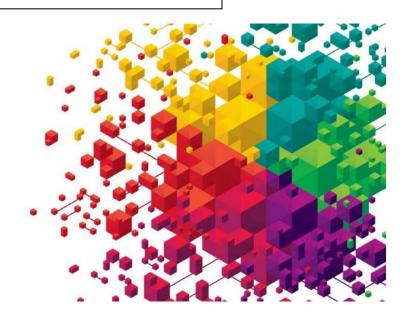


## Accessing your IBM i from anywhere

Tim Rowe
Architect Systems Management
timmr@us.ibm.com



## **Agenda**

- Introduction
- Overview
- Getting Started
- Demo
  - Management
  - Print
  - Database
  - -5250
  - IFS
  - Customize



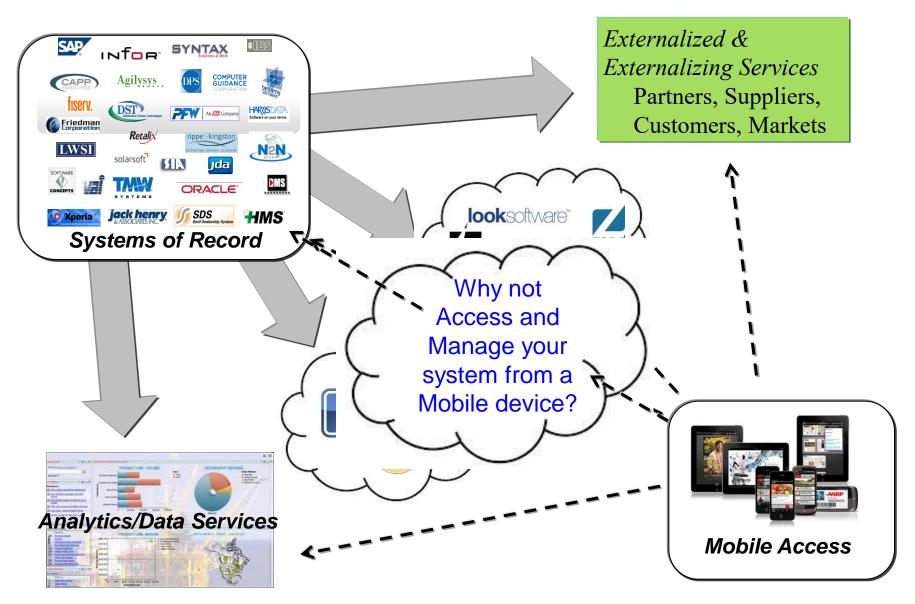






There are 7.1 billion people on the planet
6 billion of them have access to mobile phones,
only 3.5 billion of them have a toothbrush

### Extending the value of Systems of Record



#### **BYOD**

- Bring Your Own Device (BYOD)
- Do you use your own personal device for work ?
- Company provide a specific device type for you to use?
  - A Logicalis research study from Feb 2013 found that almost 75% of users in high-growth markets use personal devices for work
  - The same study finds that in mature developed markets the number of BYOD users to be closer to 44%

"Gartner Predicts by 2017, Half of Employers will Require Employees to Supply Their Own Device for Work Purposes "
http://www.gartner.com/newsroom/id/2466615"



#### **BYOD Options**

- Installed
  - Write custom for each supported mobile device
  - Write once, leverage something like Apache Cordova or PhoneGap to provide the native install
- Not Installed
  - Web Based solution
  - Write once accessible from ANY web enabled mobile device

## **IBM i Mobile Access Overview**



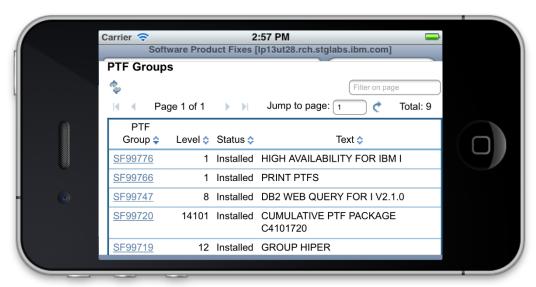
- We have been hearing the need for an IBM i OS management and usage tool that is optimized for a mobile device environment.
  - The IBM Navigator for i interface is optimized for full screen desktop web browsers
  - IBM i Access for Web is also optimized for full screen desktop browsers and has lacked some key management views
  - The last reduced screen footprint solution that IBM i OS had was IBM i Access for Wireless, or Management Central Pervasive
- On April 28th, 2014, IBM announced the Technology Preview of the IBM i Mobile Access solution to begin addressing the need in this environment.
  - Multiple updates since



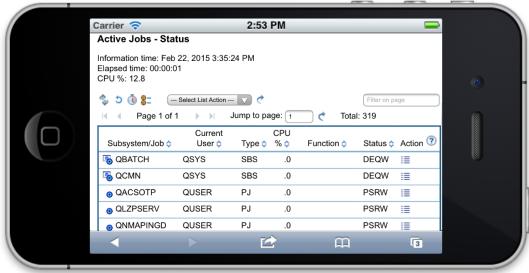
• My Mobile Access home page running on an iPad Mini & iPad

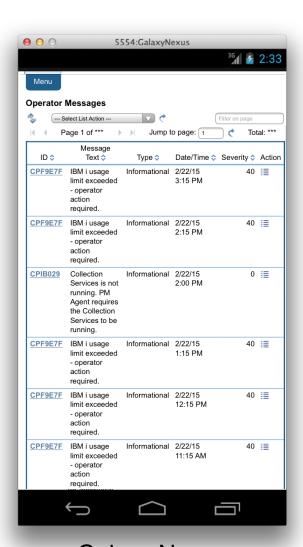


#### IBM i Mobile Access Screens



iPhone 4





**Galaxy Nexus** 

- This IBM i Mobile Access web browser based solution optimized for mobile footprint
- 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: Getting Started



- The IBM i Mobile Access Solution Technology Preview 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 Technology Preview will be updated via PTFs to Access for Web
    - Requires minimum GA PTF SI52768 for 5770XH2
    - What you see today is in PTF SI54619 for 5770XH2

- The IBM i Mobile Access Solution is designed to be integrated into the IBM i OS \*ADMIN HTTP Server environment
  - Requires latest 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)
      - > ENDTCPSVR SERVER(\*IAS) INSTANCE(ADMIN5)
    - ADMIN5 runs on port 2011

- Deployed with a simple 2 parameter CL or QShell command
  - CL command in QIWA2 Library
    - CFGACCWEB2 APPSVRTYPE(\*INTAPPSVR) INSTANCE(\*MOBILE)
  - QShell command in /QIBM/ProdData/Access/Web2/install
    - cfgaccweb –appsvrtype \*INTAPPSVR –instance \*MOBILE

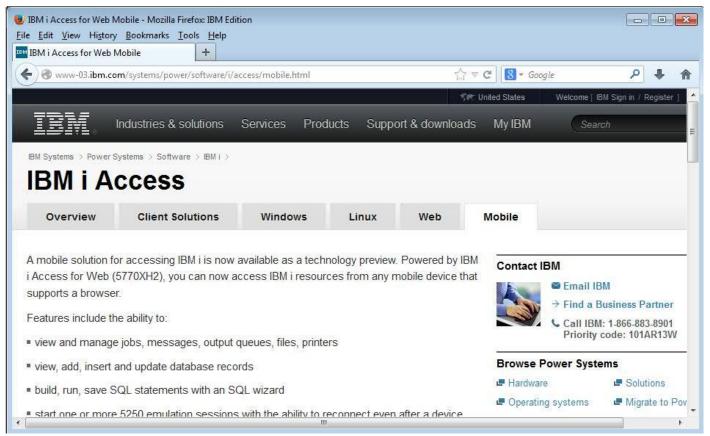
 It can be deployed on other IBM Integrated Appplication Server instances or other Web Application Server types like WebSphere Application Server, though additional customization is required

- Connected to via a simple URL from HTTP \*ADMIN port 2001
  - <a href="http://system:2001/iamobile">http://system:2001/iamobile</a>
- 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 on this location



## IBM i Mobile Access Demo



## **Demonstration Systems Provided By:**



IBM i Personal development in the cloud.



IBM i, AIX, Linux on Power commercial hosting in the cloud.

"What applications have you brought to IBM i today?"

Larry Bolhuis Ibolhuis@iInTheCloud.com Pete Massiello pmassiello@iInTheCloud.com

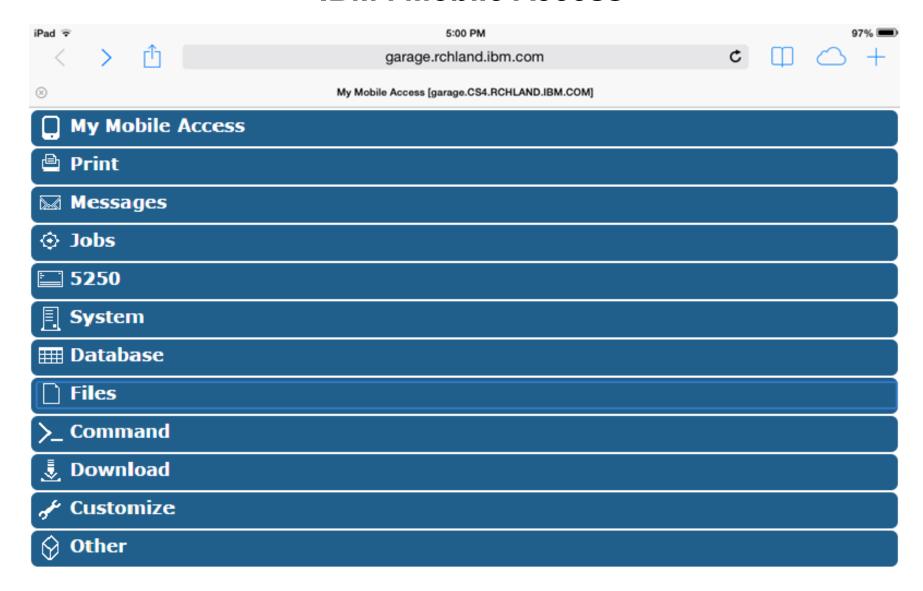




www.frankeni.com

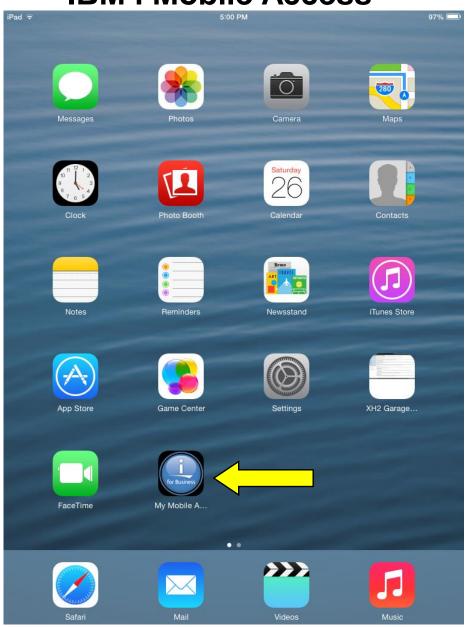


# PEMO TIME!!

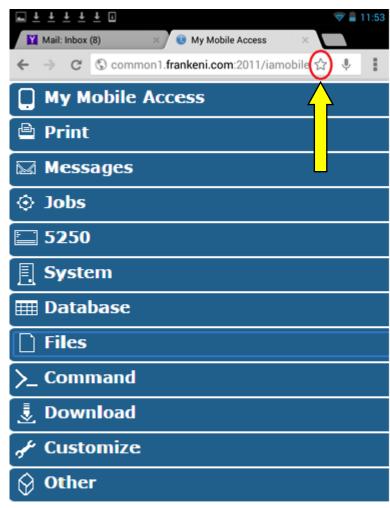






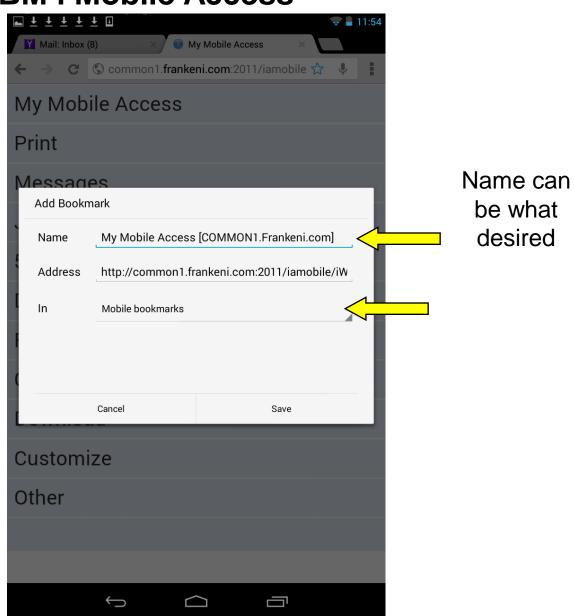


Start by creating a mobile bookmark

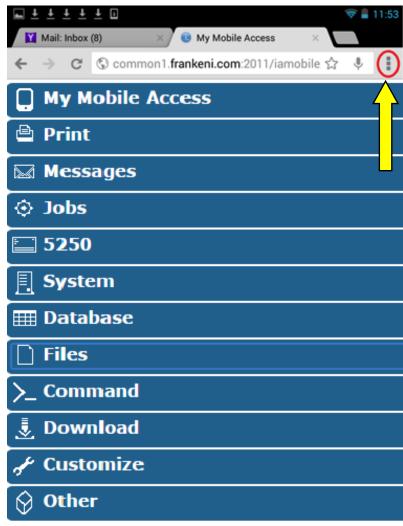


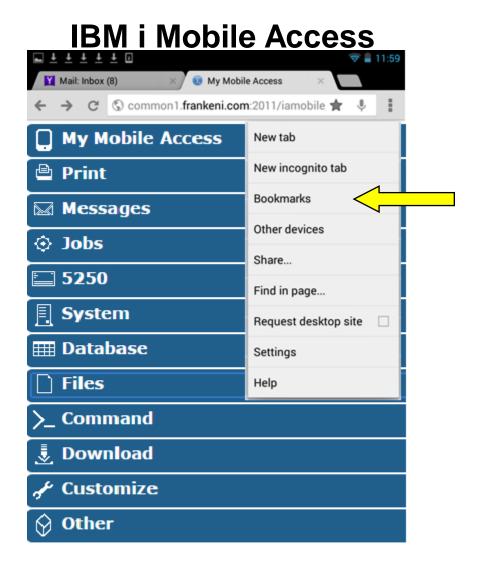


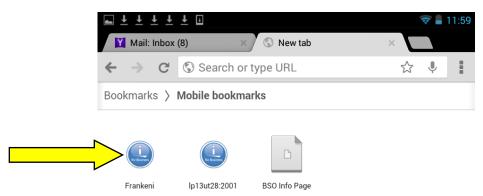
Creating a mobile bookmark



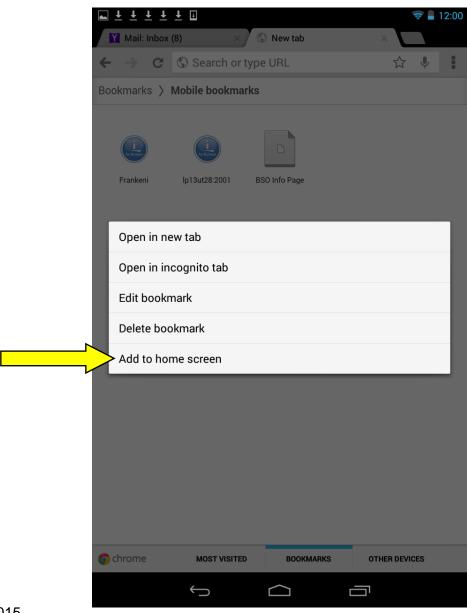
Now add mobile bookmark to Home





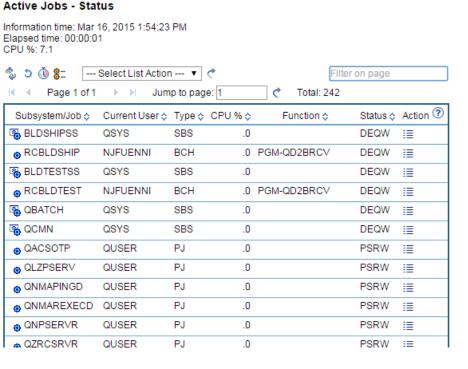


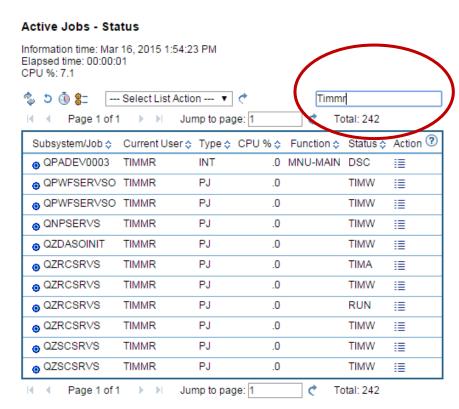


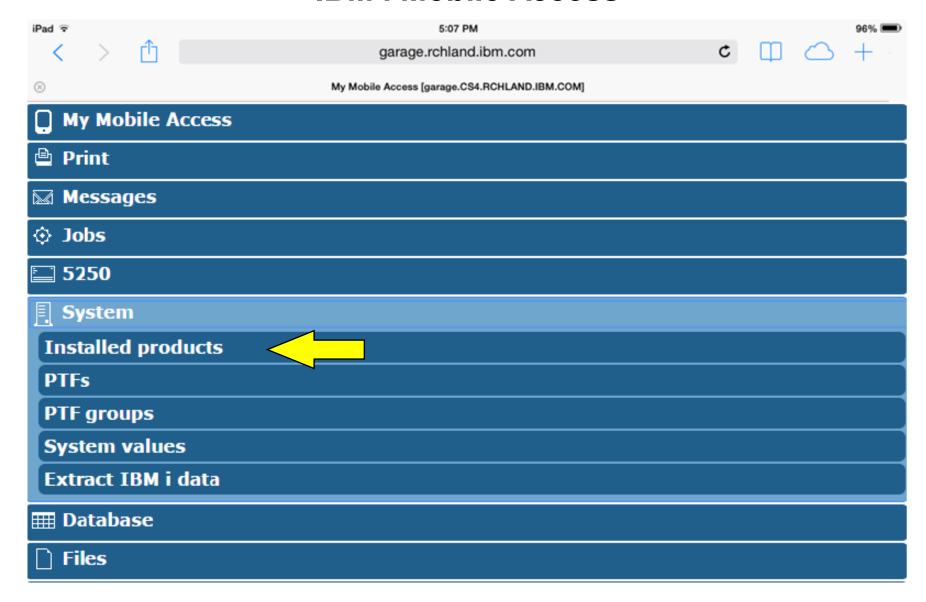


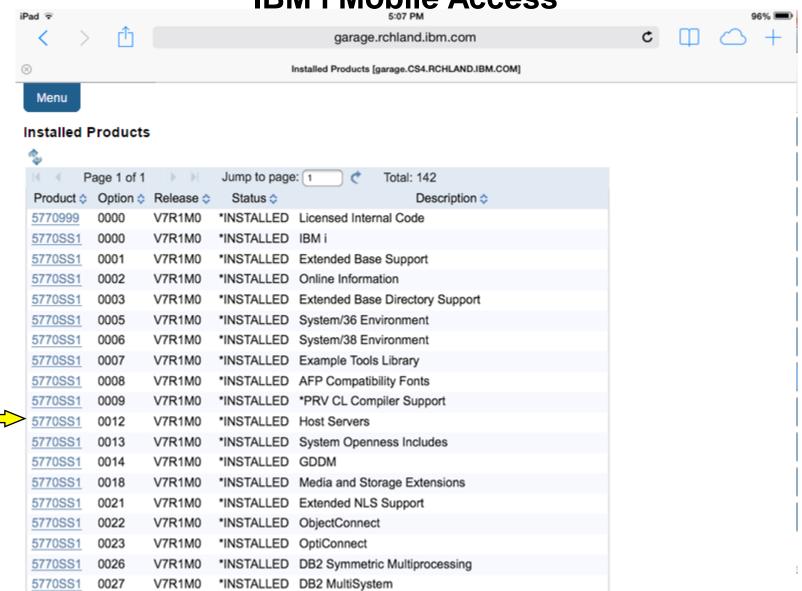
#### **Quick Filter**

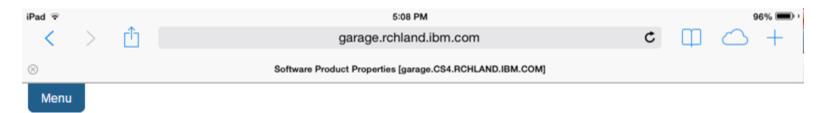
- Every table has a quick filter box
- Text search; all rows; all columns
- List auto updated with data that applies











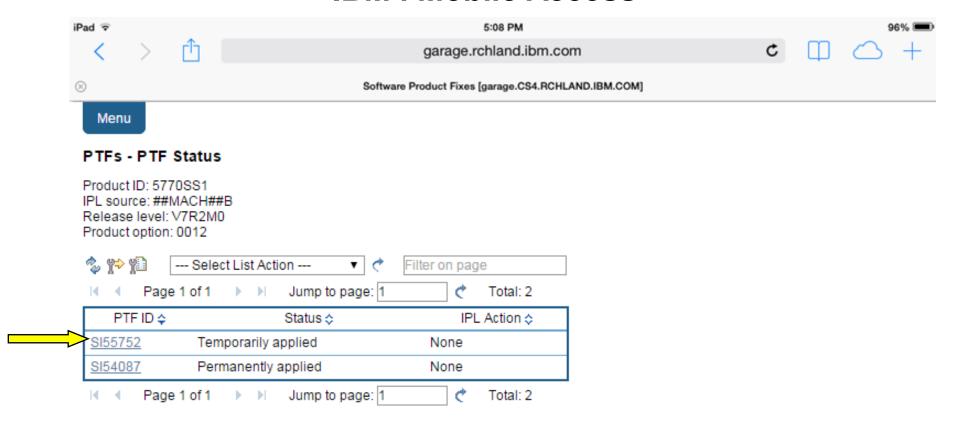
#### **Software Product Properties**

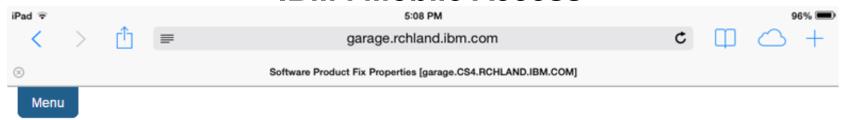
Product ID: 5770SS1 Description: Host Servers V7R2M0 Release: Option: 0012 Feature ID: 5050 \*CODE Feature type Load error: no Load state: 90 2924 Primary language: Registration type: 04

Registration value: 1-800-IBM-SERV Symbolic load state: \*INSTALLED

Requirements met: yes
Minimum target release: V7R2M0
Minimum required release for base: \*MATCH

List software fixes





#### PTF Details

- General information
- Symptom strings
- APARs fixed
- Cover letter

#### **General Information**

 PTF ID:
 SI55752

 Product:
 <u>5770SS1</u>

 Release:
 V7R2M0

On order: No PTF save file: Yes

Status: Temporarily applied

Latest superseding PTF:

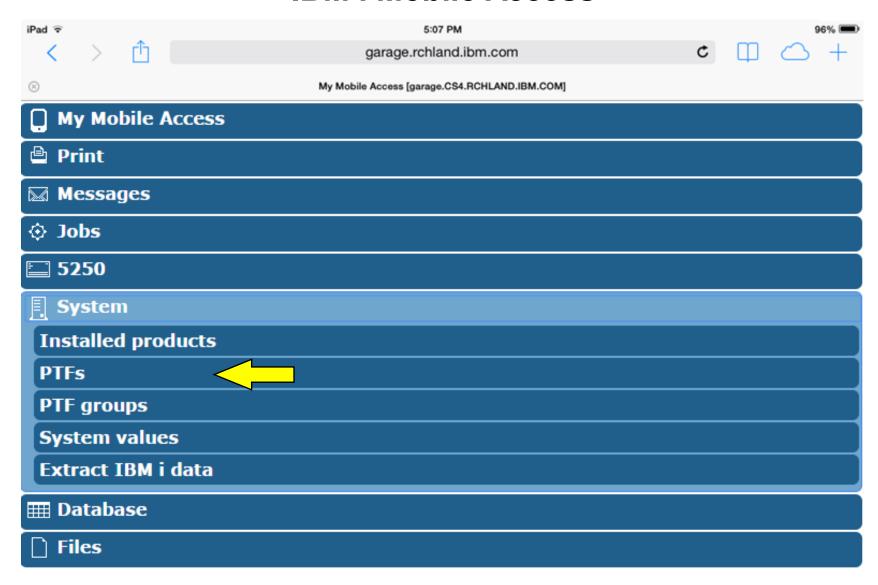
Status date/time: 2/16/15 2:10 PM

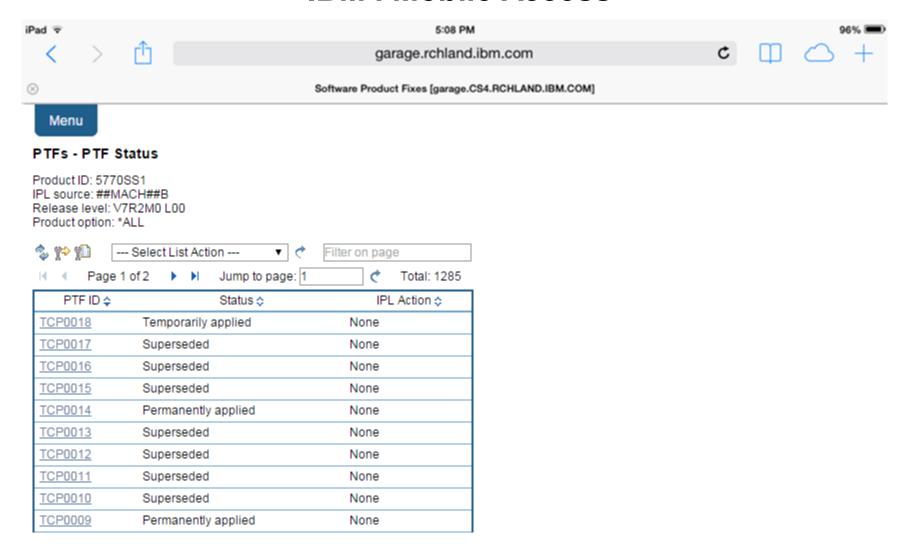
Type: Immediate

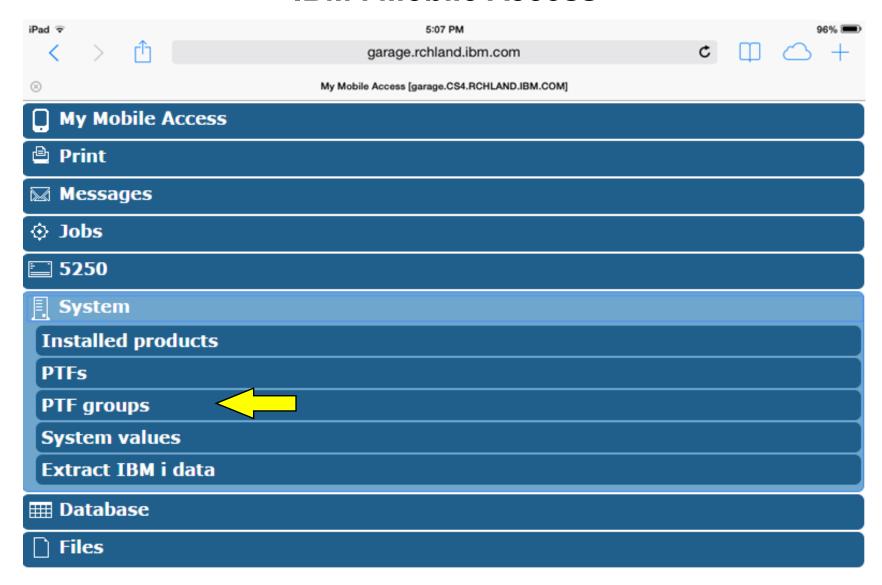
IPL action: None
Option: 0012
Feature: 5050
Cover letter: Yes
Action pending: No
Action required: No

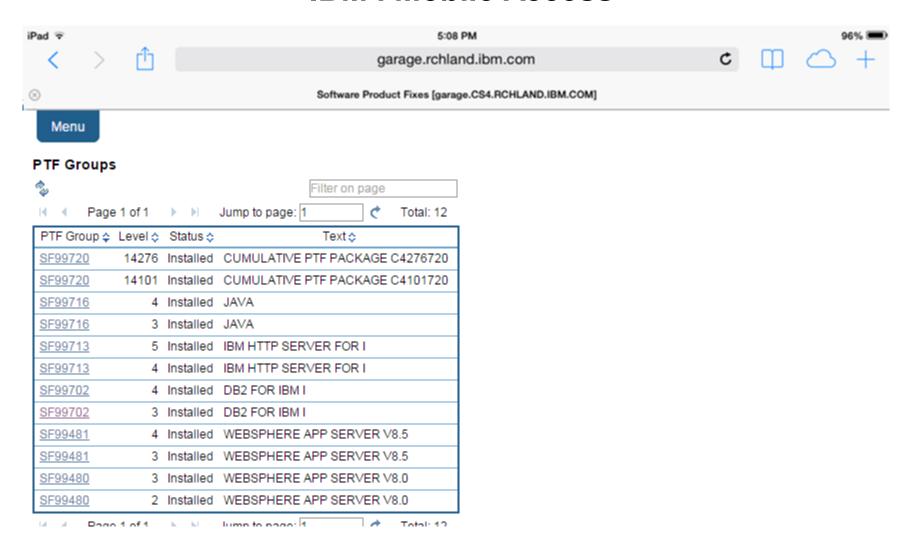
Target release: V7R2M0

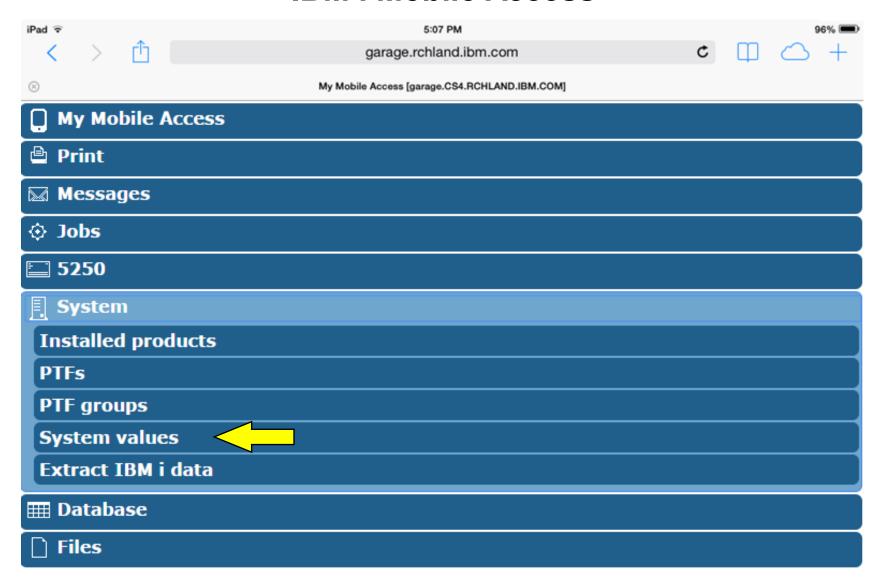
Maximum level:

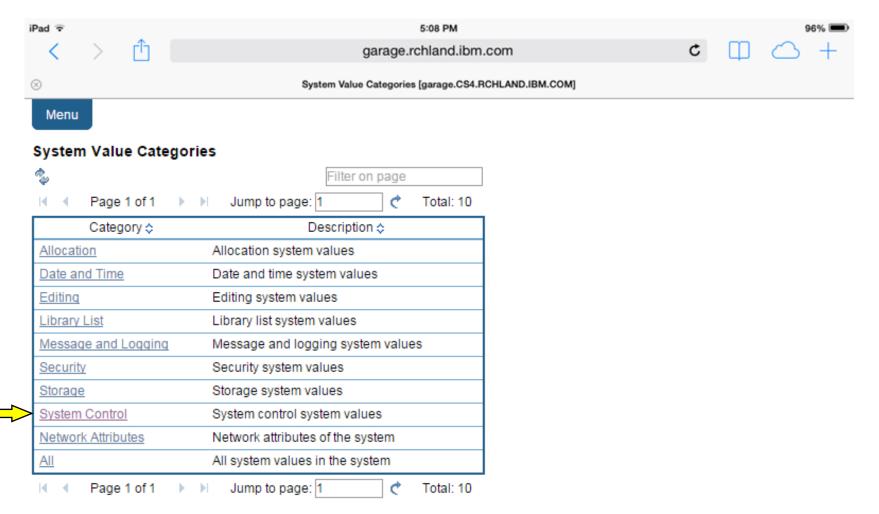


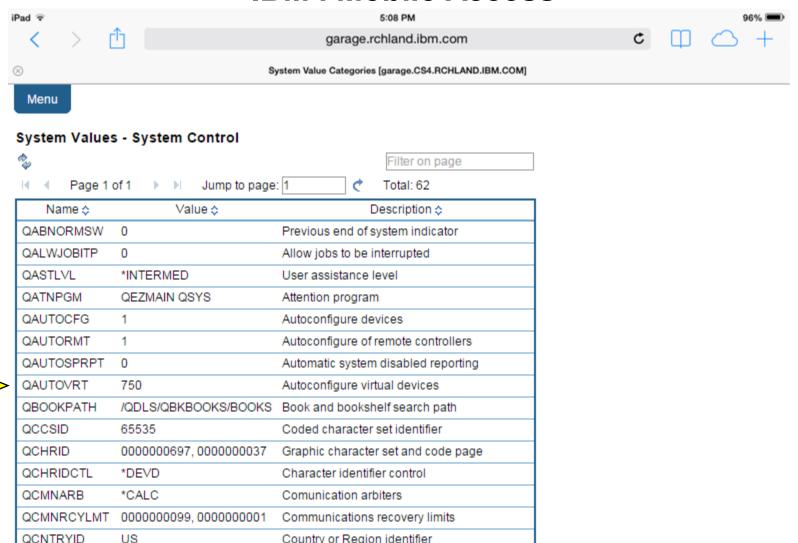


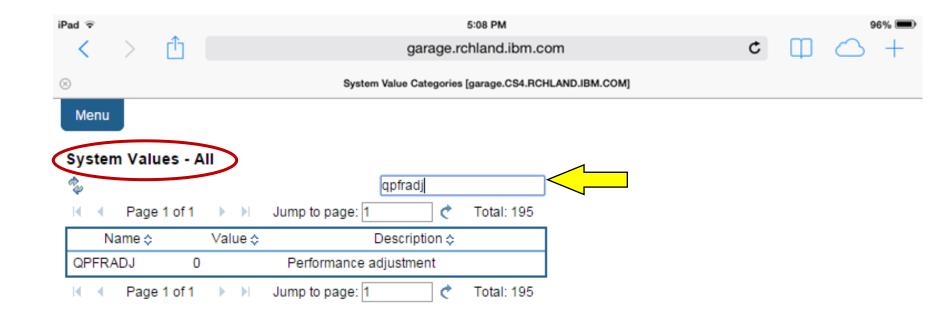


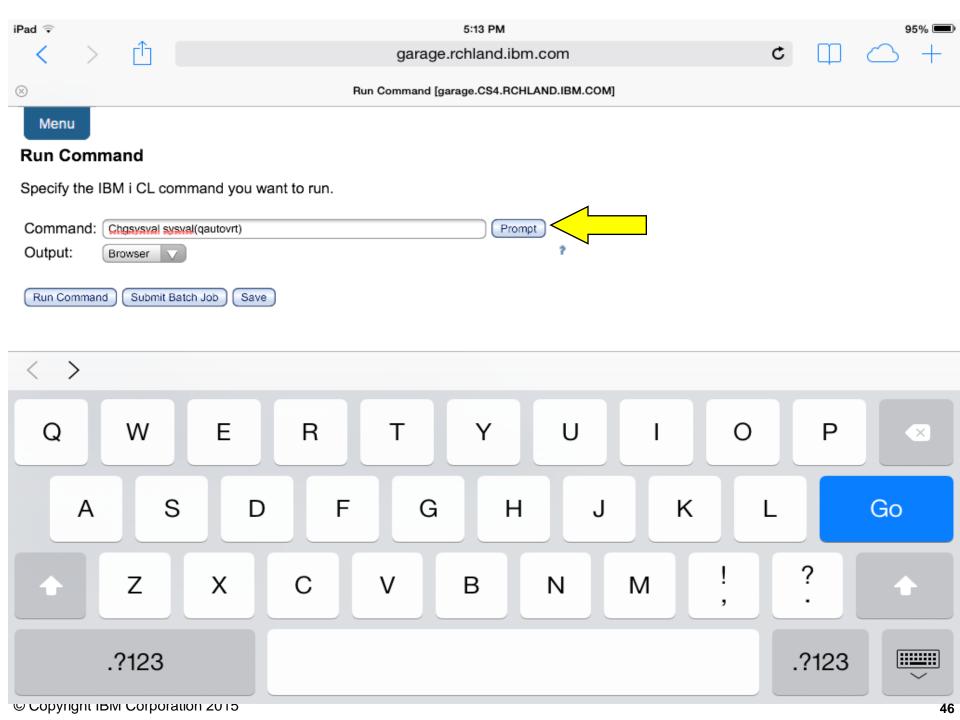




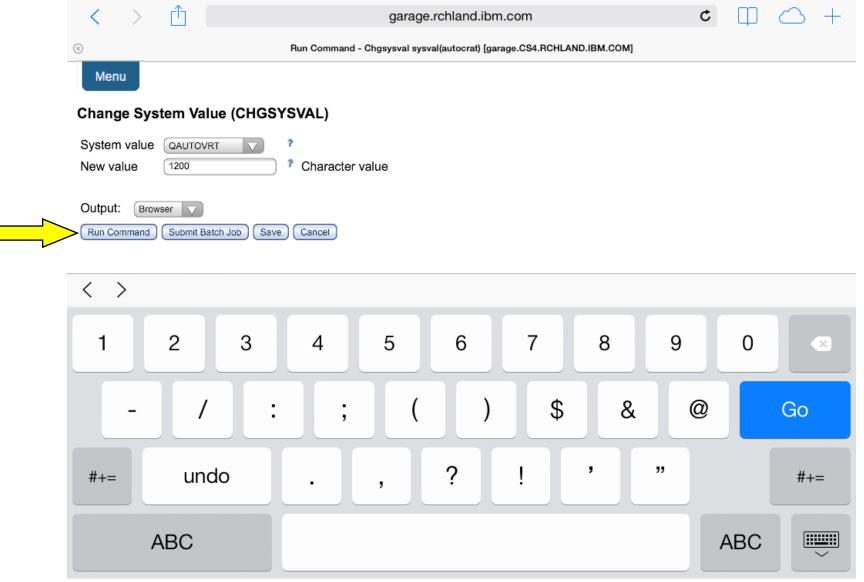








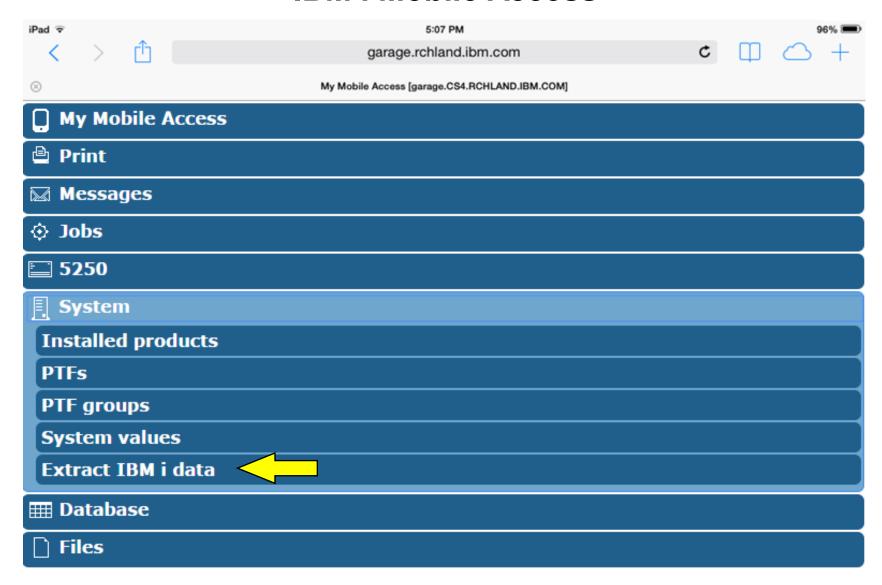
5:11 PM

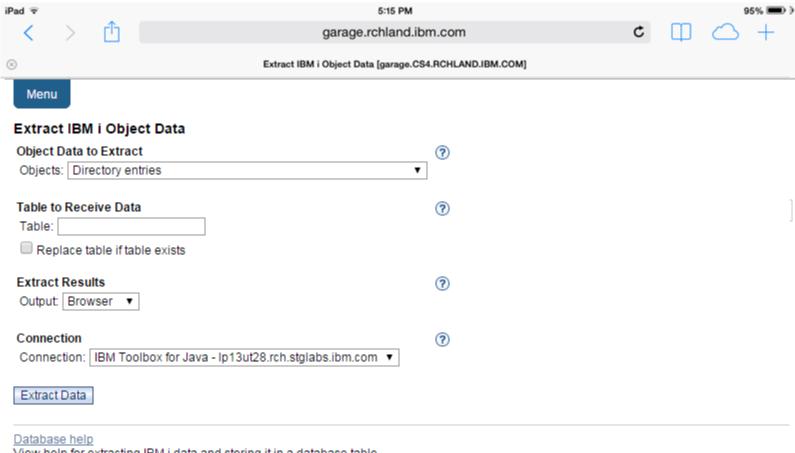


iPad 🤝

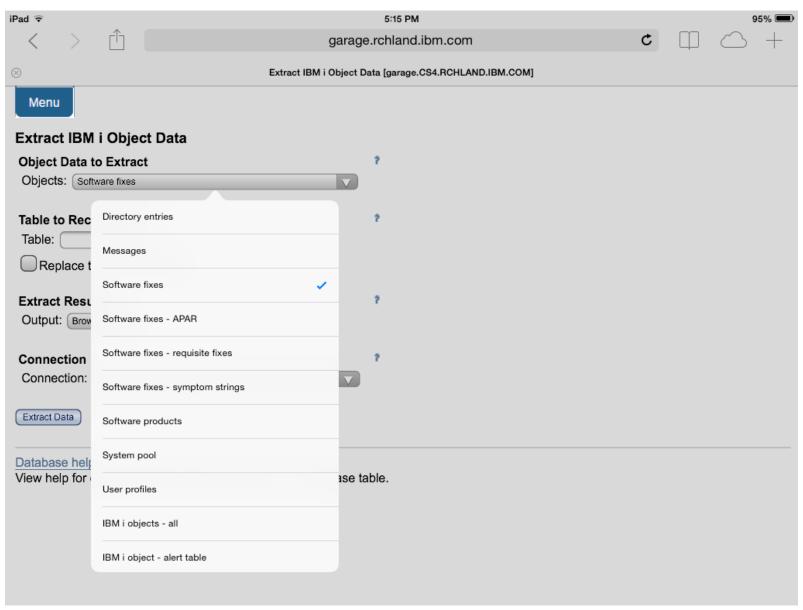


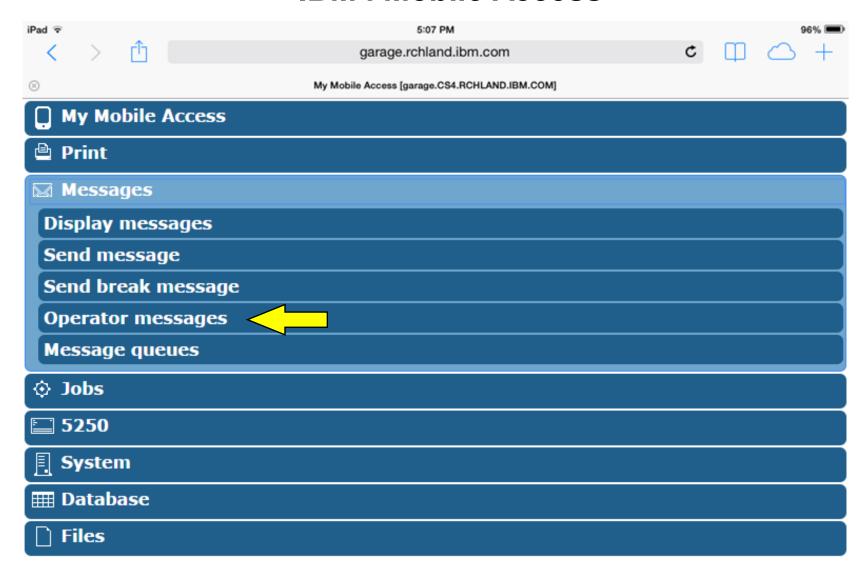
View help for running CL commands.

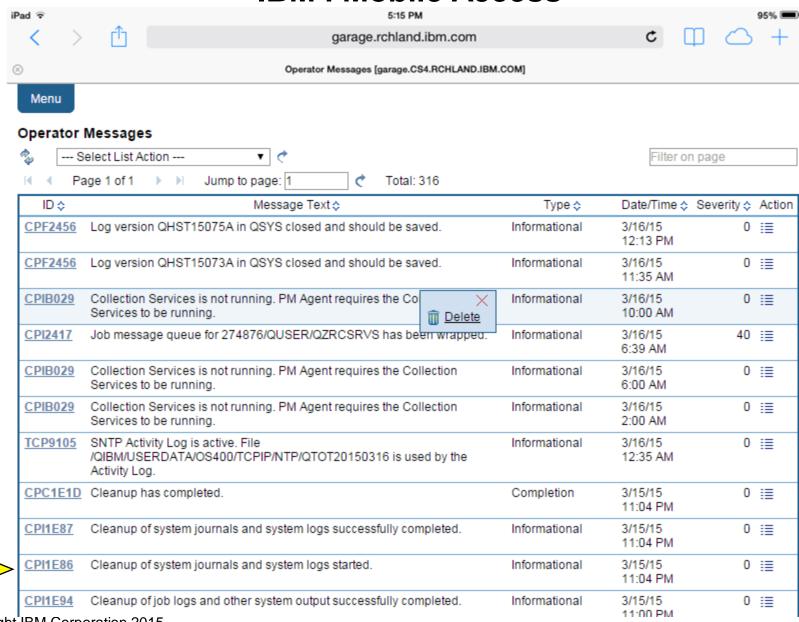




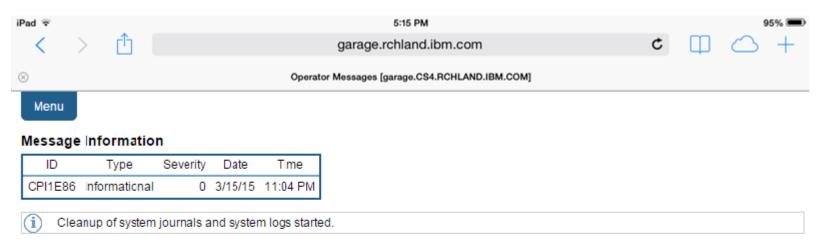
View help for extracting IBM i data and storing it in a database table.



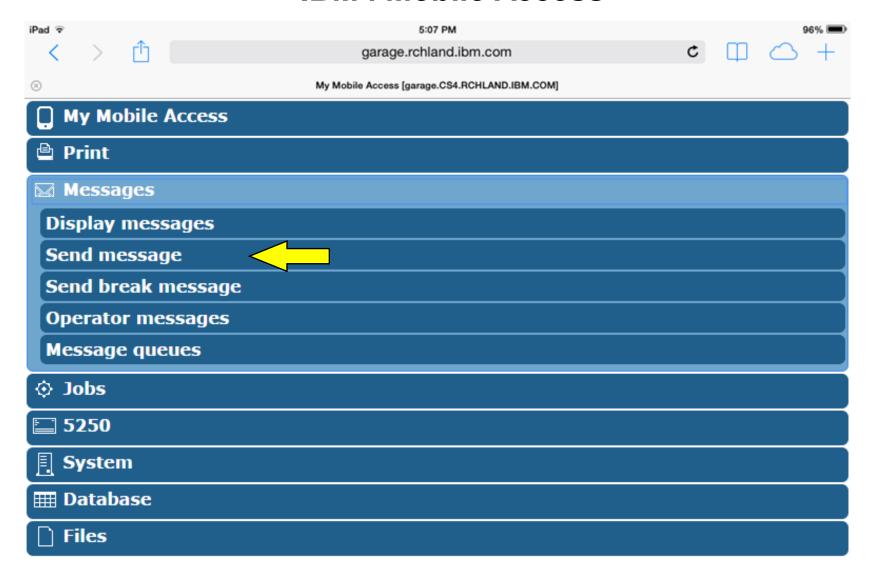


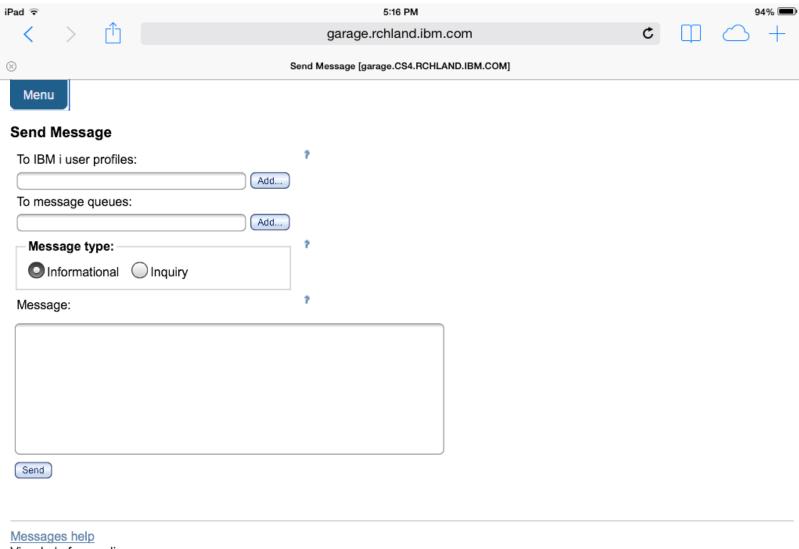




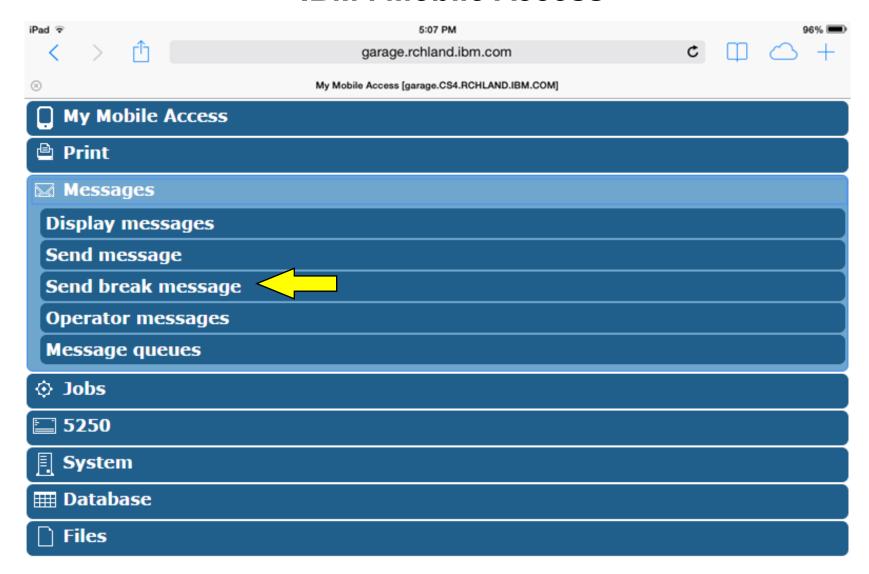


Cause . . . . : If you want to change number of days to keep system journals and system logs or no longer want this particular part of cleanup to run, then use the option to Change cleanup options or the Cleanup Tasks (CLEANUP) menu. If you no longer want cleanup to run, then use the End Cleanup option on the Cleanup Tasks (CLEANUP) menu.



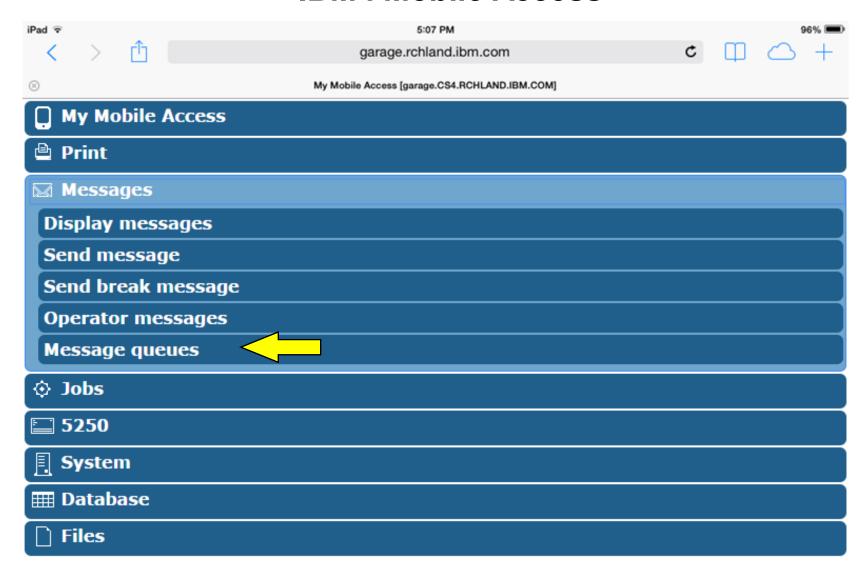


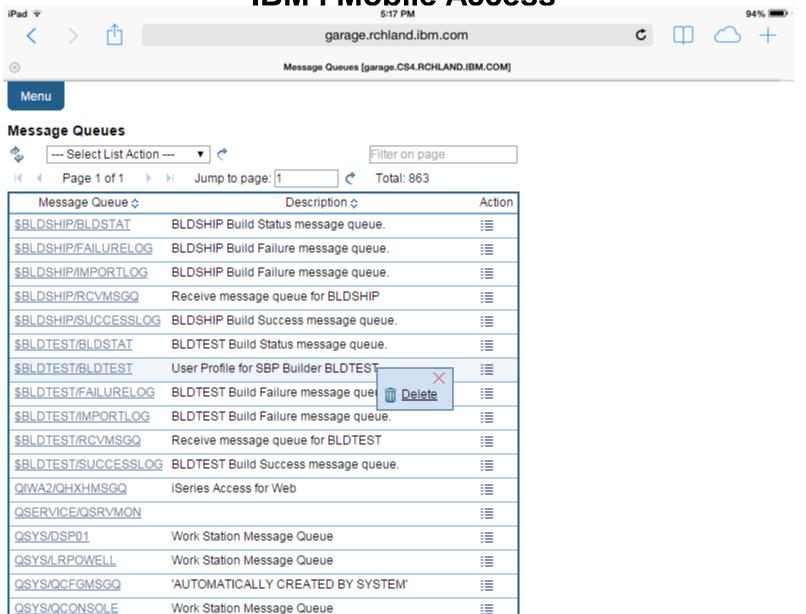
View help for sending messages.

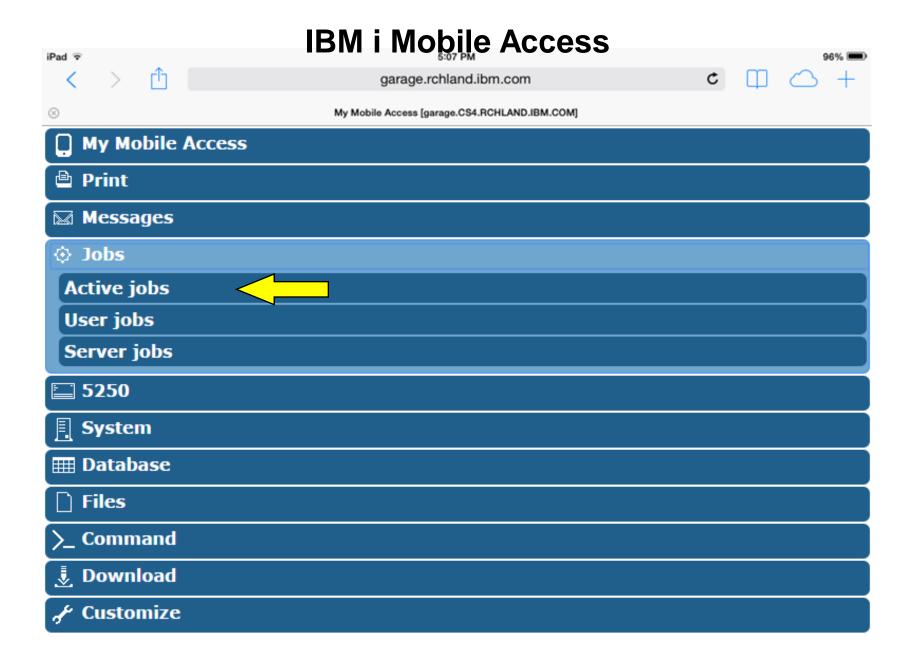




View help for sending break messages.







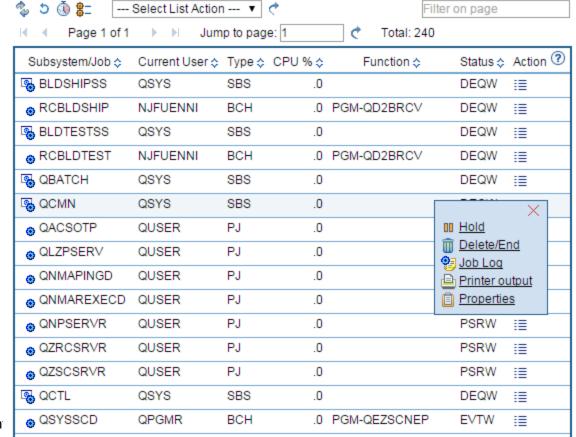


#### Active Jobs - Status

Information time: Mar 16, 2015 1:25:46 PM

Elapsed time: 00:00:01

CPU %: 6.8





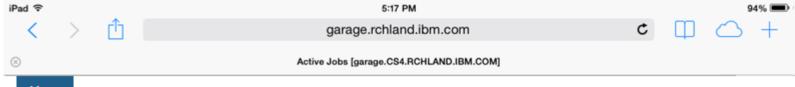
#### Active Jobs - Status

Information time: Mar 16, 2015 1:25:46 PM

Elapsed time: 00:00:01

CPU %: 6.8

	参り③ \$= [	Select List Action 🔻		] ♂		Filter on page		
	nge 1 c	— Select List Action Refresh statistics	on	ge: 1	👌 Total: 2	40		
	Subsystem/Job	Reset statistics Display elapsed d	ata	: CPU%≎	Function $\diamondsuit$	Status 💠	Action 🕙	
	BLDSHIPSS	Display thread data		.0		DEQW	≣	
	RCBLDSHIP	NJFUENNI	BCH	.0	PGM-QD2BRCV	DEQW	≣	
	BLDTESTSS	QSYS	SBS	.0		DEQW	≣	
	RCBLDTEST	NJFUENNI	BCH	.0	PGM-QD2BRCV	DEQW	≣	
	<b>QBATCH</b>	QSYS	SBS	.0		DEQW	≣	
	■ QCMN	QSYS	SBS	.0		DEQW	≣	
	QACSOTP	QUSER	PJ	.0		PSRW	≣	
	g QLZPSERV	QUSER	PJ	.0		PSRW	≣	
	QNMAPINGD	QUSER	PJ	.0		PSRW	iii	
	QNMAREXEC	D QUSER	PJ	.0		PSRW	iii	
	g QNPSERVR	QUSER	PJ	.0		PSRW	≣	
	g QZRCSRVR	QUSER	PJ	.0		PSRW	≣	
	g QZSCSRVR	QUSER	PJ	.0		PSRW	iii	
		QSYS	SBS	.0		DEQW	≣	
h	g QSYSSCD	QPGMR	ВСН	.0	PGM-QEZSCNE	P EVTW	≣	



#### Menu

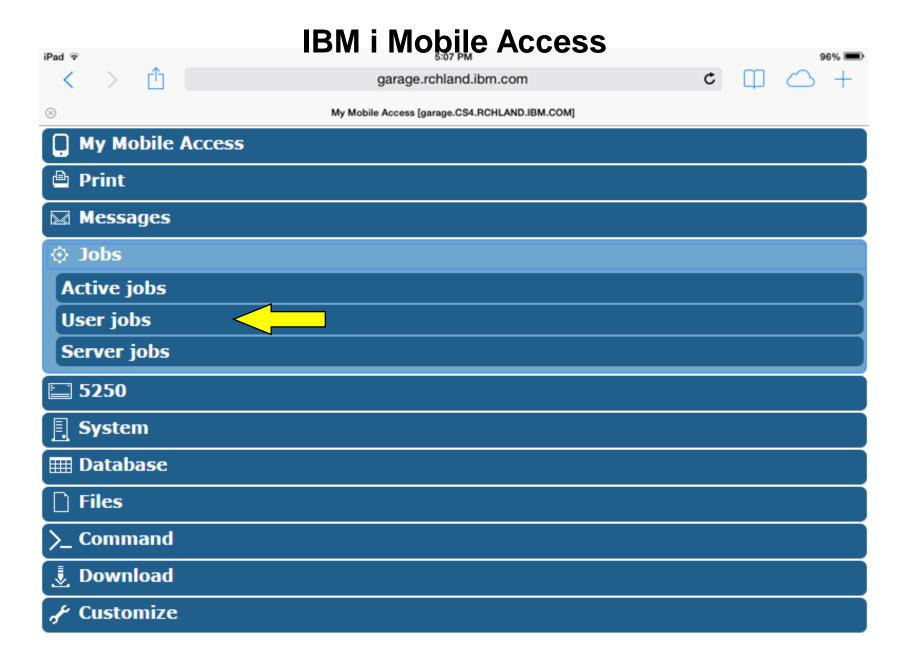
#### Active Jobs - Thread Data

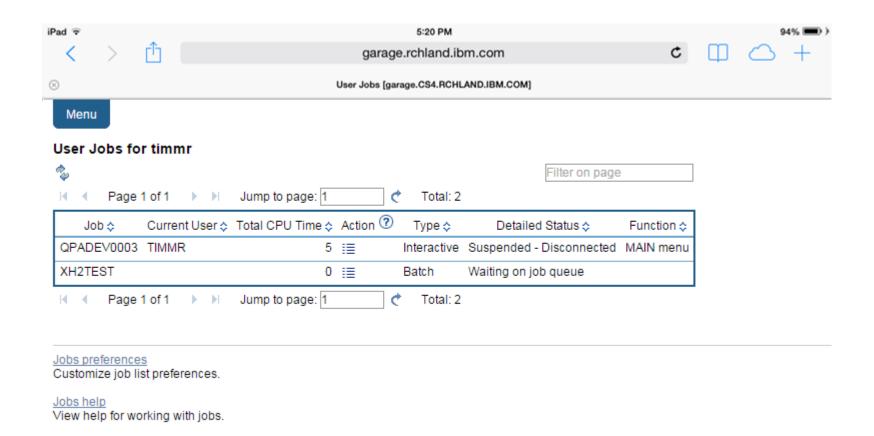
Information time: Mar 16, 2015 1:25:46 PM

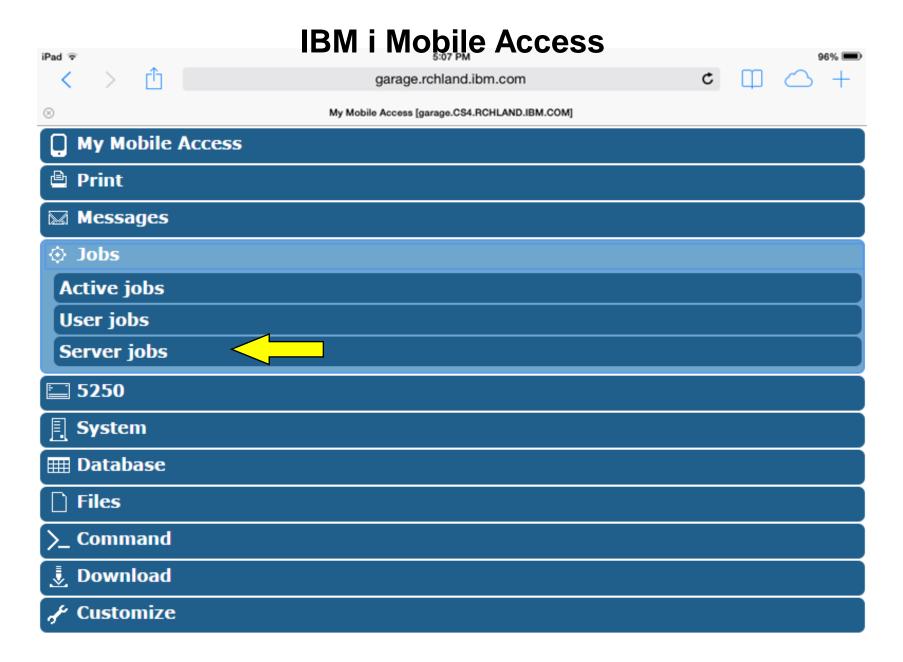
Elapsed time: 00:00:01

CPU %: 6.8

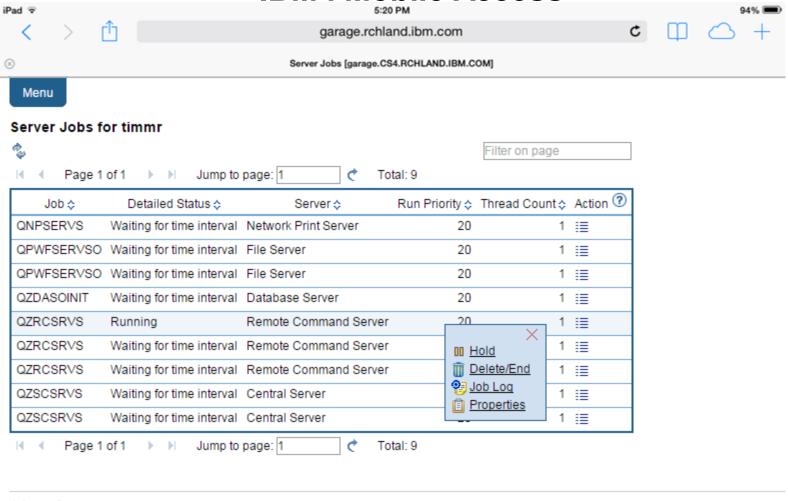
🝫 5 🔊 🐧 🗔	Filter on page												
■ ■ Page 1 of 1 ■ ■ Jump to page: 1													
Subsystem/Job \$	User ≎	Number \$	Туре 💠	CPU % ≎	Threads \$	Temporary St	orage 💠	Action ③					
■ BLDSHIPSS	QSYS	239502	SBS	.0	2		2	≣					
RCBLDSHIP	NJFUENNI	239503	BCH	.0	1		3	≣					
■ BLDTESTSS	QSYS	239500	SBS	.0	2		2	≣					
RCBLDTEST	NJFUENNI	239501	всн	.0	1		3	≣					
■ QBATCH	QSYS	233972	SBS	.0	2		2	≣					
■ QCMN	QSYS	233973	SBS	.0		X	2	≣					
QACSOTP	QUSER	233997	PJ	.0	00 <u>F</u>	( )	0	≣					
QLZPSERV	QUSER	234008	PJ	.0		elete/End	0	≣					
QNMAPINGD	QUSER	233993	PJ	.0		ob Log Printer output	3	≣					
QNMAREXECD	QUSER	233995	PJ	.0		roperties	3	≣					
QNPSERVR	QUSER	234004	PJ	.0	1		4	≣					
QZRCSRVR	QUSER	233998	PJ	.0	1		3	≣					
QZSCSRVR	QUSER	234001	PJ	.0	1		3	≣					
	QSYS	233940	SBS	.0	2		2	≣					
⊕ QSYSSCD	QPGMR	233968	ВСН	.0	1		7	≣					









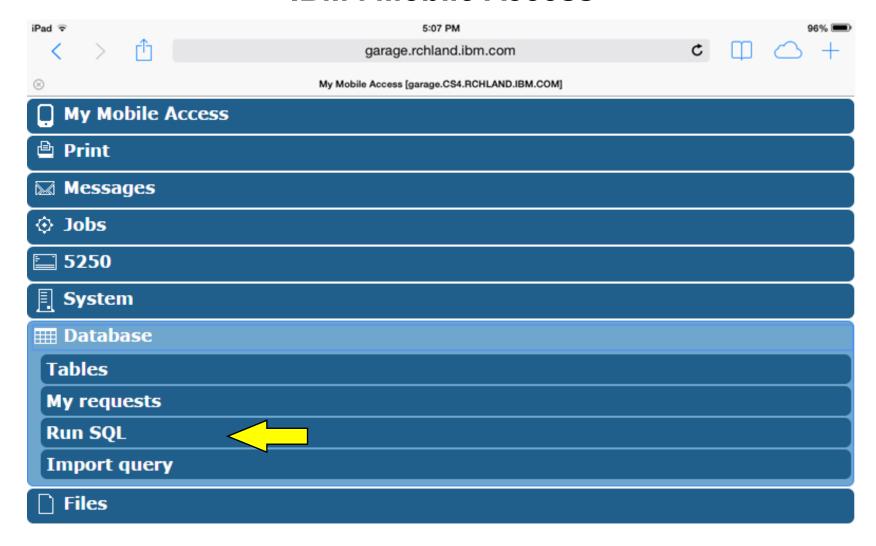


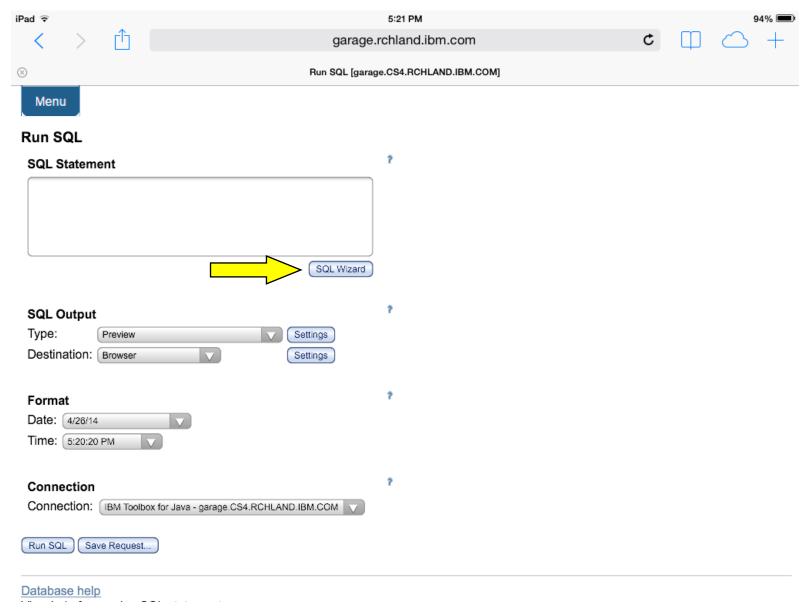
#### Jobs preferences

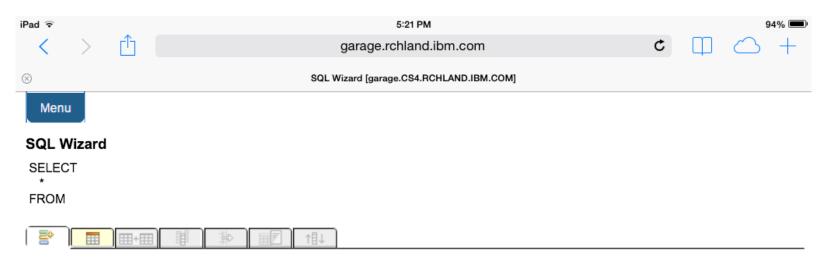
Customize job list preferences.

#### Jobs help

View help for working with jobs.



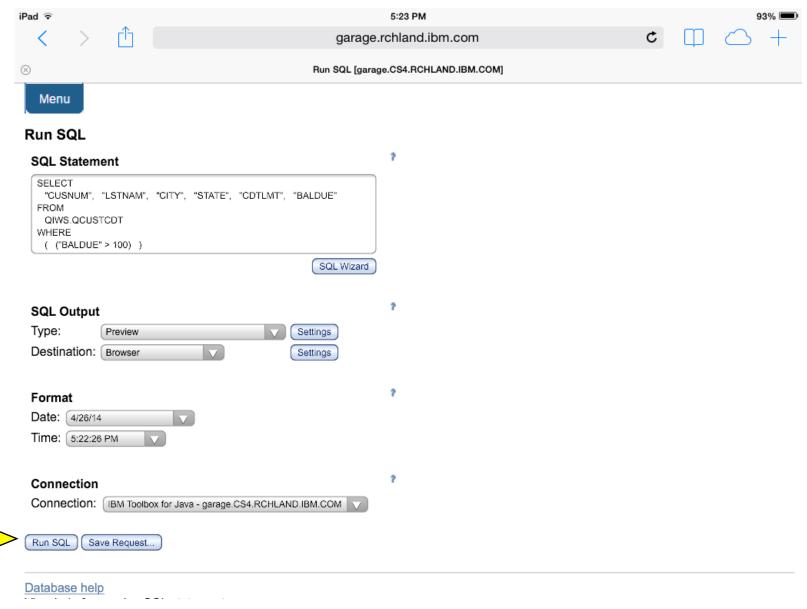


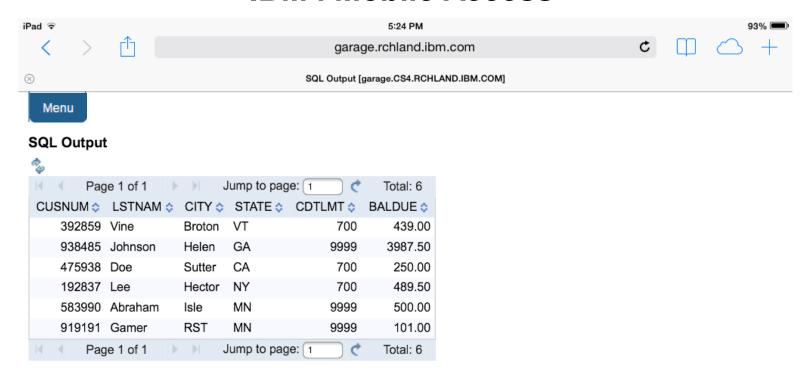


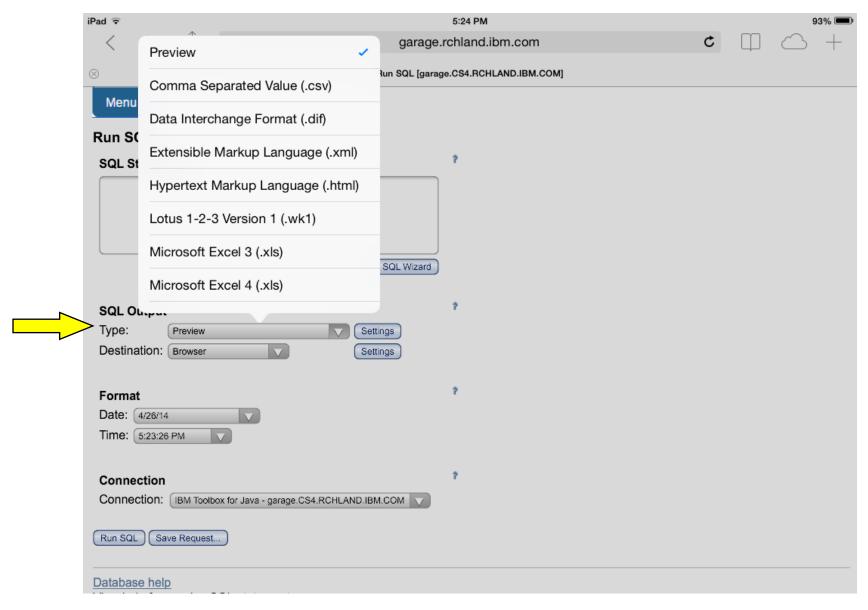
#### Welcome

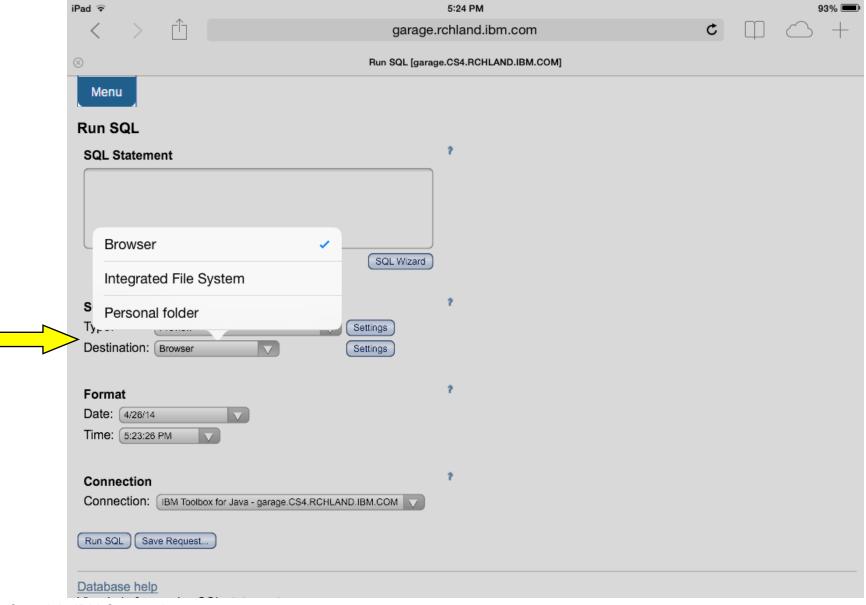
This wizard steps you through creating an SQL select statement.





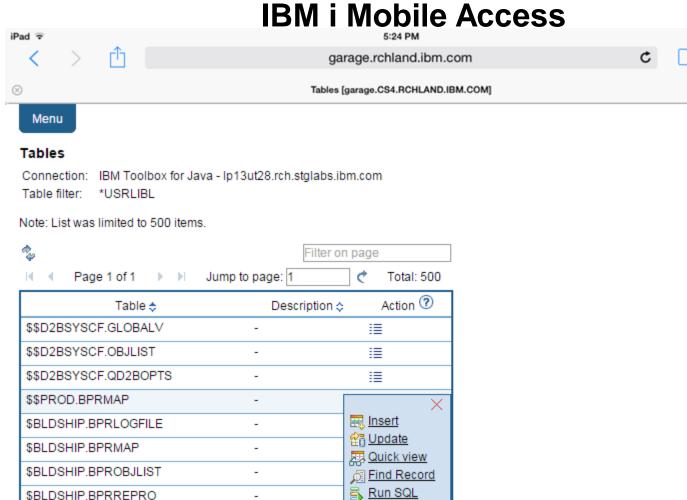












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\$BLDSHIP.BPRTYPE

\$BLDSHIP.BPRVFYERR

\$BLDSHIP.BPRWHERE \$BLDSHIP.CNTRLPTMAP

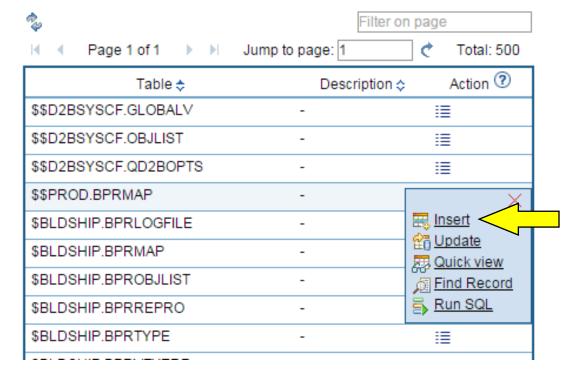


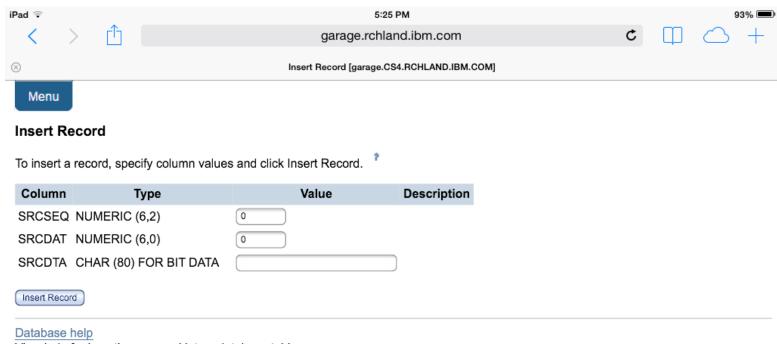
#### Tables

Connection: IBM Toolbox for Java - lp13ut28.rch.stglabs.ibm.com

Table filter: \*USRLIBL

Note: List was limited to 500 items.





View help for inserting a record into a database table.

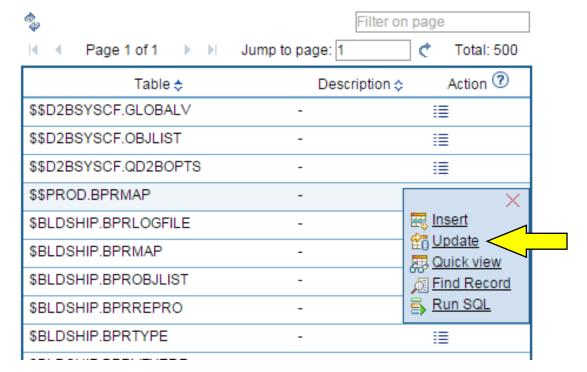


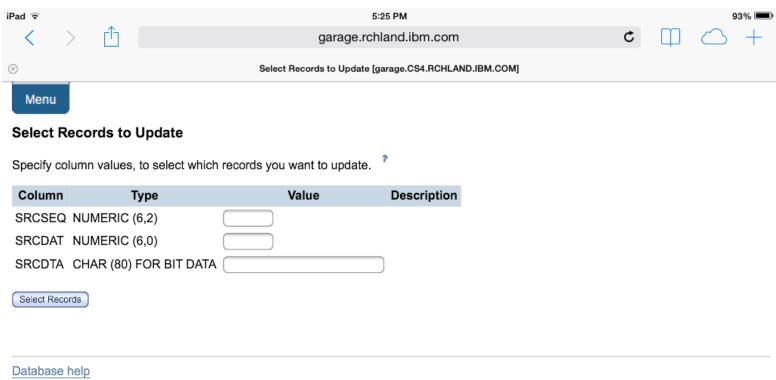
#### Tables

Connection: IBM Toolbox for Java - lp13ut28.rch.stglabs.ibm.com

Table filter: \*USRLIBL

Note: List was limited to 500 items.





View help for updating a database table record.

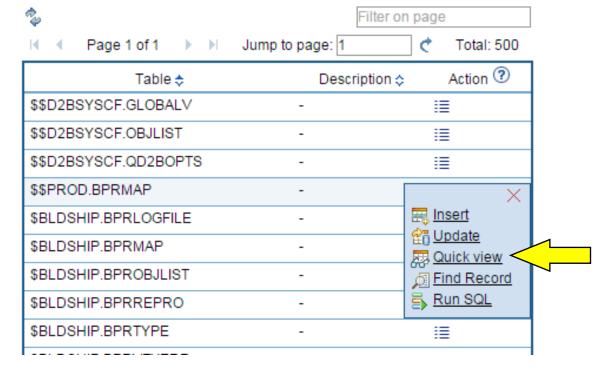


#### **Tables**

Connection: IBM Toolbox for Java - lp13ut28.rch.stglabs.ibm.com

Table filter: \*USRLIBL

Note: List was limited to 500 items.





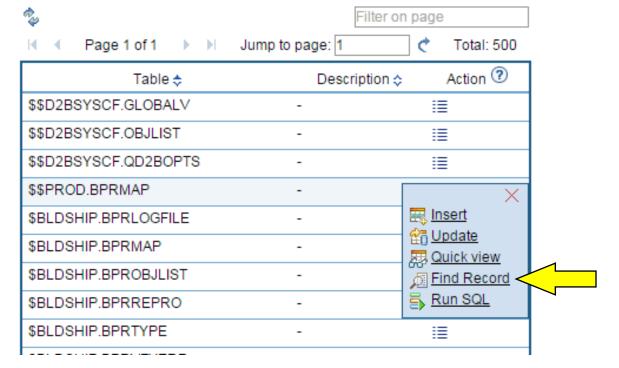


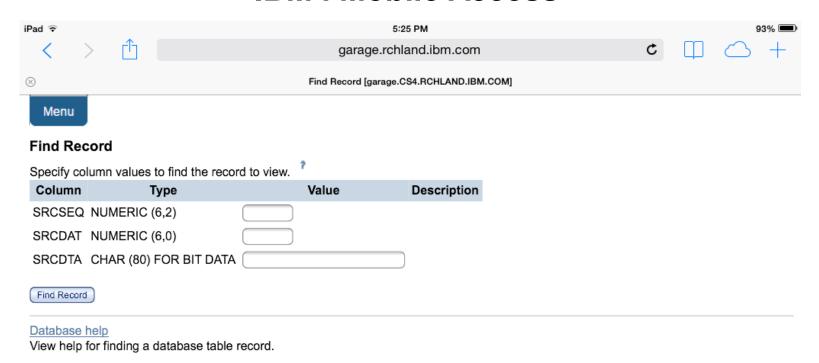
#### Tables

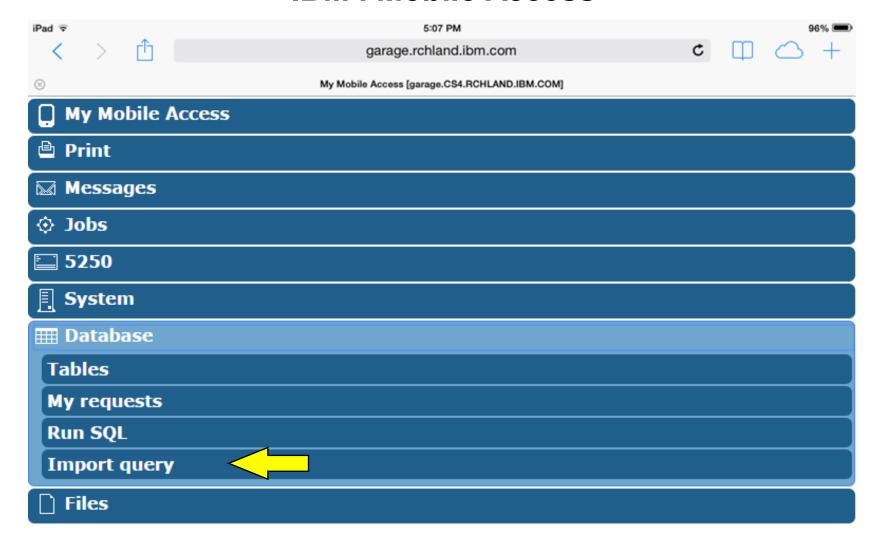
Connection: IBM Toolbox for Java - Ip13ut28.rch.stglabs.ibm.com

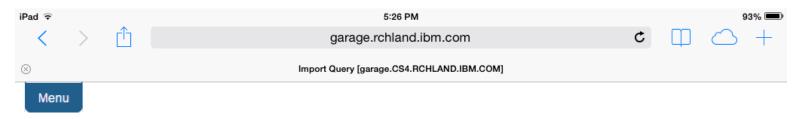
Table filter: \*USRLIBL

Note: List was limited to 500 items.









#### Import Query

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

**Note:** The converted IBM 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:

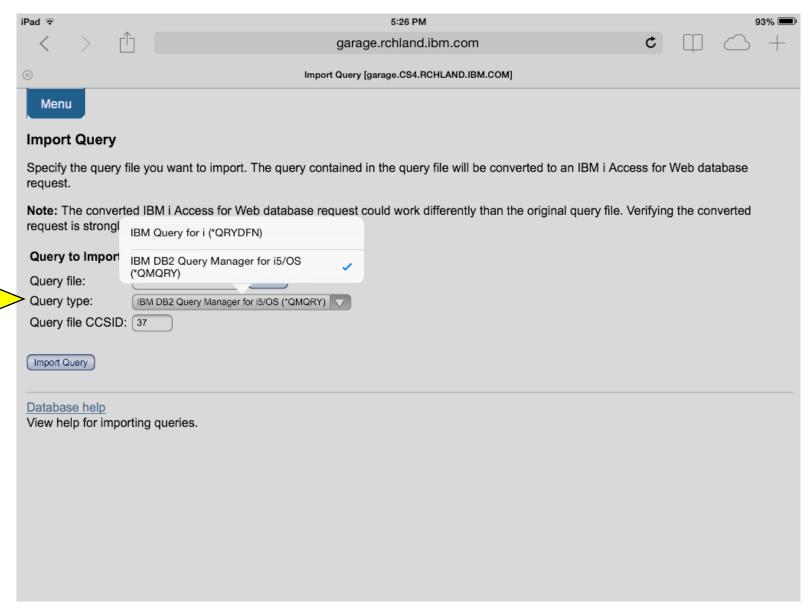
(IBM DB2 Query Manager for I5/OS (\*QMQRY))

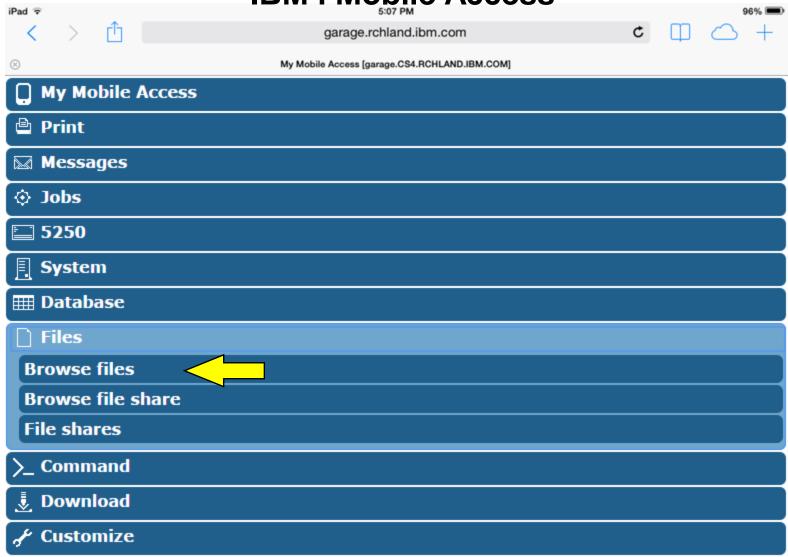
Query file CCSID:

37

#### Database help

View help for importing queries.





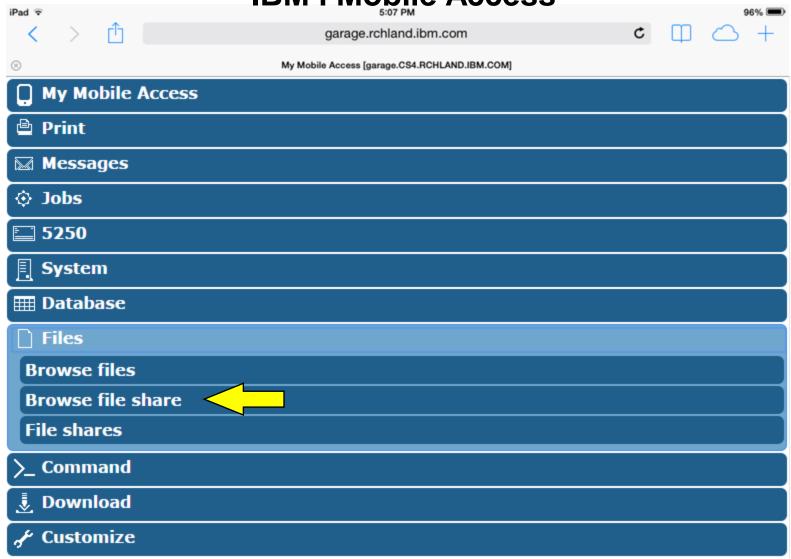


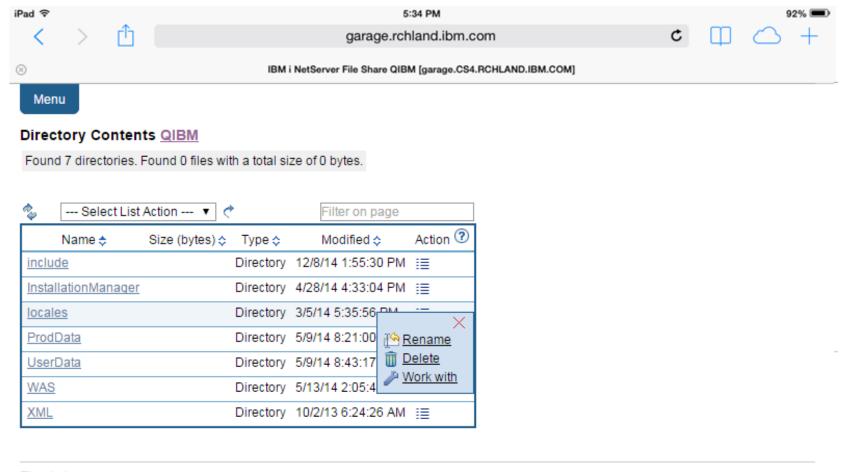
Menu

#### Directory Contents /

Found 23 directories. Found 1 files with a total size of 0 bytes.

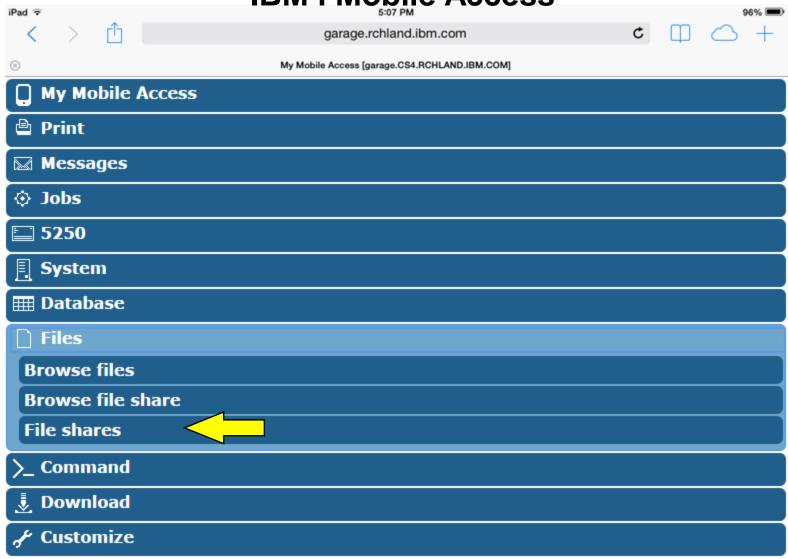
Select I	List Action	▼ 👌	Filter on pa	age
	Bize (bytes) 💠	Type ≎	Modified ≎	Action ?
\$BLDSHIP		Directory	2/25/15 2:32:11	PM <u>i≣</u>
\$BLDTEST		Directory	2/25/15 2:32:01	PM <u>i≣</u>
<u>bin</u>			10/3/13 9:21:16	~
dev		Directory	2/1/14 7:41:25 F	Rename ^
<u>etc</u>		Directory	10/14/14 8:48:1	m <u>Delete</u>
<u>home</u>		Directory	2/18/15 4:27:12	Work with
<u>lib</u>		Directory	10/3/13 9:53:19	PM <u>i≣</u>
PSF400		Directory	2/3/15 7:43:35 A	.M ≣≣
QDLS		Directory	10/3/13 3:31:28	AM <u>i</u> ≣
QFileSvr.400		Directory	10/3/13 3:31:35	AM <u>i</u> ≣
QIBM		Directory	5/9/14 8:43:18 P	M ≣≣
QNTC		Directory	10/3/13 3:31:35	AM <u>i</u> ≣
<u>QOpenSys</u>		Directory	10/3/13 3:31:28	AM <u>i</u> ≣
QOPT		Directory	10/3/13 3:31:33	AM <u>i</u> ≣
QSR		Directory	3/13/15 1:27:31	PM <u>i≣</u>
QSYS.LIB		Directory	10/3/13 3:31:31	AM <u>i</u> ≣

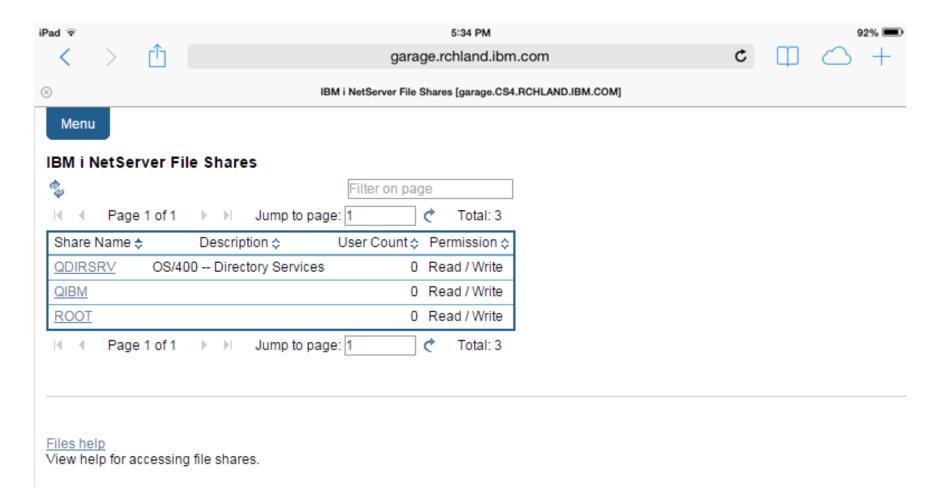


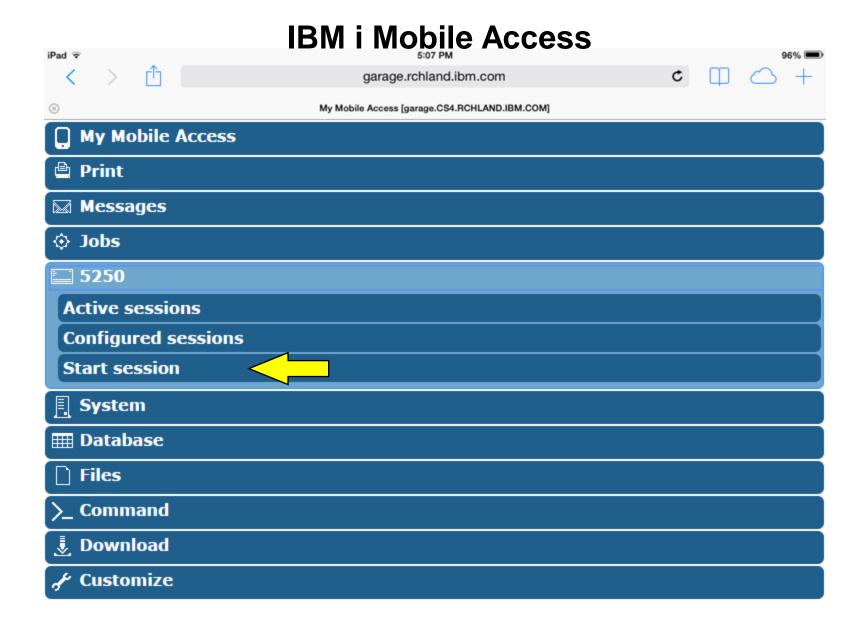


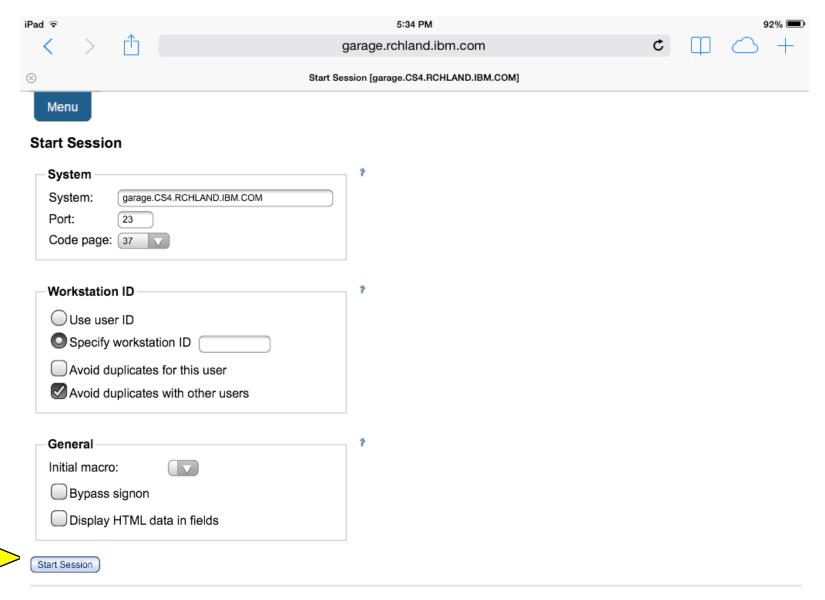
Files help

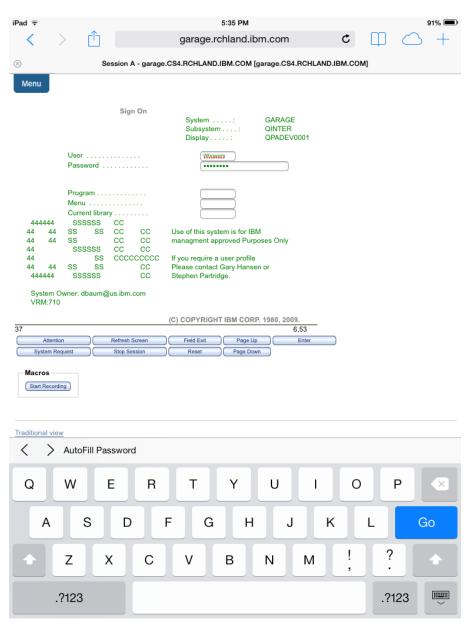
View help for browsing file shares.

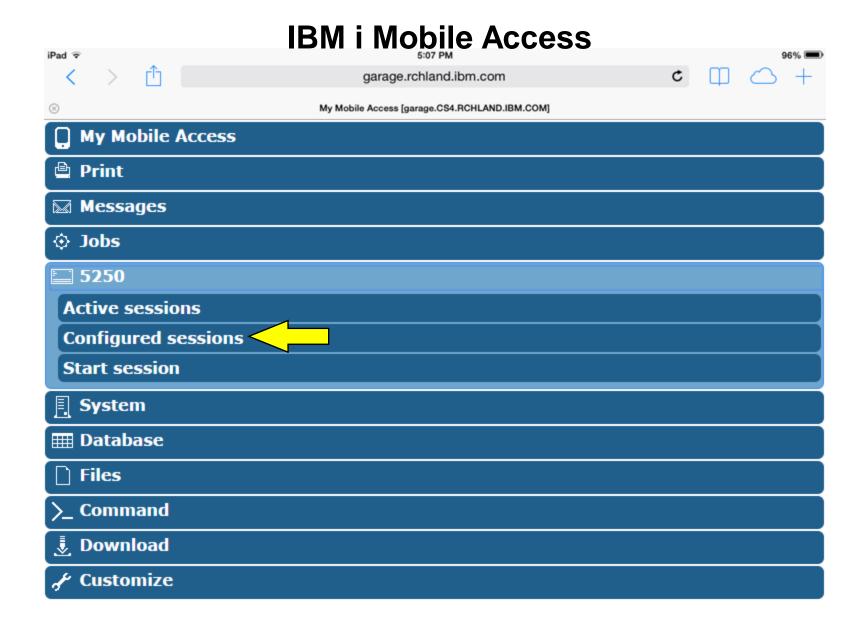


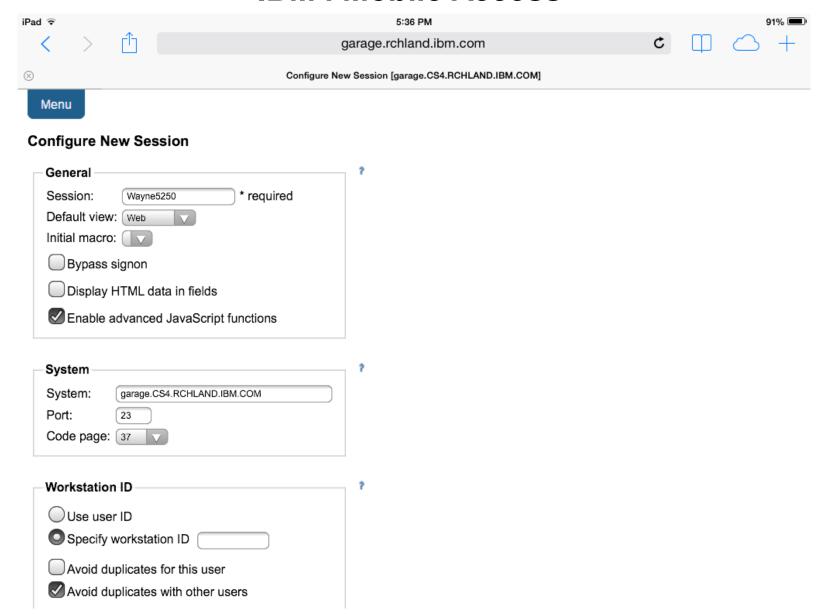


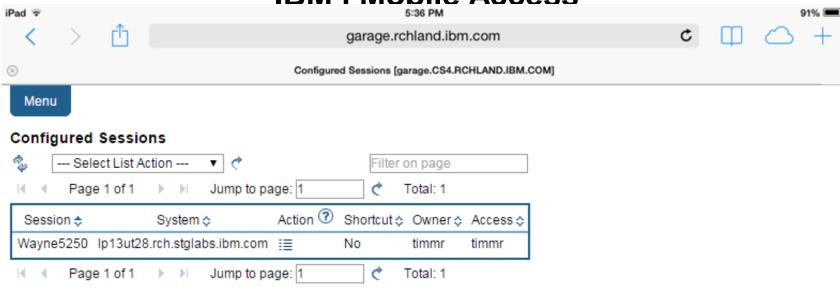












#### Shortcuts to sessions you configured

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

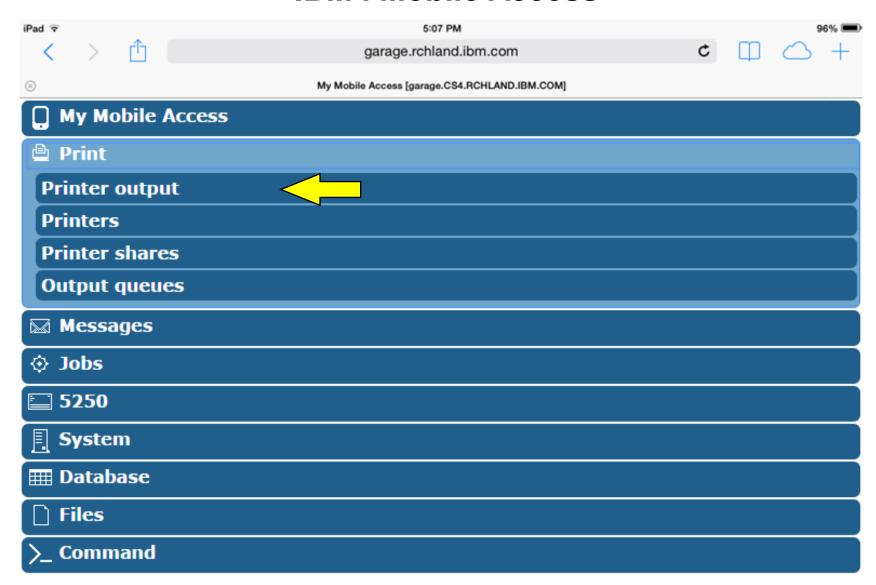
Work with your macros.

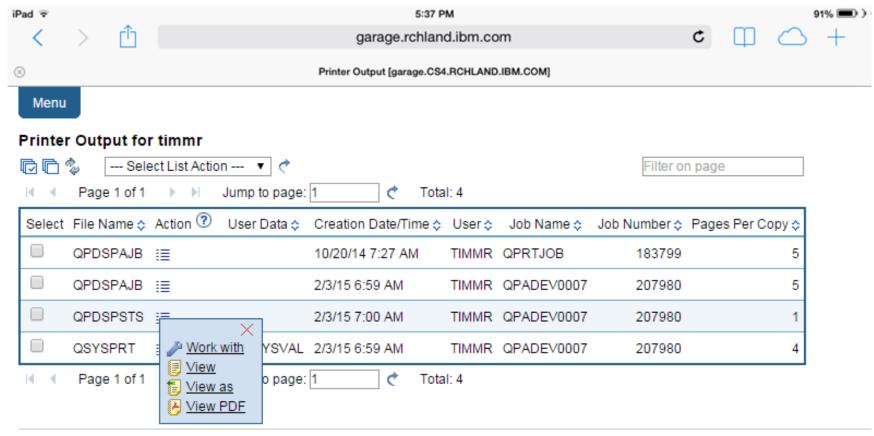
#### My keypads

Work with your keypads.

#### 5250 user interface help

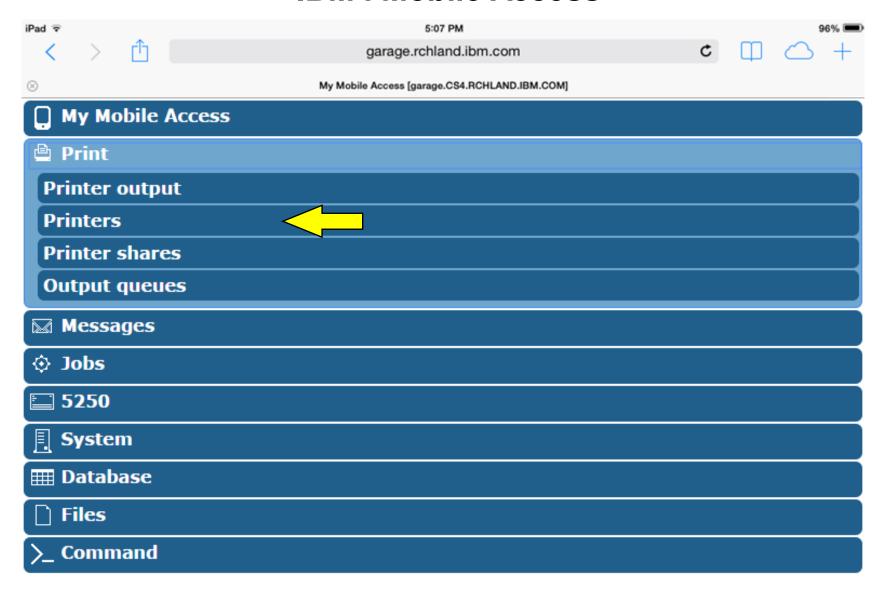
View help for working with configured sessions.

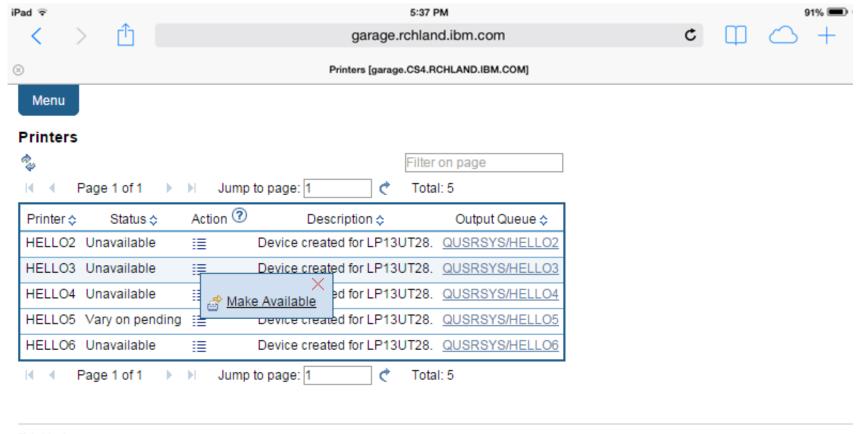




Print help

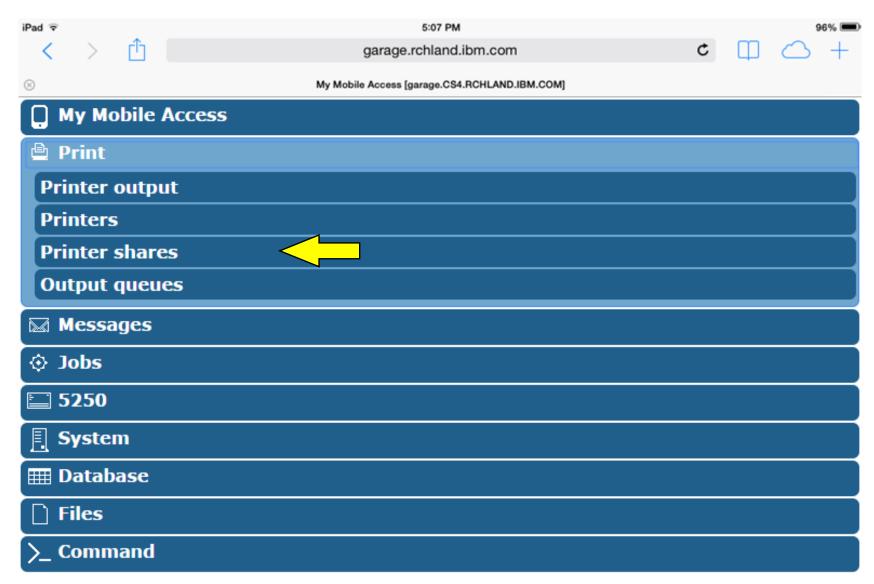
View help for accessing printer output.

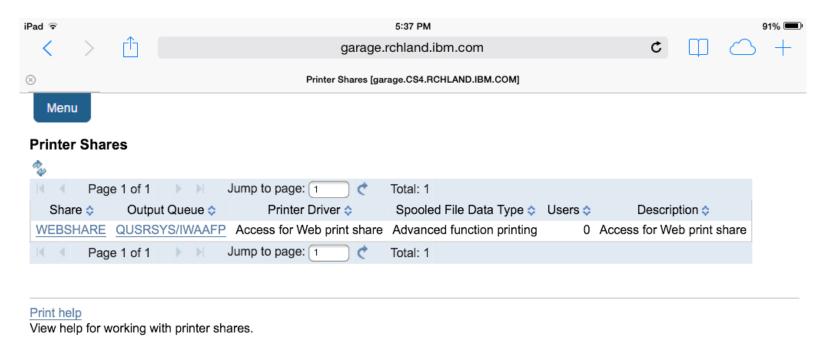


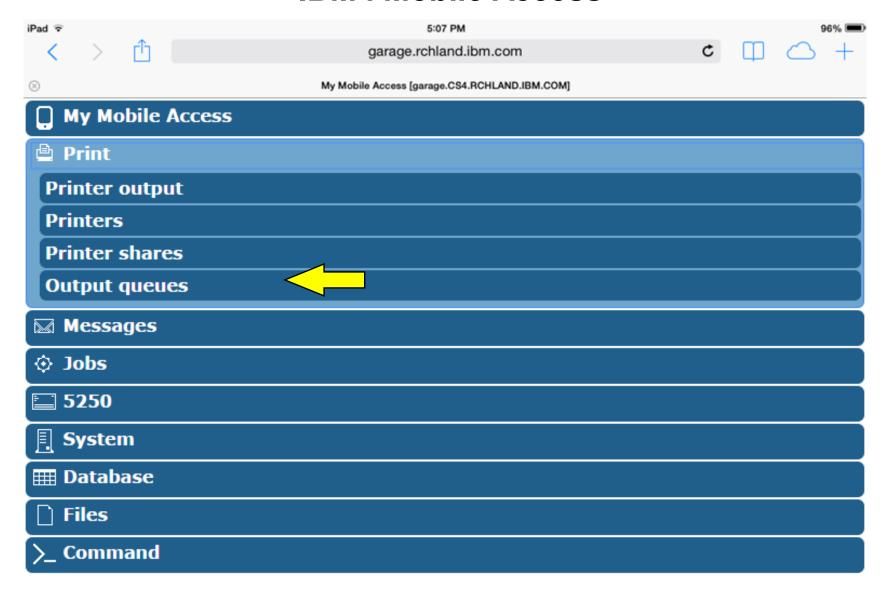


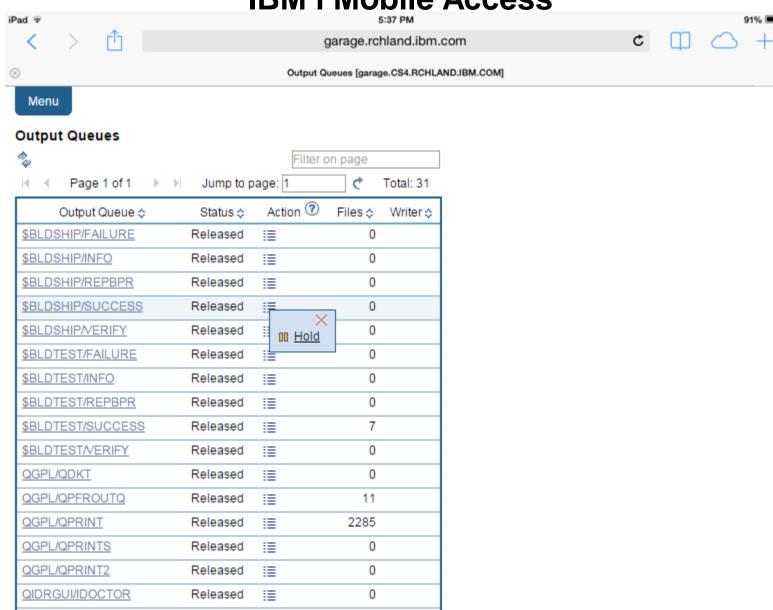
Print help

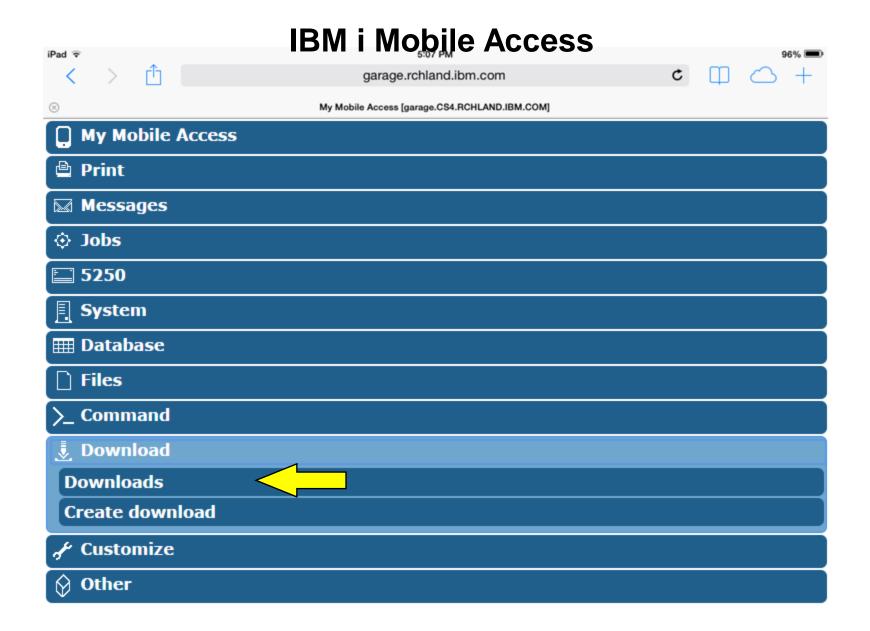
View help for working with printers.

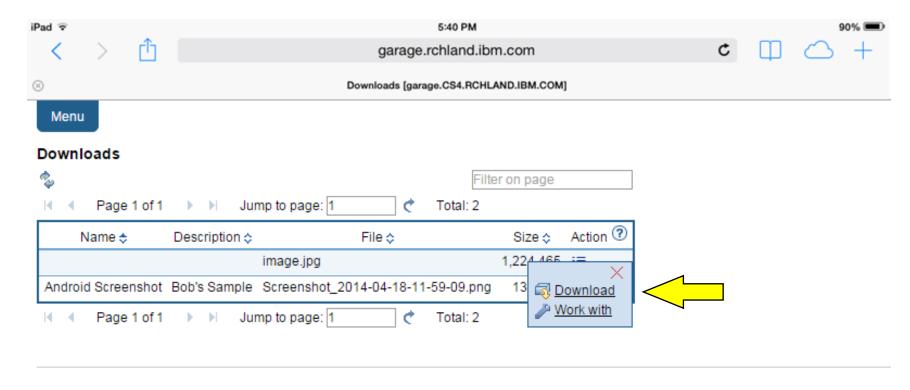








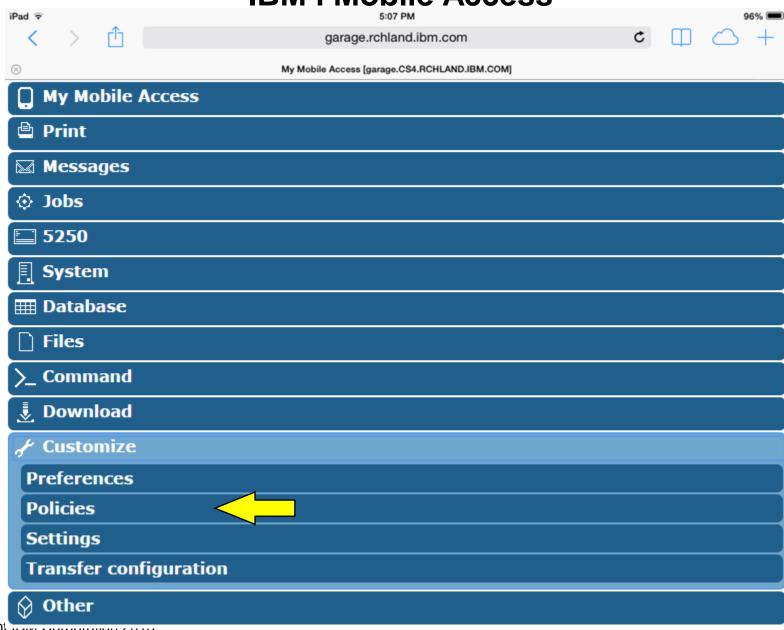


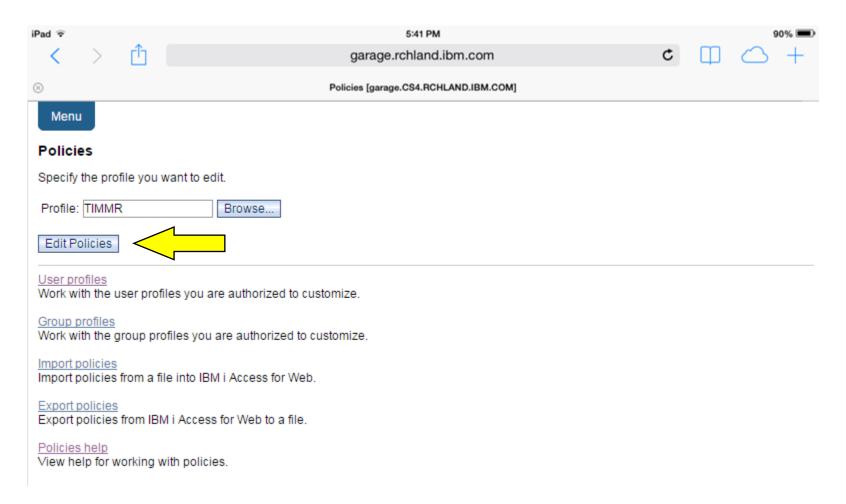


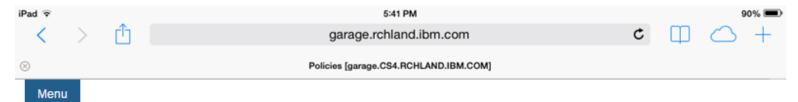
#### Download help

View help for accessing downloads.

IRM i Mohila Access iPad ₹ garage.rchland.ibm.com My Mobile Access [garage.CS4.RCHLAND.IBM.COM] My Mobile Access Print **™** Messages O Jobs **5250** System **Ⅲ** Database Files **>\_** Command Download **≁** Customize **Bookmarks** Change password **Connection pool status Trace** About







#### **Policies**

Profile: TIMMR

Action	Category	Access ?	Description
0	5250	Allowed	5250 user interface custom settings.
0	Command	Allowed	Run batch command custom settings.
0	Customize	Allowed	Preferences and policy administration custom settings.
0	Database	Allowed	Database tables, requests, and run SQL custom settings.
0	Database connections	Allowed	Create and edit database connection definitions.
0	Download	Allowed	Download packages custom settings.
0	Files	Allowed	Integrated file system and file share custom settings.
0	General	Allowed	Page layout, language and character set custom settings.
0	Jobs	Allowed	Work with jobs custom settings.
0	Mail	Allowed	Send mail custom settings.
0	Messages	Allowed	Display messages, send messages, and message queue custom settings.
0	My Folder	Allowed	My Folder custom settings.
0	Print	Allowed	Printer output, printers, printer shares and output queue custom settings.
0	Sametime	Allowed	Lotus Sametime custom settings.
0	Other	Allowed	Change password and other miscellaneous custom settings.

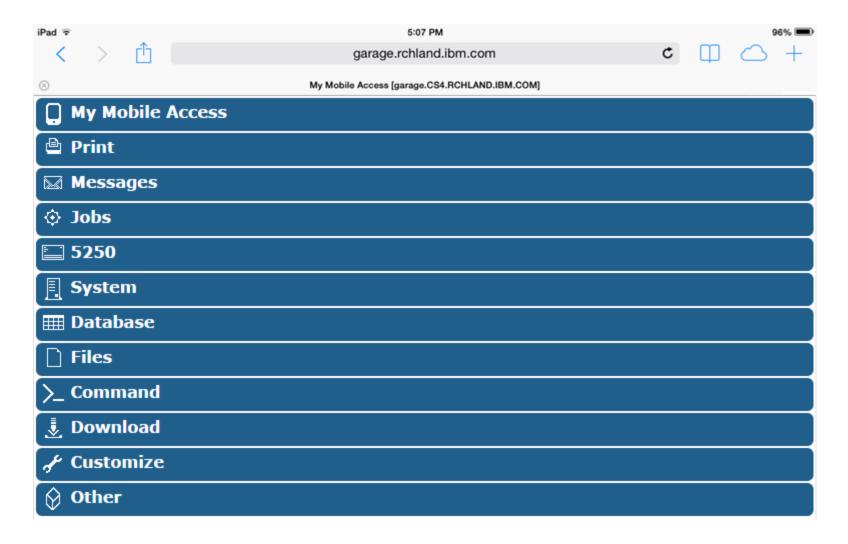
Change category access

View all policies

Change category access policies for this profile.

**IBM i Mobile Access** iPad ₹ garage.rchland.ibm.com Policies [garage.CS4.RCHLAND.IBM.COM] Menu Policies - Change Category Access Profile: TIMMR Action ? Derived From ? Setting Category 5250 Shipped default Use current setting ? Allow ▼ Command Shipped default Use current setting Allow ▼ ? Customize \*SECADM authority ? Allow Profile setting Database Use current setting Allow ▼ ? Use current setting ? Download Shipped default Allow ▼ Files Profile setting Use current setting Allow ▼ ? Jobs Shipped default Use current setting Allow ▼ ? Mail Shipped default Use current setting Allow ▼ ? Messages Shipped default ? Use current setting Allow ▼ Use current setting My Folder Shipped default Allow ▼ ? Shipped default Use current setting Print Allow ▼ ? Sametime Shipped default Use current setting Allow ▼ ? Shipped default ? Other Use current setting Allow ▼ Cancel Apply Save Policies help

View help for changing category access policies.
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Revised September 26, 2006

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