




Access IBM i, today and into the future!

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#ibmredgo

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Today's Agenda

- Access Client Solutions (ACS) Overview
- My Emulator is better than your emulator!
- IBM i Mobile Access

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Access Client Solutions (ACS) Overview

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IBM i Access Family

- The i7.2 / i7.1 IBM i Access Family of Products
- IBM i Access for Windows (5770XE1)
 - Client Access
 - Most Mature and Widely used Product
 - System i Navigator
 - 5250 Display & Printer Emulator
 - Data Transfer
 - Operations Console & Virtual Control Panel
 - Data Access Providers
 - Remote Command
 - Print Drivers
- IBM i Access for Web (5770XH2)
 - IBM i System Hosted HTML based Web Product
 - Robust Capability that has been Well Received
 - 5250 Interfaces
 - Print Access
 - Database Access
 - Integrated File System
 - Commands
 - Jobs
- IBM i Access for Linux (5770XL1)
 - Lightly Embraced Product specifically for Linux RPM Operating Systems
 - ODBC Provider
 - 5250 Display Emulator
 - Remote Command



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IBM i Access Family – New Product

Key features from existing desktop products will be included with the new IBM i Access Client Solutions core offering


- **Access for Windows – Desktop**
 - **5250 display and printer emulator**
 - **Data transfer**
 - **Operations Console**
 - System i Navigator
 - Data drivers (ODBC, OLEDB, .Net)
 - Printer drivers
- **Access for Linux – Desktop**
 - **5250 emulator**
 - ODBC driver
 - A small subset of the IBM i Access components

ACS core offering




Core offering – Platform Independent

- **Runs anywhere that has Java™**
 - Java 6.0 or later
- **This includes:**
 - Windows
 - Mac
 - Linux
 - AIX
 - IBM i



Application Packages

- ❑ **Core offering (platform independent)**
 - 5250 display and printer emulator
 - Data transfer
 - Printer Output
 - Console consolidation
 - Other misc features
- ❑ **Windows Application Package (Available at G.A.)**
 - Windows Installer MSI Package
 - Data drivers (ODBC, OLEDB, .Net)
 - Printer drivers
- ❑ **Linux Application Package (Available at G.A.)**
 - RPM and Debian Install Packages
 - ODBC driver

Product Details

- Supported connecting to IBM i OS r7.2, r7.1 and r6.1
- IBM i OS supports IBM i Access Client Solutions exactly the same as IBM i Access for Windows
- Checks out the same 57xxXW1 Licenses for 5250 and Data Transfer
- Connects to the same IBM i Access Host Servers on the same ports in the same way
 - Exit programs will continue to have the same impact
 - Application Administration local policies will still be applied

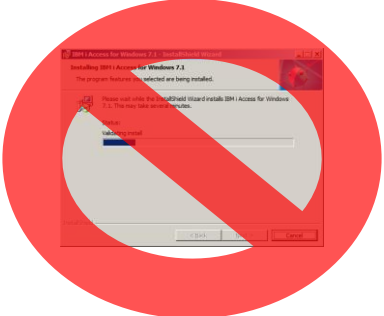
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Dependencies

- IBM i Access Client Solutions Application Packages are built using the exact same infrastructure as the IBM i Access for Windows and IBM i Access for Linux products. Therefore they are mutually exclusive.
- The IBM i Access Client Solutions core platform independent product has no conflicts with either of the Linux or Windows packages.
- IBM i Access Client Solutions does not provide any Navigator interface instead relying on the IBM Navigator for i web based infrastructure that was introduced with IBM i OS r6.1 and has continually been enhanced since
 - Name change from IBM Systems Director Navigator to IBM Navigator for i indicates a very large investment into improving the performance and usability of this interface
 - Key IBM i OS solutions like Performance Data Investigator and HAS tools are only available in Navigator for i
 - r7.2 GA timeframe introduces monitors and PTF interaction
 - A few things still only in System i Navigator
 - Database Visual Explain
 - Run SQL Scripts

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How about deployment time?





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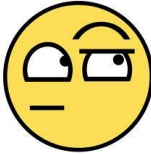
- go from "just downloaded" to "deployed and running" in...

Less than a minute!

10

Really?



Yes, really!

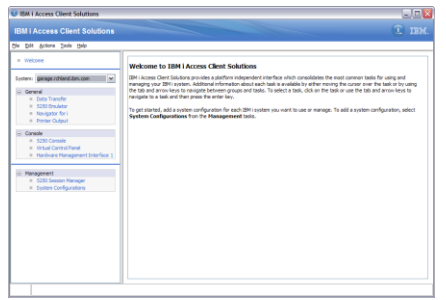
1. Extract the downloaded .zip file
2. browse into the Start_Programs directory
3. Find the appropriate launcher and double-click!

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Main User Interface

- Provide an easy to use launch point for features
- Build an infrastructure that is extensible for the future



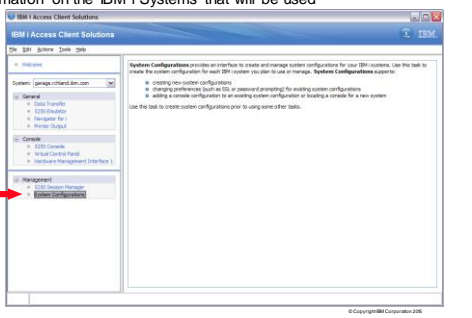
Getting Started

- Product contains Documentation folder containing "QuickStartGuide" and "GettingStarted" documents
- "GettingStarted" can also be launched from Main User Interface



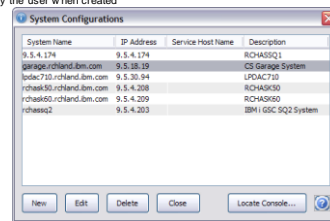
System Configurations

- Use the System Configurations panel to store connection information on the IBM i Systems that will be used



System Configurations

- Create, Edit or Delete connection information for IBM i Systems that are used.
- System Name: What is entered by the user to connect to this host
- IP Address: What the PC's DNS environment last returned w hen connecting to the System Name
- Service Host Name: The System's Console host name or IP address as configured
- Description: Defined by the user when created



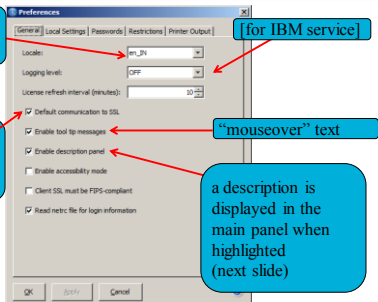
Edit -> Preferences

Set the active language (restart needed)

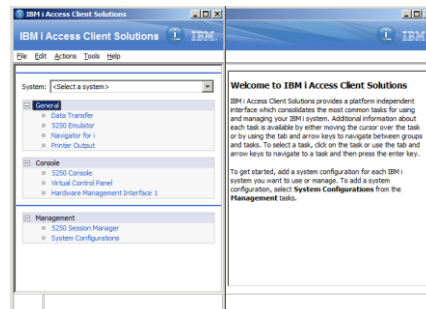
[for IBM service]

Every System Configuration created will default to SSL.

a description is displayed in the main panel when highlighted (next slide)

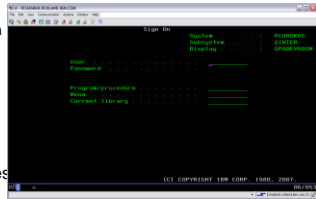


Enable Description Panel



5250 Emulation

- Provides nearly identical interaction, look and feel to the Access for Windows PC5250 emulator
 - Keyboard Mapping
 - Keystroke Macros
 - Edit Colors
 - Toolbar Customization
 - Pop-Up keypad
 - Window Setup
 - Hotspots
 - Printer Emulation
- Also some New features
 - Will discuss later



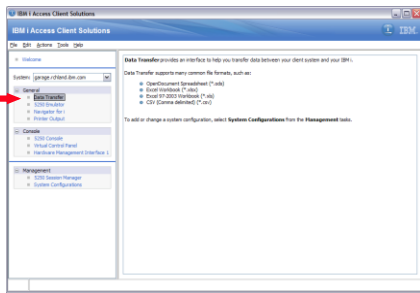
Data Transfer



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Data Transfer

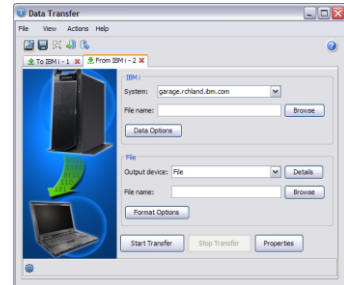
- Select the Data Transfer option
 - Will default to the current System



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Data Transfer

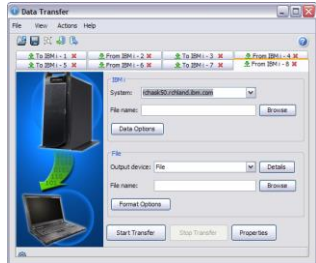
- Displays the Data Transfer interaction panel
 - Starts out with a Data Transfer to IBM i and Data Transfer from IBM i tab to the current System on the main panel



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Data Transfer

- Data Transfer interaction panel
 - All active Data Transfer requests are displayed in a tab on this panel
 - Open Saved Requests
 - Save Requests
 - Create IBM i Files
 - Data Transfer Migration



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Automation and Command Line – CLDOWNLOAD

```

/PLUGIN=cldownload /system=<system>
      [/userid=<userid>]
      [/hostfile=library/filename> | /sql="statement"]
      [/clientfile=<path>/filename.<extension> | /display]

/userid - user id to use when connecting to the target system
/hostfile - Source library and file on the IBM i system for the download
           e.g. /hostfile=QIWS/QCUSTCDD
/sql - specify an SQL statement
     e.g. /sql="select CUSNUM,LSINAM,INIT,ZIPCOD from QIWS/QCUSTCDD"
/clientfile - Target file location for the download.
             The format of this file will be determined by the specified
             extension (for example, .csv .ods .xlsx .xlsx)
             If the file extension is not specified or is of a type
             not supported, the data will be formatted as a .csv file
/display - write the output to the terminal
    
```

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Automation and Command Line – CLDOWNLOAD

- Shell command CLDownload example, on IBM i
- Note: no login needed!!

Console

Console

- 5250 Console – Opens an interactive console to the current System
- Virtual Control Panel – Opens a Virtual Control Panel
- Hardware Management Interface 1 – Opens a web browser to the management console specified for the current System

5250 Console

- 5250 HMC Console

Virtual Control Panel

- Virtual Control Panel

- Service Functions
- Providing options for service commands instead of providing the up and down arrows and enter
- Starting in V1R1M3 supported with LAN and HMC console types

Console Configuration

Locate Console

- Listens on your LAN for discovery data packets from systems with LAN Console configured
- Dynamically open a 5250 Console or Virtual Control Panel to the system/partition located

The screenshot shows the 'Locate Console' window with a 'System Configurations' dialog box open. The dialog lists systems with columns for System Name, IP Address, Service Host Name, and Description. Below, the 'Locate Console' window displays a list of discovered systems with columns for IP Address, System Name, and Description. A 'Locate Console...' button is visible on the right.

HMC Probe Utility

- Probes an HMC for managed systems & partitions

The screenshot shows the 'HMC Probe Utility' window. The 'HMC Information' section shows 'HMC: f0hmc5' and 'User: froot'. The 'Results' section lists several systems with their IP addresses and system names, such as '215336-9406-520-0N10E5FA' and '214332-9117-9M8-0N1000CP'. Buttons for '5250 Console', 'Virtual Control Panel', 'Save', and 'Save As...' are at the bottom.

Printer Output

The image shows several IBM server hardware units of different sizes and configurations, including a small desktop-style unit and several tall tower units. A blue circular icon with a white 'i' and the text 'For Business' is positioned to the left of the servers.

Printer Output

- Lists and allows interaction with the printer output on the IBM i OS System

The screenshot shows the 'IBM i Access Client Solutions' interface. The 'Printer Output' section is highlighted with a red arrow. It lists options for 'Data Transfer', '5250 Console', and 'Virtual Control Panel'. A description on the right explains that the printer output provides an interface for viewing files in the 5250 output queue and downloading them.

Printer Output

- Printer Output user interface
- Allows the user to view, and download spooled files.

The screenshot shows the 'Printer Output' user interface. It displays a table of spooled files with columns for Output name, User-specified data, User, Status, Printer, Pages per copy, Copies left, Time created, and Active tasks. Below the table, there is a section for 'Downloaded files' showing a file named 'QPSP02_IBM08MS_JURNAK_12426_1.M'. Buttons for 'Open' and 'Close' are at the bottom.

Shell Commands

The image shows several IBM server hardware units of different sizes and configurations, including a small desktop-style unit and several tall tower units. A blue circular icon with a white 'i' and the text 'For Business' is positioned to the left of the servers.

Shell Commands

- IBM i Access Client Solutions provides several shell or command line utilities that can be used outside of the graphical user interfaces

- Basic syntax is (all on the same line)

```
acslaunch_win-32.exe /plugin=<name>
[/system=<system>] [/options]
```

- Or

```
java -jar acsbundle.jar /plugin=<name>
[/system=<system>] [/options]
```

- The "system" parm is only valid for commands pointed at a specific system

Shell Commands

- Examples include:

- **Backup**
 - Saves the client configuration to file
- **Restore**
 - Restores the client configuration from file
- **Cfg**
 - Creates system configuration
- **Dump**
 - Requests all running client processes to write service information
- **Medic**
 - Packages the existing logs and dumps
- **Log**
 - Sets the client logging level

Shell Commands

- And...

- **Lgcn**
 - Manages user id and password caching
- **Props**
 - Opens the Edit -> Preferences panel
- **Maint**
 - Maintenance options
- **Ping**
 - IBM i Access Client Solutions connection verification
- **Sm**
 - Opens 5250 session manager
- **5250**
 - Opens 5250 display session
- **DTGui**
 - Opens Data Transfer interaction panel

Shell Commands

- Shell Command Ping example

```

C:\Documents and Settings\Administrator\My Documents\IBM\Access_v1M\Start_Binary\Windows_i386-32>acslaunch_win-32.exe /PLUGIN=ping /SYSTEM=garage.rchland.ibm.com
Successfully loaded: C:\Program Files\IBM\Java60\jre\bin\classic\jvm.dll
Verifying connection to central server service...Success!
Verifying connection to command service...Success!
Verifying connection to database service...Success!
Verifying connection to data queues service...Success!
Verifying connection to file service...Success!
Verifying connection to print service...Success!
Verifying connection to record-level access service...Success!
Verifying connection to signon service...Success!
Done
C:\Documents and Settings\Administrator\My Documents\IBM\Access_v1M\Start_Binary\Windows_i386-32>

```

Deployment



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Deployment

- IBM i Access Client Solutions is not installed to the client operating system, it is deployed.
 - There is no installation program for the core of the product.
- **Access Client Solutions Deployment**
 - The deployment involves the client bundle being placed wherever it is desired to be executed from, and determining where the product settings are going to be stored.
- **Client Bundle**
 - Contains the Java executable Jar, properties file, platform specific start executables and javascript start samples, product documentation, and licensing notices.
 - All that is required to be deployed is the Java executable Jar
 - The rest is optional
- **No JRE distributed**
 - IBM i Access Client Solutions does not deploy a specific JRE
 - Relies on a Java 1.6 or higher JRE to be accessible on the client OS

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Deployment: initial questions



- When thinking about deployment, ask yourself where you want to put:

1. the product image? (jar file)

2. the user's settings?
(system configurations,
5250 sessions, etc.)

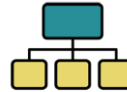
Deployment: What might be our options?



Computer (local)



USB Thumb Drive



Network Share



Intranet (<http://> URL)

Where can I put the image (jar file)?



Any filesystem (local, USB drive, network)
or
Intranet link (<http://> or <https://>)

**NOTE: A Java Runtime Environment (JRE) will also
need to be accessible**

Where can I put the user's settings?



Any filesystem (local, USB drive, network)

How do I place the product image?



- For filesystem locations, simply copy the file(s) and give users access
- For <http://> or <https://>, you have two options:
 - Static-serving the file from your web server
 - Simply have your web server "serve" the file via a static link or some similar mechanism
 - (requires the user to have file association for .jar, and for that association to launch a Java 6 JRE)
 - Using Java WebStart technology
 - Only requires the user to have some Java installed (does not have to be Java 6)

How do I control the User Settings?



AcsConfig.properties

- This can be configured in the product configuration file, named "AcsConfig.properties"
- AcsConfig.properties is simply a list of configuration properties and values.
- These properties may also be specified on the command line
 - D<property>=<value>
- One such property is
com.ibm.iaccess.AcsBaseDirectory

AcsConfig.properties (cont.)

```

# com.ibm.iaccess.AcsBaseDirectory determines the configuration location.
#
# Example 1: local configuration for each user (default)
# com.ibm.iaccess.AcsBaseDirectory
# When AcsBaseDirectory is not set, the configuration defaults to a platform
# dependent path for the user.
# This is the default setting for IBM i Client Access Solutions.
#
# Example 2: shared configuration for multiple users
# com.ibm.iaccess.AcsBaseDirectory=x:/shared_network_drive/config_directory
# Setting AcsBaseDirectory to an absolute path allows the configuration to
# be shared by multiple users that are using the same AcsConfig.properties
# file or whose acsconfig.properties file contains the same path.
# Hint: when setting it to an absolute path, try using / as a directory separator
# even on windows operating systems.
#
# Example 3: local configuration on portable media
# com.ibm.iaccess.AcsBaseDirectory=.
# Setting AcsBaseDirectory to . sets the configuration location to the
# current working directory. This setting may be useful for cases when you
# want the configuration on portable media. Since the absolute path of the
# portable media will vary depending on the system where it is being used,
# this setting allows the configuration to be relative to the current working
# directory.
#
com.ibm.iaccess.AcsBaseDirectory=

```

AcsConfig.properties (cont.)

- The following locations are searched for the AcsConfig.properties file:
 - In the classpath (that is, inside acsbundle.jar)
 - Sample, default version included with the product
 - In the same directory as acsbundle.jar
 - Sample, default version included with the product
- By interrogating the "ibmi.acs.configuration" Java System property (the property's value is assumed to be the properties file). One would set this property on the command line. Example:

```

acs!aunch_win-32.exe -
Dibmi.acs.configuration=M:\AcsConfig.properties

```

- IMPORTANT NOTE!!** When the configuration file exists in multiple locations, the last one wins

com.ibm.iaccess.AcsBaseDirectory

- The value of this property determines:
 - The location of user settings
 - The location of service logs/dumps/etc
 - The default directory used by the 5250 session manager (this can be configured separately if desired)
- The value is expected, therefore, to be a directory name on a filesystem. It can be
 - Left blank (which leaves behavior at the default location)
 - The path of a hardcoded directory name (fully-qualified is highly recommended)
 - A constructed path using special keywords (next slide)

Tip: use forward slashes ('/'), not backslashes ('\')

AcsBaseDirectory : Special keywords

- {USER} : would be the current username (valid anywhere in the path)
- {PRODUCTDIR} : would mean the product's location in the file system (valid only at the beginning)
- {TMPDIR} : would be the temporary directory (valid only at the beginning)
- {ROOT} : the root of the file system where the product is located (valid only at the beginning)
- {CWD} : the current working directory (valid only at the beginning)
- {HOME} : the user's home directory (valid only at the beginning)
- {DEFAULT} : the default place the product normally puts its settings (valid only at the beginning)

POP QUIZ

You have deployed the ACS jar file on a network share. Most users map this share as "M:" (Linux users have mounted it as /mnt/shr1).

You want user settings to also be stored on the network share. You also want each user's settings to be saved in its own location.

Is this even possible?

- a) Yes

POP QUIZ

You have deployed the ACS jar file on a network share. Most users map this share as "M:" (Linux users have mounted it as /mnt/shr1).

You want user settings to also be stored on the network share. You also want each user's settings to be saved in its own location.

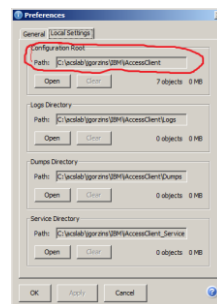
What would be an acceptable value for com.ibm.iaccess.AcsBaseDirectory?

- d) {ROOT}/ACS/{USER}
- f) {PRODUCTDIR}/ACS/{USER}

Verifying location



Verifying location



Cliff's notes: Common configurations

Default ("My Documents" on Windows, home dir otherwise)

```
com.ibm.iaccess.AcsBaseDirectory=
```

Network share

```
com.ibm.iaccess.AcsBaseDirectory={ROOT}/config_directory/{USER}
com.ibm.iaccess.AcsBaseDirectory={PRODUCTDIR}/config_directory/{USER}
```

Thumb drive!

```
com.ibm.iaccess.AcsBaseDirectory={PRODUCTDIR}/config_directory
```

Auto-push configuration

- Not only that, but product settings can be automatically pushed out to all users!
- This includes emulator stuff!
 - 5250 session profiles
 - Color mappings
 - Key mappings
 - Stuff we're going to talk about
 - etc.
- See product documentation for 'com.ibm.iaccess.autoimport' and 'com.ibm.iaccess.autoimport.version' properties for more info
- Has anybody used the cwback.exe and cwrbst.exe utilities with IBM i Access for Windows?

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IBM



#ibmedge

My Emulator is better than your emulator!

NOW!! Let's talk about the emulator

- Show of hands:
 - Who has tried the Access Client Solutions emulator?
 - Who has made the new emulator their own "go to"?
 - Who has made this emulator the organization standard?



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Agenda

- Ways the ACS emulator is better than PC5250
- A few more ways
- A few more ways
- Side-by-side comparison

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Can your emulator do this?

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Or this?

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How about new features?

63

Mouse wheel default options

64

Also works with other scrolling devices, like your laptop/touchpad!

Mouse wheel default options

- Edit->Preferences->Mouse Wheel

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Mouse wheel options – How Jesse likes it!!

66

Can your emulator do this?

Image watermarks

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Text watermarks

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Text Watermark – Special keywords

- **&COMP**
Computer name
- **&HOST**
Host name defined within the emulator session
- **&ID**
Current session ID
- **&NAME**
Current session name
- **&USERN**
User name that started the JVM ***NOT IBM i user profile**

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Oh, yeah, and my emulator has TABS!
How does that make you feel?

And you can do a bunch with them!

- You can drag them around (even between windows)
- You can detach them to their own window
- you can even choose where to place them on the screen

And you can do a bunch with them!

- Not enough room on the screen? NO PROBLEM!

Tab behavior is customizable!

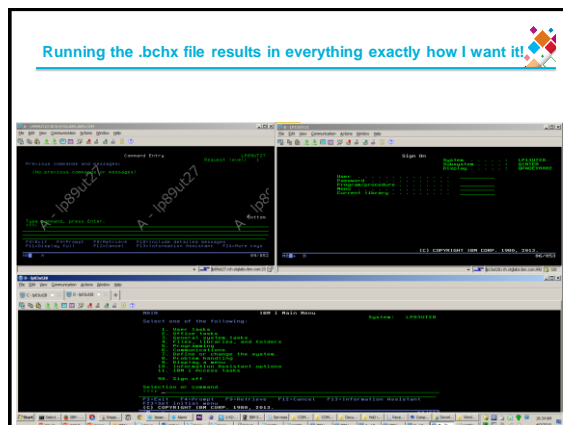
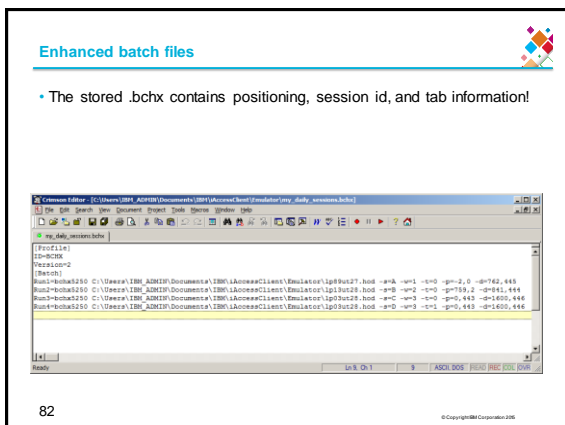
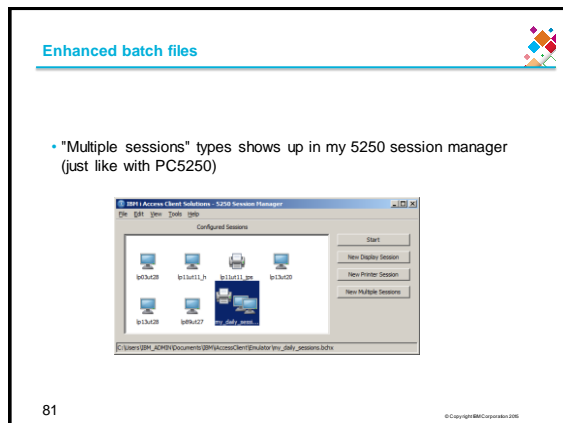
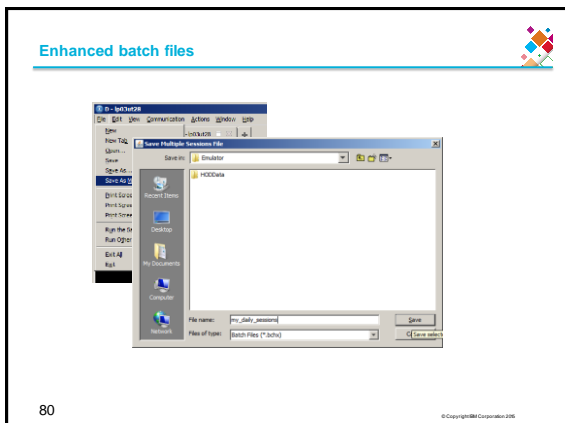
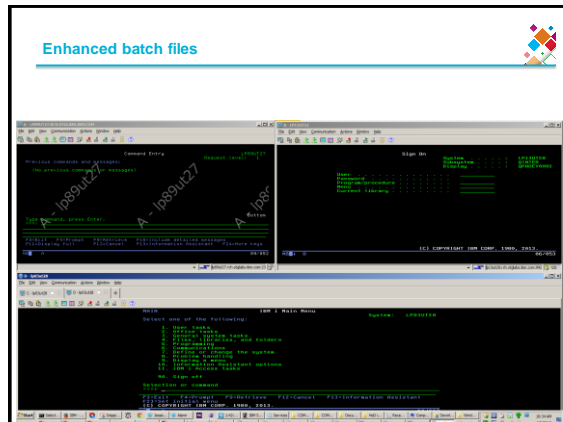
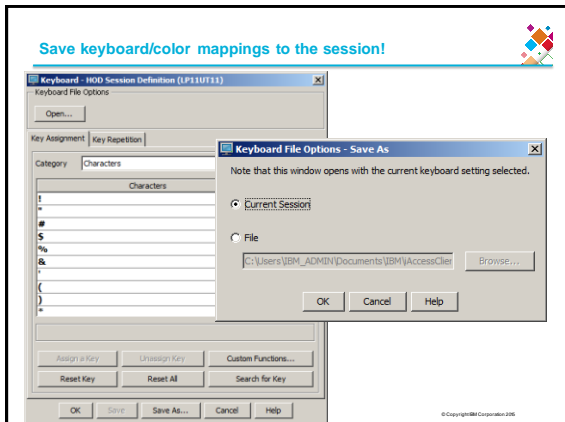
- Edit->Preferences->Tab Setup

Tab behavior is customizable!

- Edit->Preferences->Tab Setup

Yes, you can switch tabs with the keyboard

- <alt>+<tab> switches between windows
- <ctrl>+<tab> switches between tabs within a window (you can customize)
- You can also define a key sequence for "Jump Next" and "Jump Previous", which will traverse all 5250 sessions (different tabs and windows)



Anyone keeping score?

Don't worry... We're not done yet!

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How about SSL?

- Show of hands:
 - Who uses SSL more often than unsecured connections?
 - Whose company enforces an SSL-only policy for IBM?

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Configuring SSL CA trust – The PC5250 way!

- Open System i Navigator.
- Right-click the name of your system.
- Select Properties.
- Select the Secure Sockets tab.
- Click Download. This downloads the i5/OS certificate authority certificate automatically into the certificate key database.
- You are prompted for your key database password. Unless you have previously changed the password from the default, enter ca400. A confirmation message displays. Click OK.

Relies on

- Non-SSL connection to IBM i IFS
- Certificate authority file in IFS matching what the server offers
- Not assigning multiple certificates on the server (new function in 7.2)

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Configuring SSL CA trust – The ACS way!

Still only needed for self-signed certificates

Relies on:
• Clicking "Yes"

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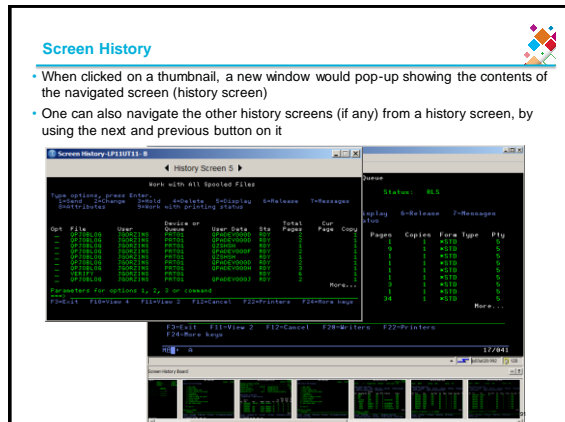
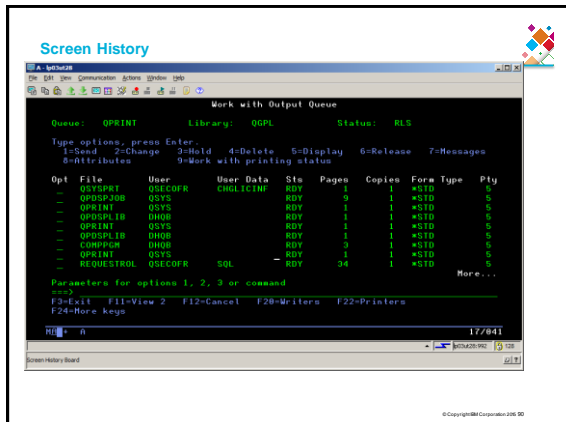
Screen History

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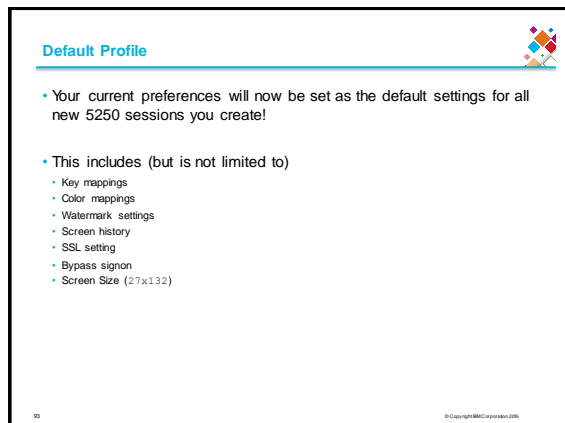
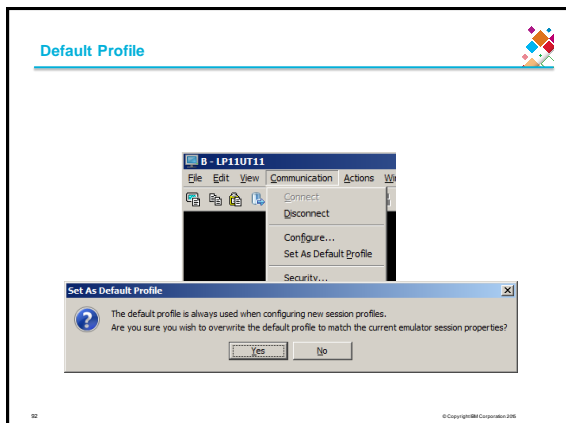
Screen History

Opt	File	User	User Data	Site	Pages	Copies	Form Type	Ptg
...	QPSR008	QSECFR	RDY	9	1	1	*STD	5
...	QPSR101	QSECFR	RDY	1	1	1	*STD	5
...	QPSR102	QSECFR	RDY	1	1	1	*STD	5
...	QPSR103	QSECFR	RDY	1	1	1	*STD	5
...	QPSR104	QSECFR	RDY	1	1	1	*STD	5
...	QPSR105	QSECFR	RDY	1	1	1	*STD	5
...	QPSR106	QSECFR	RDY	1	1	1	*STD	5
...	QPSR107	QSECFR	RDY	1	1	1	*STD	5
...	QPSR108	QSECFR	RDY	1	1	1	*STD	5
...	QPSR109	QSECFR	RDY	1	1	1	*STD	5
...	QPSR110	QSECFR	RDY	1	1	1	*STD	5
...	QPSR111	QSECFR	RDY	1	1	1	*STD	5
...	QPSR112	QSECFR	RDY	1	1	1	*STD	5
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...	QPSR115	QSECFR	RDY	1	1	1	*STD	5
...	QPSR116	QSECFR	RDY	1	1	1	*STD	5
...	QPSR117	QSECFR	RDY	1	1	1	*STD	5
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...	QPSR126	QSECFR	RDY	1	1	1	*STD	5
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...	QPSR128	QSECFR	RDY	1	1	1	*STD	5
...	QPSR129	QSECFR	RDY	1	1	1	*STD	5
...	QPSR130	QSECFR	RDY	1	1	1	*STD	5
...	QPSR131	QSECFR	RDY	1	1	1	*STD	5
...	QPSR132	QSECFR	RDY	1	1	1	*STD	5
...	QPSR133	QSECFR	RDY	1	1	1	*STD	5
...	QPSR134	QSECFR	RDY	1	1	1	*STD	5
...	QPSR135	QSECFR	RDY	1	1	1	*STD	5
...	QPSR136	QSECFR	RDY	1	1	1	*STD	5
...	QPSR137	QSECFR	RDY	1	1	1	*STD	5
...	QPSR138	QSECFR	RDY	1	1	1	*STD	5
...	QPSR139	QSECFR	RDY	1	1	1	*STD	5
...	QPSR140	QSECFR	RDY	1	1	1	*STD	5
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...	QPSR145	QSECFR	RDY	1	1	1	*STD	5
...	QPSR146	QSECFR	RDY	1	1	1	*STD	5
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...	QPSR148	QSECFR	RDY	1	1	1	*STD	5
...	QPSR149	QSECFR	RDY	1	1	1	*STD	5
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...	QPSR165	QSECFR	RDY	1	1	1	*STD	5
...	QPSR166	QSECFR	RDY	1	1	1	*STD	5
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...	QPSR175	QSECFR	RDY	1	1	1	*STD	5
...	QPSR176	QSECFR	RDY	1	1	1	*STD	5
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...	QPSR182	QSECFR	RDY	1	1	1	*STD	5
...	QPSR183	QSECFR	RDY	1	1	1	*STD	5
...	QPSR184	QSECFR	RDY	1	1	1	*STD	5
...	QPSR185	QSECFR	RDY	1	1	1	*STD	5
...	QPSR186	QSECFR	RDY	1	1	1	*STD	5
...	QPSR187	QSECFR	RDY	1	1	1	*STD	5
...	QPSR188	QSECFR	RDY	1	1	1	*STD	5
...	QPSR189	QSECFR	RDY	1	1	1	*STD	5
...	QPSR190	QSECFR	RDY	1	1	1	*STD	5
...	QPSR191	QSECFR	RDY	1	1	1	*STD	5
...	QPSR192	QSECFR	RDY	1	1	1	*STD	5
...	QPSR193	QSECFR	RDY	1	1	1	*STD	5
...	QPSR194	QSECFR	RDY	1	1	1	*STD	5
...	QPSR195	QSECFR	RDY	1	1	1	*STD	5
...	QPSR196	QSECFR	RDY	1	1	1	*STD	5
...	QPSR197	QSECFR	RDY	1	1	1	*STD	5
...	QPSR198	QSECFR	RDY	1	1	1	*STD	5
...	QPSR199	QSECFR	RDY	1	1	1	*STD	5
...	QPSR200	QSECFR	RDY	1	1	1	*STD	5

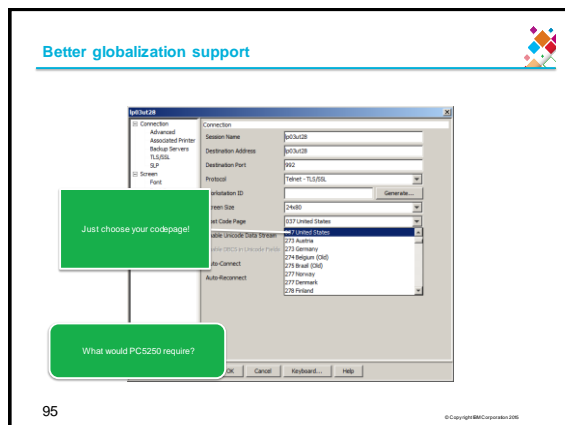
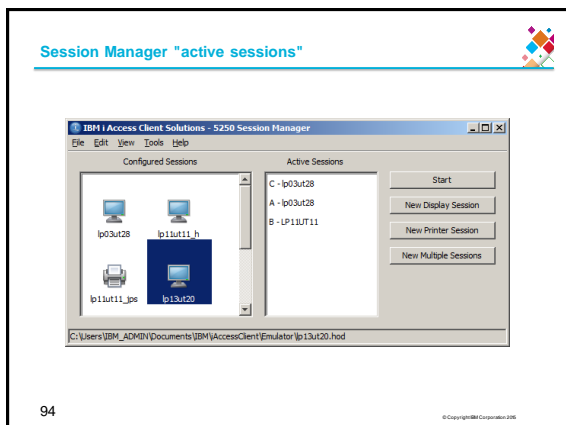
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- When clicked on a thumbnail, a new window would pop-up showing the contents of the navigated screen (history screen)
- One can also navigate the other history screens (if any) from a history screen, by using the next and previous button on it



- Your current preferences will now be set as the default settings for all new 5250 sessions you create!
- This includes (but is not limited to)
 - Key mappings
 - Color mappings
 - Watermark settings
 - Screen history
 - SSL setting
 - Bypass signon
 - Screen Size (27x132)



	PC5250/PCOMM	ACS
5250 display emulation	✓	✓
5250 print emulation	✓	✓
Runs on Mac, Linux, AIX, and Solaris	✗	✓
Deployment time	10-15 MINUTES	<60 seconds
Can run from thumb drive or network share	✗	✓
Can automatically push out config to end users	✗	✓

	PC5250/PCOMM	ACS
Mouse wheel recognition	✗	✓
Image watermarks	✗	✓
Text watermarks	✗	✓
Tabs!	✗	✓
Enhanced batch files support	✗	✓
Easy SSL certificate trust	✗	✓

	PC5250/PCOMM	ACS
Screen History	✗	✓
"Set as Default Profile"	✗	✓
Printing via PDT and HPT	✓	✓
Printing with neither HPT nor PDT needing to be configured	✗	✓
"Active Sessions" on Session Manager	✗	✓
Multiple host codepages	✗	✓

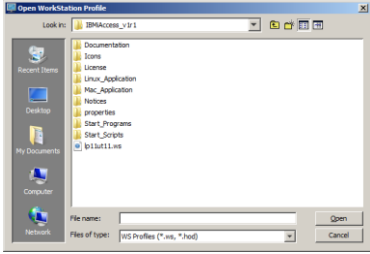
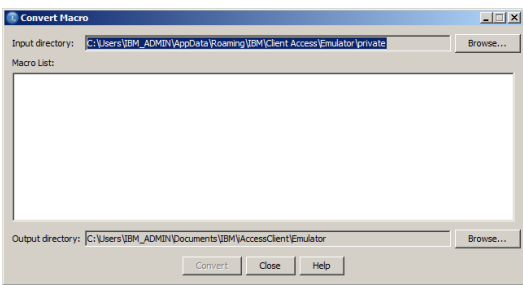
Nervous? Don't be!

- The new emulator supports nearly all the function of the old emulator:
 - Kerberos
 - bypass signon
 - auto-reconnect
 - color mappings
 - key mappings
 - etc.
- And, there's easy migration paths!

Migration – 5250 session profiles

Migration – 5250 session profiles

- You can also open .WS files directly with ACS


Let's review....

The ACS emulator is better than PC5250!!

Any Questions?


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#ibmedge

* Break! *




#ibmedge


IBM i Mobile Access

Agenda

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




Mobile: Changing Interactions Across Industries



- 1/3** of citizens access federal government website by logging in from phones or tablets
- 25%** of all online search for travel comes from a mobile device
- Mobile banking transactions grew at **138% CAGR** from 0.3B in 2008 to 9.4B in 2012


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And Ultimately Changing How Individuals Are Getting Things Done



- 47%** use devices to read and write docs
- 62%** use devices for work related email
- 41%** use devices to access work related apps

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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

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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>



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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



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IBM i Mobile Access

- 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



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IBM i Mobile Access

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

IBM i Mobile Access Screens

iPhone 4

Galaxy Nexus

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IBM i Mobile Access

- 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

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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 Tech Preview PTF S62768 for 5770XH2
 - Current PTF is S64619 for 5770XH2
 - What you see today is in PTF S65123 for 5770XH2 planned to be released in May

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Getting Started

- 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)
 - ENDTCPSVR SERVER('IAS) INSTANCE(ADMIN5)
- ADMIN5 runs on port 2011

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Getting Started

- 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 Application Server instances or other Web Application Server types like WebSphere Application Server, though additional customization is required

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Getting Started

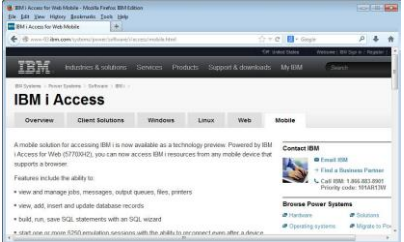
- Connected to via a simple URL from HTTP *ADMIN port 2001
 - <http://system2001/iamobile>
- ADMIN5 runs on port 2011
- 2001/iamobile redirects
- Can also use
 - <http://system2011/iamobile/WAHome>

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IBM i Mobile Access

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

Latest Information available at this location




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IBM i Mobile Access Demo




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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
 lbolhuis@inTheCloud.com
 Pete Massiello
 pmassiello@inTheCloud.com





www.frankeni.com



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DEMO TIME!!

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