No iAccess for Windows 10?
No Worries – Access Client Solutions is ready to meet the challenge!

Tim Rowe
timr@us.ibm.com
Business Architect
System Management
Before we get started.....

- A little background/history on IBM i Access family
- A Discussion on Strategy
- Demo, Demo, Demo
What is System Access & Management

User Accessing the IBM i

Managing IBM i System

DB Engineer playing with the DB2 on i
Windows Install Only

Any Device
Why?

Core issues

- No support for Linux & Mac
- No support for Mobile
- Difficult to deploy for many users
- Difficult to update
- Development is costly
- Existing support is OLD – The world has changed!
Answers

Solution themes
• Device & OS Neutral
• Flexible
• Easy to install and maintain
• Simple for a single user or 1000's
• Improved administrator situation
• Cost effective to create
IBM i Access Family

- IBM i Access for Windows (5770XE1)
  Client Access
  Most mature and widely used product
  - System i Navigator
  - 5250 Display and Printer Emulation
  - Data Transfer
  - Operations Console & Virtual Control Panel

- IBM i Access for Web (5770XH2)
  IBM i System Hosted HTML based web product
  Very robust capability that has been well received
  - 5250 Display
  - Print Access
  - Database Access

- IBM i Access for Linux (5770XL1)
  Lightly embraced product specifically for Linux RPM Operating Systems
  - ODBC provider
  - 5250 Display
  - Remote Command

Gone Mobile

Just Gone!
Access Client Solutions Family
Access Client Solutions (ACS)

- **Core offering (platform independent)**
  - 5250 display and printer emulator
  - Data transfer
  - Printer Output
  - Console consolidation
  - Other misc features

- **Windows Application Package**
  - Windows Installer MSI Package
  - Data drivers (ODBC, OLEDB, .Net)
  - Printer drivers

- **Linux Application Package**
  - RPM and Debian Install Packages
  - ODBC driver
Frequently-asked Questions

• Supported connecting to IBM i 7.3, 7.2, 7.1 and (6.1, 5.4, 5.3, 5.2, \ldots)

• Exact Same Connectivity
  – Same 57xxXW1 Licenses for 5250 and Data Transfer
  – Connects to the same IBM i Access Host Servers
  – Connects to the same Ports
First!! Let's talk about the emulator

iAccess for Windows – PC5250

VS

ACS – 5250 Emulator
Can your emulator do this?
How do you get it???

ESS??

NO!!

EASY WEB DOWN LOAD!
ACS Deploys Anywhere

Local Disk (C):
307 GB free of 465 GB

\( \text{w32users (/yرحل'\group (U:\) 253 GB free of 807 GB} \\
\text{afsre (\smb1_rchland.ibm.com) (Z:\) 68.6 GB free of 68.6 GB} \\

Windows 10

Surface

suse

redhat

© 2017 IBM Corporation
Improved ACS User Deployment – Single & Multi User

New Deployment Wizard to Simplify and Improve ACS Deploy
- Administrator Options for Multi User Deployment
- Create Desktop Shortcut to Runtime location
  - Local or Network location
- Create File Associations
  - Old .ws files
  - New .hod files
  - Data Transfer
- Customization of Available Function
  - Control what functions display
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
  - etc.

- Article on deployment!!!
Mouse Wheel! Touch Pad!!

Touch Pad Too!!

Mouse wheel recognition!
Many Tabs

- Drag them around (even between windows)
- Detach them to their own window
  - Choose where to place them on the screen
Configuring SSL CA trust – The PC5250 (Old) way!

1. Open System i Navigator.
2. Right-click the name of your system.
4. Select the Secure Sockets tab.
5. Click Download. This downloads the i5/OS certificate authority certificate automatically into the certificate key database.
6. 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)
Configuring SSL CA trust – The ACS way!

Still only needed for self-signed certificates

Relies on:
• Clicking "Yes"
Better globalization support

Just choose your codepage!

What would PC5250 require?
5250 Emulator Smart Card Authentication

July 2016
Windows only
Beyond the emulator
Data Transfer

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

Power Systems

© 2017 IBM Corporation
Remote 5250 Console Partition Selection
Management Console: cs4hmc      System: SN106159F

Type option, press Enter.
1=Connect dedicated
2=Connect shared
3=Show Details

<table>
<thead>
<tr>
<th>Option</th>
<th>Partition</th>
<th>Partition State</th>
<th>Code</th>
<th>Count</th>
<th>Console Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>1: rchm199c</td>
<td>Started</td>
<td>00000000</td>
<td>0</td>
<td>Unknown</td>
</tr>
<tr>
<td>-</td>
<td>2: rchm199d</td>
<td>Started</td>
<td>00000000</td>
<td>0</td>
<td>Unknown</td>
</tr>
</tbody>
</table>

F3=Exit    F5=Refresh    F12=Cancel
HMC Console Probe

HMC Probe Utility

HMC Information
- HMC: rchmc151d
- User: hscrroot

Probe...

Results

HMC Probe Utility

HMC Information
- HMC: rchmc5
- User: hscrroot

Probe...

Results

rchmc5
- z1533fa-9406-520-SN10E5FBA
  - 1: z1533fp1
  - 2: z1533fp2
  - 3: z1533fp3
- specfp03
- z1433ce-9117-MMB-SN100063P
- y0458e-9179-MHD-SN103383P
- x0520e-9179-MHD-SN10673FP
- z1100e-9179-MHD-SN10604AP
- x1620e-9117-MMD-SN10566-P
- y0121e-9109-RMD-SN10F02EP

5250 Console... Virtual Control Panel... Save Save As...
Printer Output

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

• Convert to .pdf
• Easily move to your desktop
ACS & Navigator

No extra sign-on !!

Welcome to the IBM Navigator for i

IBM Navigator for i provides an easy to use interface for the web-enabled IBM i management tasks, including all previous IBM i Navigator tasks on the web, and 2001 port tasks.

Expand IBM i Management in the left-hand navigation area to get started.

To see the previous version of the 2001 port tasks and where they are located now, click below.

IBM i Tasks Page
Work with Your Data

Run SQL Scripts
• Faster Startup Time
• Line Numbers
• Highlighting
• Color Coding
• Improved Usability
• Status Bar
• Stop Runaway Queries
• Find (supports Regex)
• Lots of Editor features
• Save Results .xlsx

Works on Windows, Mac & Linux!!!
IFS Files – Drag and Drop

- Copy & Paste Files
- Drag & Drop
- Import
- Export
- Same System
- Remote Systems
- Manage Files & Objects

July 2016
ACS Version 1.1.7.0 (March, 2017)

- Run SQL Scripts
  - CL Prompting
  - Enhanced SQL Highlighting
  - Show Object References
  - Upload Results
  - More “Insert from Examples”

- Schemas

- Printer Output
  - Multiple User Filter

- IFS
  - Filter
Schemas in ACS

Supported Actions:
- Definition
- Description
- Generate SQL
- Properties
- Rename
- New Database Object
- Explain
- Data
  - View
  - Clear
  - Copy
  - Initialize
- More to come...
- Actions also enabled in Visual Explain
### Database Navigator enhancements

- IBM i Access Client Solutions (ACS) improvements for database users

<table>
<thead>
<tr>
<th>Navigator Feature</th>
<th>IBM i ACS Version 1.1.5.0 (December/2015)</th>
<th>IBM i ACS Version 1.1.6.0 (~July/2016)</th>
<th>IBM i ACS Version 1.1.7.0 (~December/2016)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Run SQL Scripts</td>
<td>Initial/Partial support</td>
<td>Add CL Prompter, Statement formatter, JDBC connection manager, and others</td>
<td>SQL Assist (statement builder)</td>
</tr>
<tr>
<td>Analyze</td>
<td>Initial/Full support</td>
<td>No changes needed</td>
<td>No changes needed</td>
</tr>
<tr>
<td>Graphical Debugger</td>
<td>Initial/Full support</td>
<td>No changes needed</td>
<td>No changes needed</td>
</tr>
<tr>
<td>Visual Explain</td>
<td>Not supported</td>
<td>Initial/Full support</td>
<td>No changes needed</td>
</tr>
<tr>
<td>Show Statements</td>
<td>Not supported</td>
<td>Initial/Full support</td>
<td>No changes needed</td>
</tr>
<tr>
<td>Compare Monitors</td>
<td>Not supported</td>
<td>Initial/Full support</td>
<td>No changes needed</td>
</tr>
</tbody>
</table>

**Below this line are those features that will only exist within Navigator for i (browser)**

<table>
<thead>
<tr>
<th>Feature</th>
<th>IBM i ACS Version 1.1.5.0 (December/2015)</th>
<th>IBM i ACS Version 1.1.6.0 (~July/2016)</th>
<th>IBM i ACS Version 1.1.7.0 (~December/2016)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Schema Folders (and object actions)</td>
<td>Use Navigator for i</td>
<td>Use Navigator for i</td>
<td>Use Navigator for i</td>
</tr>
<tr>
<td>Index Advisor</td>
<td>Use Navigator for i</td>
<td>Use Navigator for i</td>
<td>Use Navigator for i</td>
</tr>
<tr>
<td>DB2 Health Center</td>
<td>Use Navigator for i</td>
<td>Use Navigator for i</td>
<td>Use Navigator for i</td>
</tr>
<tr>
<td>Database Maintenance</td>
<td>Use Navigator for i</td>
<td>Use Navigator for i</td>
<td>Use Navigator for i</td>
</tr>
<tr>
<td>Transactions</td>
<td>Use Navigator for i</td>
<td>Use Navigator for i</td>
<td>Use Navigator for i</td>
</tr>
<tr>
<td>OmniFind Text Search</td>
<td>Use Navigator for i</td>
<td>Use Navigator for i</td>
<td>Use Navigator for i</td>
</tr>
<tr>
<td>View Journal Entries</td>
<td>Use Navigator for i</td>
<td>Use Navigator for i</td>
<td>Use Navigator for i</td>
</tr>
</tbody>
</table>

How do you get the product....

• Product Web Site – Core ACS Package
  – http://www-03.ibm.com/systems/power/software/i/access/solutions.html

• Application Packages – ESS
  – Windows Application Package
    IBM_i_Access_Client_Solutions_-_Win_AP_LCD#_*.zip
    Contains 32bit and 64bit Windows installers

  – Linux Application Package
    IBM_i_Access_Client_Solutions_-_Linux_AP_LCD#_*.zip
    Contains Linux RPM and Debian installers
This document was developed for IBM offerings in the United States as of the date of publication. IBM may not make these offerings available in other countries, and the information is subject to change without notice. Consult your local IBM business contact for information on the IBM offerings available in your area.

Information in this document concerning non-IBM products was obtained from the suppliers of these products or other public sources. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

IBM may have patents or pending patent applications covering subject matter in this document. The furnishing of this document does not give you any license to these patents. Send license inquiries, in writing, to IBM Director of Licensing, IBM Corporation, New Castle Drive, Armonk, NY 10504-1785 USA.

All statements regarding IBM future direction and intent are subject to change or withdrawal without notice, and represent goals and objectives only.

The information contained in this document has not been submitted to any formal IBM test and is provided "AS IS" with no warranties or guarantees either expressed or implied.

All examples cited or described in this document are presented as illustrations of the manner in which some IBM products can be used and the results that may be achieved. Actual environmental costs and performance characteristics will vary depending on individual client configurations and conditions.

IBM Global Financing offerings are provided through IBM Credit Corporation in the United States and other IBM subsidiaries and divisions worldwide to qualified commercial and government clients. Rates are based on a client's credit rating, financing terms, offering type, equipment type and options, and may vary by country. Other restrictions may apply. Rates and offerings are subject to change, extension or withdrawal without notice.

IBM is not responsible for printing errors in this document that result in pricing or information inaccuracies.

All prices shown are IBM's United States suggested list prices and are subject to change without notice; reseller prices may vary.

IBM hardware products are manufactured from new parts, or new and serviceable used parts. Regardless, our warranty terms apply.

Any performance data contained in this document was determined in a controlled environment. Actual results may vary significantly and are dependent on many factors including system hardware configuration and software design and configuration. Some measurements quoted in this document may have been made on development-level systems. There is no guarantee these measurements will be the same on generally-available systems. Some measurements quoted in this document may have been estimated through extrapolation. Users of this document should verify the applicable data for their specific environment.