAME", "BFREET", "BYEAR"
FROM
  "BOATS"."BOATS"
WHERE
  ( ("BCOST" < 1000000) )
```

Sort

Select which columns to use when sorting the data. If no columns are selected, data is returned in the order it was inserted.

Column	Description	Direction
<input type="checkbox"/> BTYPE	P=Powered S=Sailing	Ascending
<input type="checkbox"/> BNAME	boat name	Ascending
<input type="checkbox"/> BFREET	Length in feet	Ascending
<input type="checkbox"/> BYEAR	Year built	Ascending
<input checked="" type="checkbox"/> BCOST	Price in US\$	Descending
<input type="checkbox"/> BNT01	Note 1	Ascending

Run SQL

SQL Statement

```
SELECT
  "BCOST", "BTYPE", "BNAME", "BFREET", "BYEAR"
FROM
  "BOATS"."BOATS"
WHERE
  ( ("BCOST" < 1000000) )
```

SQL Wizard

SQL Output

Type: [Settings](#)
 Destination: [Settings](#)

Format

Date:
 Time:

Connection

Connection:

After creating a statement (by hand or with the SQL Wizard) you have the option to save it for later use

Can Run it now

Or

Save and Run it later from "My Requests"

Run SQL

SQL Statement

```
SELECT
  "BCOST", "BTYPE", "BNAME", "BFREET", "BYEAR"
FROM
  "BOATS"."BOATS"
WHERE
  ( ("BCOST" < 1000000) )
```

SQL Wizard

SQL Output

Type: [Settings](#)
 Destination: [Settings](#)


Format

Date:
 Time:

Connection

Connection:

Save Request

 Request saved successfully

[Create another request](#)

[My requests](#)

[Run Boats for Less Than \\$1,000,000](#)

Create a new SQL request

Display the list of your requests

Run the saved request

Select to prompt for values when the request is run

Condition Value Option

Column: BCOST NUMERIC(9) Price in US\$
Operator: Less than or equal to

[Column](#) > [Operator](#) > [\[Value option\]](#)

Select how the condition value is specified.

- Specify condition value now**
The user is not prompted for input when the request is run. The SQL Wizard displays a page to enter the condition value.
- Prompt for condition value when request is run**
The user is prompted for the condition value when the request is run. The SQL Wizard displays pages to specify how the condition prompt is displayed.

- Choose a comparison operator just like we did in the static query example
- Select how the user will be prompted for the values

Condition Operator

Column: BCOST NUMERIC(9) Price in US\$

[Column](#) > [\[Operator\]](#)

Select an operator.

- Exactly equal to
- Not equal to
- Greater than
- Greater than or equal to
- Less than
- Less than or equal to
- Between
- Not between
- Null
- Not null

Condition Prompt - Option

Column: BCOST NUMERIC(9) Price in US\$
Operator: Less than or equal to
Value option: Prompt when request is run

[Column](#) > [Operator](#) > [Value option](#) > [Prompt](#) > [\[Option\]](#)

Select how the condition value is specified.

- Enter value**
The user enters the value in a field. The SQL Wizard displays a page to specify the initial value for this field.
- Select from list of predefined values**
The user selects the value from a list. The SQL Wizard displays a page to specify the values shown in the list.
- Select from list of existing column values**
The user selects the value from a list. The list contains the unique column values in the table when the request is run. The SQL Wizard displays a page to select the maximum number of values shown in the list. If this value is exceeded, the list is replaced with a field for the user to enter the value.

- Setting Initial Value that Boats can cost equal to or less than \$3,000,000

Condition Prompt - Initial Value

Column: BCOST NUMERIC(9) Price in US\$
 Operator: Less than or equal to
 Value option: Prompt when request is run
 Prompt option: Enter value

Column > Operator > Value option > Prompt > Option > [Initial value]

Specify the initial value. If no value is specified, the field is displayed without an initial value.

- Adding Text to explain to user what to enter in this column

Condition Prompt - Layout Settings

Column: BCOST NUMERIC(9) Price in US\$
 Operator: Less than or equal to
 Value option: Prompt when request is run
 Prompt option: Enter value
 Layout option: Text only

Column > Operator > Value option > Prompt > Option > Initial value > Layout option > [Layout settings]

Specify the prompt text. Line breaks are preserved if the 'Text contains HTML tags' option is not selected.

Text contains HTML tags

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- Can add another condition to this Dynamic SQL Request

SQL Wizard

```
SELECT
  "BCOST", "BTYPE", "BNAME", "BFEET", "BYEAR"
FROM
  BOATS,BOATS
WHERE
  ( ("BCOST" <= ?) )
```

Condition

Action	Condition	Prompt Label	Prompt Text	Prompt Option
	("BCOST" <= ?)	Boat Cost Upper Limit	Enter value	

To add a condition, click Add New Condition. To continue, click Next.

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Run SQL

User selects

- Maximum cost of boat
- Type of Boat

Boat Cost Upper Limit

P=Powered S=Sailing exactly equal to:

SQL Output

The SQL Output was set up to show in Descending Order by Boat Cost

BCOST	BTYPE	BNAME	BFEET	BYEAR
450000	S	Merlin's Magic	54	1990
269500	S	Seafinn 411 Motorsailer Ketch	41	1989
179500	S	Fountaine Pajot Antigua	37	1993
179000	S	Nauticat 40	40	1989
159900	S	Shannon 50 ketch	50	1981
149000	S	Brandimayr 48	48	1985
80000	S	Garden Design Porpoise Ketch	51	1974
69950	S	Corsair 27	27	1994
69000	S	Morgan 382 Race/Cruise Sloop	38	1978
63000	S	Mariner Ketch	40	1979
57900	S	Hunter 33.5	33	1990
27500	S	Bill Garden Schooner	36	1953

SQL Wizard completed successfully.

Note: Use the SQL wizard to make additional updates to the SQL statement. If updates are made outside the wizard, the SQL wizard can no longer be used with the updated statement. Also, all prompt information is lost and the request might not run successfully.

- Dynamic queries generated by the wizard can only be modified using the wizard
- If you wish to create your own you will need to manually add parameter markers directly into the SQL statements and create your own web page to prompt for the values

Edit SQL Request

SQL Statement

```
SELECT
  "BCOST", "BTYPE", "BNAME", "BFEET", "BYEAR"
FROM
  BOATS.BOATS
WHERE
  ( ("BCOST" <= ?) AND
```

SQL Output

Type:

Destination:

Format

Date:

Time:

Connection

Connection:

Choose from 4 different output destinations:

- Browser
- Email
- Personal folder
- Integrated File System

Run SQL

SQL Statement

SQL Wizard

SQL Output

Type: Preview Settings

Destination: Browser Settings

Format: 3/4/06

Date: 3/4/06

Time: 1:45:38 PM

Connection

Connection: IBM Toolbox for Java - .IBM.COM

Run SQL Save Request...

The SQL statement is built indicating that Output Type is Microsoft Excel.

Run SQL

SQL Statement

SELECT * FROM QIWS.QCUSTCDT

SQL Wizard

SQL Output

Type: Microsoft Excel 4 (.xls) Settings

Destination: Browser Settings

Format: 3/4/06

Date: 3/4/06

Time: 1:45:38 PM

Connection

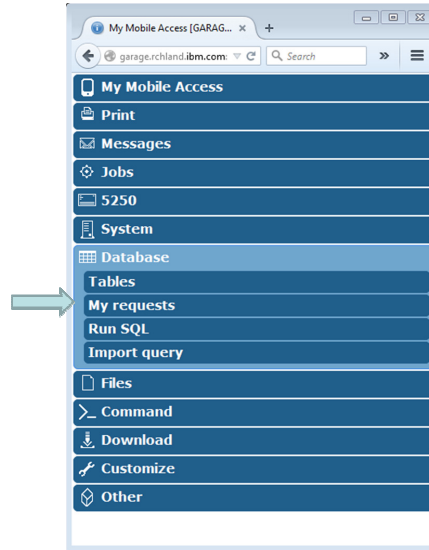
Connection: IBM Toolbox for Java - .IBM.COM

Run SQL Save Request...

A1	B	C	D	E	F	G	H	I	J	K	L
CUSNUM	STNAM	INT	STREET	CITY	STATE	ZIPCOD	CDTLMT	CHGCOD	BALDUE	COTDUE	
2	938472	Herring	G K	4859 Elm	Dallas	TX	75217	5000	3	37	0
3	939033	Jones	B D	239 NW 1	Clay	NY	13041	400	1	100	0
4	392859	Vine	S S	PO Box 71	Bristol	VT	5046	700	1	439	0
5	938485	Johnson	J A	3 Alpine	Wheeler	GA	30545	9999	2	3987.5	33.5
6	392787	Tyren	W E	13 Myrtle	Hector	NY	14841	9000	1	0	0
7	389572	Stevens	K L	208 Snow	Danmar	CO	80226	400	1	58.75	1.5
8	846283	Alison	J S	787 Laine	Castle	MN	56342	5000	3	10	0
9	475938	Doe	J W	59 Archer	Sutter	CA	95685	700	2	250	100
10	693829	Thomas	A N	3 Dove	CinCaliper	WV	82609	9999	2	0	0
11	593029	Williams	E D	485 85 2	Dallas	TX	75218	200	1	25	0
12	192837	Lee	F L	5963 Oak	Hector	NY	14841	700	2	489.5	0.5
13	583990	Abraham	M T	392 14th	Stisle	MN	56342	9999	3	500	0

Browser sees the .xls format type, starts Excel or viewer, and displays the results

My Requests



My Requests

Requests that are saved for an user to run again at any time.

Requests are saved by an user.

Or, an Administrator creates queries or upload requests for end users to run.

- Selected Users are then given access to run these selected data requests. These are called Shortcuts

My Requests

Request	Description	Action	Shortcut	Owner	Access
Shortcut to Boats for Sale	View all available boats		Yes	jhansen	stymie
Shortcut to Find Boat to Buy	Select type and price limites		Yes	jhansen	*PUBLIC
Shortcut to My Customer Mailing	Mail customer list		Yes	jhansen	stymie
Shortcut to My Customer Mailing	Mail customer list		Yes	jhansen	*PUBLIC
Shortcut to Put My Customer List in Folder	Store customer list		Yes	jhansen	stymie

Import Queries



Import Query Requests

- Bring your existing queries to a browser environment
- Use the **Import Query** tool to bring them into Access for Web
 - IBM Query for i5/OS (5761-QU1)
 - DB2 for i5/OS Query Manager (5761-ST1)

Import Query

Specify the query file you want to import. The query contained in the query file will be converted to an System i Access for Web database request.

Note: The converted System i Access for Web database request could work differently than the original query file. Verifying the converted request is strongly recommended.

Query to Import

Query file:

Query type:

Query file CCSID:

[Database help](#)
View help for importing queries.

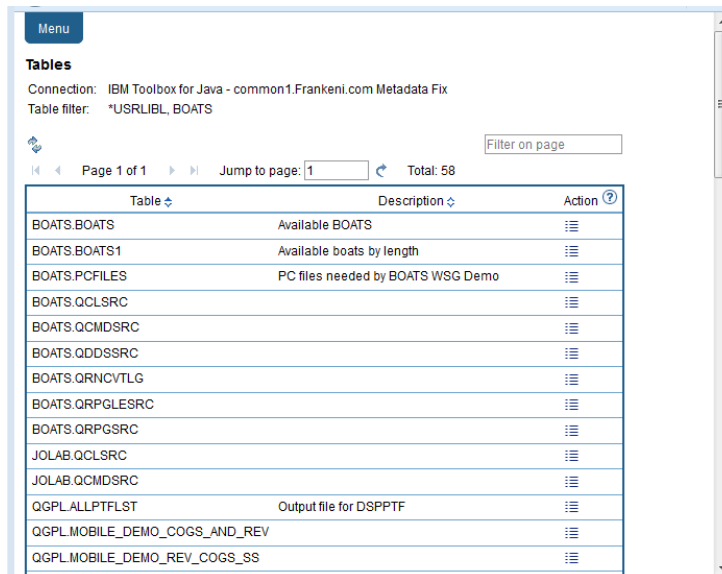
****QMQR and *QRYDFN
are the query file types supported***

Tables




The screenshot shows a mobile application interface with a menu of options. A green arrow points to the 'Tables' option, which is highlighted in blue. The menu items include: My Mobile Access, Print, Messages, Jobs, 5250, System, Database, Tables, My requests, Run SQL, Import query, Files, Command, Download, Customize, and Other.

Working with Tables



The screenshot shows a web application interface for working with tables. It includes a 'Menu' button, connection information, a table filter, and a table listing various tables with their descriptions and actions.

Connection: IBM Toolbox for Java - common1.Franken1.com Metadata Fix
 Table filter: *USRLIBL, BOATS

Page 1 of 1 | Jump to page: 1 | Total: 58

Table	Description	Action
BOATS.BOATS	Available BOATS	
BOATS.BOATS1	Available boats by length	
BOATS.PCFILS	PC files needed by BOATS WSG Demo	
BOATS.QCLSRC		
BOATS.QCMDSRC		
BOATS.QDDSSRC		
BOATS.QRNCVTLG		
BOATS.QRPGLESRC		
BOATS.QRPGSRC		
JOLAB.QCLSRC		
JOLAB.QCMDSRC		
QGPL.ALLPTFLST	Output file for DSPPTF	
QGPL.MOBILE_DEMO_COGS_AND_REV		
QGPL.MOBILE_DEMO_REV_COGS_SS		

- Insert
- Update
- Quick View
- Find Record
- Run SQL

Menu

Tables
 Connection: IBM Toolbox for Java - common1.Frankenl.com Metadata Fix
 Table filter: *USRLIBL, BOATS

Page 1 of 1 | Jump to page: 1 | Total: 58

Table	Description	Action
BOATS.BOATS	Available BOATS	Insert Update Quick view Find Record Run SQL
BOATS.BOATS1	Available boats by length	
BOATS.PCFILES	PC files needed by BOATS WSG Demo	
BOATS.QCLSRC		
BOATS.QCMDSRC		
BOATS.QDDSSRC		
BOATS.QRNCVTLG		
BOATS.QRPGLESRC		
BOATS.QRPGSRC		
JOLAB.QCLSRC		
JOLAB.QCMDSRC		
QGPL.ALLPTFLST	Output file for DSPPTF	
QGPL.MOBILE_DEMO_COGS_AND_REV		
QGPL.MOBILE_DEMO_REV_COGS_SS		

Menu

Find Record
 Specify column values to find the record to view.

Column	Type	Value	Description
CUSNUM	NUMERIC (6,0)	<input type="text"/>	Customer number field
LSTNAM	CHAR (8)	<input type="text"/>	Last name field
INIT	CHAR (3)	<input type="text"/>	First and middle initial field
STREET	CHAR (13)	<input type="text"/>	Street address field
CITY	CHAR (6)	<input type="text"/>	City field
STATE	CHAR (2)	<input type="text"/>	State abbreviation field
ZIPCOD	NUMERIC (5,0)	<input type="text"/>	Zip code field
CDTLMT	NUMERIC (4,0)	<input type="text"/>	Credit limit field
CHGCOD	NUMERIC (1,0)	<input type="text"/>	Charge code field
BALDUE	NUMERIC (6,2)	<input type="text"/>	Balance due field
CDTDUE	NUMERIC (6,2)	<input type="text"/>	Credit due field

Find Record

[Database help](#)
 View help for finding a database table record.

Menu

Find Record

Page 1 of 1 | Jump to page: 1 | Total: 2

Action	CUSNUM	LSTNAM	INIT	STREET	CITY	STATE	ZIPCOD	CDTLMT	CHGCOD	BALDUE	CDTDUE
	846283	Alison	J S	787 Lake Dr	Isle	MN	56342	5000	3	10.00	0.00
	583990	Abraham	M T	392 Mill St	Isle	MN	56342	9999	3	500.00	0.00

Page 1 of 1 | Jump to page: 1 | Total: 2

Menu

Insert Record

To insert a record, specify column values and click Insert Record. [?](#)

Column	Type	Value	Description
CUSNUM	NUMERIC (6,0)	<input type="text" value="0"/>	Customer number field
LSTNAM	CHAR (8)	<input type="text"/>	Last name field
INIT	CHAR (3)	<input type="text"/>	First and middle initial field
STREET	CHAR (13)	<input type="text"/>	Street address field
CITY	CHAR (6)	<input type="text"/>	City field
STATE	CHAR (2)	<input type="text"/>	State abbreviation field
ZIPCOD	NUMERIC (5,0)	<input type="text" value="0"/>	Zip code field
CDTLMT	NUMERIC (4,0)	<input type="text" value="0"/>	Credit limit field
CHGCOD	NUMERIC (1,0)	<input type="text" value="0"/>	Charge code field
BALDUE	NUMERIC (6,2)	<input type="text" value="0"/>	Balance due field
CTDUE	NUMERIC (6,2)	<input type="text" value="0"/>	Credit due field

Menu

Select Records to Update

Specify column values, to select which records you want to update. [?](#)

Column	Type	Value	Description
CUSNUM	NUMERIC (6,0)	<input type="text"/>	Customer number field
LSTNAM	CHAR (8)	<input type="text"/>	Last name field
INIT	CHAR (3)	<input type="text"/>	First and middle initial field
STREET	CHAR (13)	<input type="text"/>	Street address field
CITY	CHAR (6)	<input type="text"/>	City field
STATE	CHAR (2)	<input type="text"/>	State abbreviation field
ZIPCOD	NUMERIC (5,0)	<input type="text"/>	Zip code field
CDTLMT	NUMERIC (4,0)	<input type="text"/>	Credit limit field
CHGCOD	NUMERIC (1,0)	<input type="text"/>	Charge code field
BALDUE	NUMERIC (6,2)	<input type="text"/>	Balance due field
CTDUE	NUMERIC (6,2)	<input type="text"/>	Credit due field

Menu

Update Record

To update the record, change column values and click Update Record. [?](#)

Column	Type	Value	Description
CUSNUM	NUMERIC (6,0)	<input type="text" value="846283"/>	Customer number field
LSTNAM	CHAR (8)	<input type="text" value="Alison"/>	Last name field
INIT	CHAR (3)	<input type="text" value="J S"/>	First and middle initial field
STREET	CHAR (13)	<input type="text" value="787 Lake Dr"/>	Street address field
CITY	CHAR (6)	<input type="text" value="Isle"/>	City field
STATE	CHAR (2)	<input type="text" value="MN"/>	State abbreviation field
ZIPCOD	NUMERIC (5,0)	<input type="text" value="56342"/>	Zip code field
CDTLMT	NUMERIC (4,0)	<input type="text" value="5000"/>	Credit limit field
CHGCOD	NUMERIC (1,0)	<input type="text" value="3"/>	Charge code field
BALDUE	NUMERIC (6,2)	<input type="text" value="10.00"/>	Balance due field
CTDUE	NUMERIC (6,2)	<input type="text" value="0.00"/>	Credit due field

Menu

Records to Update

Filter on page

Page 1 of 1 | Jump to page: | Total: 2

Action	CUSNUM	LSTNAM	INIT	STREET	CITY	STATE	ZIPCOD	CDTLMT	CHGCOD	BALDUE	CTDUE
<input type="button" value="Update"/>	846283	Alison	J S	787 Lake Dr	Isle	MN	56342	5000	3	10.00	0.00
<input type="button" value="Confirm Delete Request"/>				392 Mill St	Isle	MN	56342	9999	3	500.00	0.00

Jump to page: | Total: 2

Menu

Quick View of QIWS.QCUSTCDT

Filter on page

Page 1 of 1 Jump to page: Total: 12

CUSNUM	LSTNAM	INIT	STREET	CITY	STATE	ZIPCOD	CDTLMT	CHGCOD	BALDUE	CDTDUE
938472	Henning	G K	4859 Elm Ave	Dallas	TX	75217	5000	3	37.00	0.00
839283	Jones	B D	21B NW 135 St	Clay	NY	13041	400	1	100.00	0.00
392859	Vine	S S	PO Box 79	Broton	VT	5046	700	1	439.00	0.00
938485	Johnson	J A	3 Alpine Way	Helen	GA	30545	9999	2	3987.50	33.50
397267	Tyron	W E	13 Myrtle Dr	Hector	NY	14841	1000	1	0.00	0.00
389572	Stevens	K L	208 Snow Pass	Denver	CO	80226	400	1	58.75	1.50
846283	Alison	J S	787 Lake Dr	Isle	MN	56342	5000	3	10.00	0.00
475938	Doe	J W	59 Archer Rd	Sutter	CA	95685	700	2	250.00	100.00
693829	Thomas	A N	3 Dove Circle	Casper	WY	82609	9999	2	0.00	0.00
593029	Williams	E D	485 SE 2 Ave	Dallas	TX	75218	200	1	25.00	0.00
192837	Lee	F L	5963 Oak St	Hector	NY	14841	700	2	489.50	0.50
583990	Abraham	M T	392 Mill St	Isle	MN	56342	9999	3	500.00	0.00

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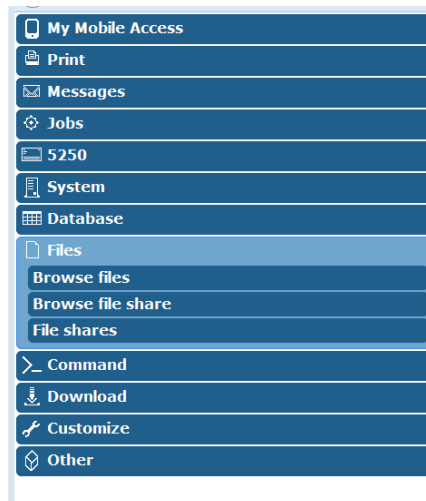
- IBM i Mobile Access Database:
 - Run SQL statements
 - Create SQL Query Wizard
 - Import Queries
 - Work with IBM i Database Tables

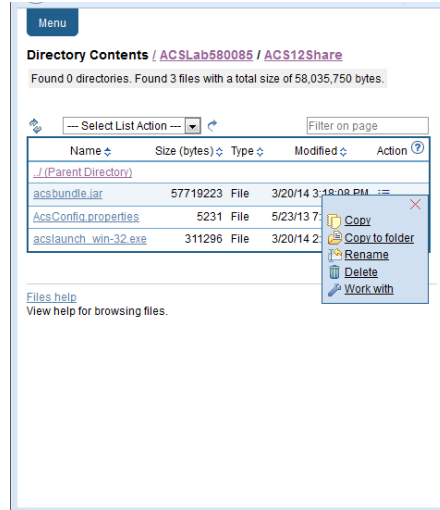
Files



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

- Overview
- Major Functions
 - 5250
 - Print
 - Database
 - File System



Session Evaluation



October 5 - 7, 2015
Westin Beach Resort
Fort Lauderdale, Florida

Home > Fall Conference And Expo > Educational Sessions

2015 Fall Conference - Education

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Educational Sessions Include:

Schedule > Speakers > Exhibitors > Attendees > Expo



Wayne A. Bowers
IBM
Software Engineer
Rochester, MN

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Tuesday, October 6

- 8:00am 31BB IBM i 7.2 Networking Enhancements Overview
- 11:00am 33AB Let's Get Mobile - 5250, Database, Print and more on the Go
- 2:00pm 34AE Beyond SSL: IBM i OS Transport Security
- 5:00pm 36AF Networking on IBM i - Next Steps

Session Evaluation

Speakers



Wayne A. Bowers
Software Engineer, IBM

Wayne Bowers has been with IBM since 1997, where he works with the IBM i Global Support Center in

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IBM benchmark results can be found in the IBM Power Systems Performance Report at http://www.ibm.com/systems/p/hardware/system_perf.html.

All performance measurements were made with AIX or AIX 5L operating systems unless otherwise indicated to have used Linux. For new and upgraded systems, AIX Version 4.3, AIX 5L or AIX 6 were used. All other systems used previous versions of AIX. The SPEC CPU2006, SPEC2000, LINPACK, and Technical Computing benchmarks were compiled using IBM's high performance C, C++, and FORTRAN compilers for AIX 5L and Linux. For new and upgraded systems, the latest versions of these compilers were used: XL C Enterprise Edition V7.0 for AIX, XL C/C++ Enterprise Edition V7.0 for AIX, XL FORTRAN Enterprise Edition V9.1 for AIX, XL C/C++ Advanced Edition V7.0 for Linux, and XL FORTRAN Advanced Edition V9.1 for Linux. The SPEC CPU95 (retired in 2000) tests used preprocessors, KAP 3.2 for FORTRAN and KAP/C 1.4.2 from Kuck & Associates and VAST-2 v4.01x8 from Pacific-Sierra Research. The preprocessors were purchased separately from these vendors. Other software packages like IBM ESSL for AIX, MASS for AIX and Kazushige Goto's BLAS Library for Linux were also used in some benchmarks.

For a definition/explanation of each benchmark and the full list of detailed results, visit the Web site of the benchmark consortium or benchmark vendor.

TPC	http://www.tpc.org
SPEC	http://www.spec.org
LINPACK	http://www.netlib.org/benchmark/performance.pdf
Pro/E	http://www.proe.com
GPC	http://www.spec.org/gpc
NotesBench	http://www.notesbench.org
VolanoMark	http://www.volano.com
STREAM	http://www.cs.virginia.edu/stream/
SAP	http://www.sap.com/benchmark/
Oracle Applications	http://www.oracle.com/apps_benchmark/
PeopleSoft - To get information on PeopleSoft benchmarks, contact PeopleSoft directly	
Siebel	http://www.siebel.com/crm/performance_benchmark/index.shtml
Baan	http://www.ssaglobal.com
Microsoft Exchange	http://www.microsoft.com/exchange/evaluation/performance/default.asp
Veritest	http://www.veritest.com/clients/reports
Fluent	http://www.fluent.com/software/fluent/index.htm
TOP500 Supercomputers	http://www.top500.org/
Ideas International	http://www.ideasinternational.com/benchmark/bench.html
Storage Performance Council	http://www.storageperformance.org/results

Revised January 15, 2008

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For a definition/explanation of each benchmark and the full list of detailed results, visit the Web site of the benchmark consortium or benchmark vendor.

SPEC	http://www.spec.org
LINPACK	http://www.netlib.org/benchmark/performance.pdf
Pro/E	http://www.proe.com
GPC	http://www.spec.org/gpc
STREAM	http://www.cs.virginia.edu/stream/
Veritest	http://www.veritest.com/clients/reports
Fluent	http://www.fluent.com/software/fluent/index.htm
TOP500 Supercomputers	http://www.top500.org
AMBER	http://amber.scripps.edu
FLUENT	http://www.fluent.com/software/fluent/fl5bench/index.htm
GAMESS	http://www.msg.chem.iastate.edu/games
GAUSSIAN	http://www.gaussian.com
ABAQUS	http://www.abaqus.com/support/sup_tech_notes64.html
ANSYS	http://www.ansys.com/services/hardware_support/index.htm
ECLIPSE	http://www.sis.slb.com/content/software/simulation/index.asp?seq=geoquest&
MM5	http://www.mmm.ucar.edu/mm5/
MSC.NASTRAN	http://www.mscsoftware.com/support/prod%5Fsupport/nastran/performance/v04_sngl.cfm
STAR-CD	www.cd-adapco.com/products/STAR-CD/performance/320/index/html
NAMD	http://www.ks.uiuc.edu/Research/namd
HMMER	http://hmmer.janelia.org/
	http://powerdev.osuosl.org/project/hmmerAllvecGen2mod

Revised January 15, 2008

- **rPerf for AIX**
- **rPerf (Relative Performance)** is an estimate of commercial processing performance relative to other IBM UNIX systems. It is derived from an IBM analytical model which uses characteristics from IBM internal workloads, TPC and SPEC benchmarks. The rPerf model is not intended to represent any specific public benchmark results and should not be reasonably used in that way. The model simulates some of the system operations such as CPU, cache and memory. However, the model does not simulate disk or network I/O operations.
- **rPerf estimates** are calculated based on systems with the latest levels of AIX and other pertinent software at the time of system announcement. Actual performance will vary based on application and configuration specifics. The IBM eServer pSeries 640 is the baseline reference system and has a value of 1.0. Although rPerf may be used to approximate relative IBM UNIX commercial processing performance, actual system performance may vary and is dependent upon many factors including system hardware configuration and software design and configuration. Variations in incremental system performance may be observed in commercial workloads due to changes in the underlying system architecture.
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- =====
- **CPW for IBM i**
- **Commercial Processing Workload (CPW)** is a relative measure of performance of processors running the IBM i operating system. Performance in customer environments may vary. The value is based on maximum configurations. More performance information is available in the Performance Capabilities Reference at: www.ibm.com/systems/i/solutions/perfmgmt/resource.html

Revised April 2, 2007