My emulator is better than your emulator!

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Before we get started.....

- A little background/history on IBM i Access family
IBM i Access Family

- The r7.2 / r7.1 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 and Printer Emulation
      - 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
    - Very robust capability that has been well received
      - 5250 Display
      - 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
      - Remote Command

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 (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 Availability History

- On April 24th 2012 IBM Announced the Technology Preview of IBM i Access Client Solutions

- Open Technology Preview of the core client features available July 2, 2012
  - Update to the Technology Preview were released the end of October 2012 and again the end of May 2013
  - Beginning with the May 2013 Technology Preview version all
    Technology Preview versions will have a 120 day expiration
    • A new Technology Preview will be released with each GA release or update

- On May 28th 2013 IBM Announced the product will GA on June 14th 2013

- Most recent release: version 1.1.4. February 2015

- Information on obtaining the GA or Technology Preview versions of the client is available off of the product website
  • http://www-03.ibm.com/systems/power/software/i/access/solutions.html

Product Availability

- IBM i Access Client Solutions is identified as LPP 5733-XJ1
  • Not an IBM i OS installable LPP

- The GA version of the product is available to customers with valid SWMA and IBM i OS r6.1, r7.1 or r7.2 and is downloaded from the IBM Entitled Software Support (ESS) website
  • Technote with example instructions

- Product distributed in zip files
  • Platform Independent Core Java product
    • IBM_i_Access_Client_Solutions_LCD#_*.zip
    • Contains product jar and other supporting files

  • 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
Frequently-asked Questions

• 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

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?
Agenda

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

Can your emulator do this?
My emulator (and all its settings/profiles) can live here...
Or here...

Or here!
Or here!

How about yours?

afile\smb1.rchland.ibm.com (Z:)

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68.6 GB free of 68.6 GB

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How about deployment time?
• go from "just downloaded" to "deployed and running" in...

Less than a minute!

Really?

Yes, really!
1. Extract the downloaded .zip file
2. browse into the Start_Programs directory
3. Find the appropriate launcher and double-click!
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 cwbback.exe and cwbrest.exe utilities with IBM i Access for Windows?

How about new features?

Mouse wheel recognition!
How about new features?

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

Mouse wheel default options

• Edit->Preferences->Mouse Wheel
Mouse wheel options – How Jesse likes it!!

Why?

Can your emulator do this?
Image watermarks

Text watermarks
Text Watermark – Special keywords

- `&COMPN` 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*
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

Menu item or <ctrl>+T
Tab behavior is customizable!

- Edit->Preferences->Tab Setup

Yes, you can switch between 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)
Enhanced batch files
"Multiple sessions" types shows up in my 5250 session manager (just like with PC5250)

The stored .bchx contains positioning, session id, and tab information!
Running the .bchx file results in everything exactly how I want it!

Anyone keeping score?

Don’t worry… We’re not done yet!
How about SSL?

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

Configuring SSL CA trust – The PC5250 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"

Screen History

- Screen History Options:
  - Screen History: Yes
  - History Screen Type: Traditional (Screen)
### Work with Output Queue

**Queue:** OPRINT  **Library:** QGPL  **Status:** RLS

<table>
<thead>
<tr>
<th>Opt</th>
<th>File</th>
<th>User</th>
<th>User Data</th>
<th>Site</th>
<th>Pages</th>
<th>Copied</th>
<th>Form</th>
<th>Type</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
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<td>QSYSPRT QSECOFR</td>
<td>CRICICIM</td>
<td>RDY</td>
<td>1</td>
<td>1</td>
<td>*STD</td>
<td></td>
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<td></td>
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<tr>
<td></td>
<td>QPS3PROM QSYS</td>
<td>RDY</td>
<td>1</td>
<td>1</td>
<td>*STD</td>
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<td></td>
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<tr>
<td></td>
<td>QPRINT QSYS</td>
<td>RDY</td>
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<td>*STD</td>
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<tr>
<td></td>
<td>QPS3PLIB DHOQ</td>
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</tr>
<tr>
<td></td>
<td>QPS3PLIB DHOQ</td>
<td>RDY</td>
<td>1</td>
<td>1</td>
<td>*STD</td>
<td></td>
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<td>1</td>
<td>*STD</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>QPRINT QSYS</td>
<td>RDY</td>
<td>1</td>
<td>1</td>
<td>*STD</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>REQUESTQ QSECOFR SQL</td>
<td>RDY</td>
<td>34</td>
<td>1</td>
<td>*STD</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**Parameters for options 1, 2, 3 or command**

F3=Exit  F7=View  F12=Cancel  F28=Writers  F22=Printers
F24=More keys

---

**Screen History Board**
History Screen

- 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.

Default Profile

- The default profile is always used when configuring new session profiles.
- Are you sure you wish to overwrite the default profile to match the current emulator session properties?
Default Profile

- 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)

Print Support

- ACS supports Host Print Transform (HPT)
Print Support

• ACS supports Printer Definition Tables (PDT)

New Java printing option

NOTE: Only works with plain text *SCS spool files

NOTE: Works with any installed printer!

NOTE: Doesn’t require HPT/PDT configuration!
Session Manager "active sessions"

Better globalization support

Just choose your codepage!

What would PC5250 require?
### PC5250/PCOMM vs ACS

<table>
<thead>
<tr>
<th>Feature</th>
<th>PC5250/PCOMM</th>
<th>ACS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5250 display emulation</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>5250 print emulation</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Runs on Mac, Linux, AIX, and Solaris</td>
<td>✗</td>
<td>✔</td>
</tr>
<tr>
<td>Deployment time</td>
<td>10-15 MINUTES</td>
<td>&lt;60 seconds</td>
</tr>
<tr>
<td>Can run from thumb drive or network share</td>
<td>✗</td>
<td>✔</td>
</tr>
<tr>
<td>Can automatically push out config to end users</td>
<td>✗</td>
<td>✔</td>
</tr>
<tr>
<td>Mouse wheel recognition</td>
<td>✗</td>
<td>✔</td>
</tr>
<tr>
<td>Image watermarks</td>
<td>✗</td>
<td>✔</td>
</tr>
<tr>
<td>Text watermarks</td>
<td>✗</td>
<td>✔</td>
</tr>
<tr>
<td>Tabs!</td>
<td>✗</td>
<td>✔</td>
</tr>
<tr>
<td>Enhanced batch files support</td>
<td>✗</td>
<td>✔</td>
</tr>
<tr>
<td>Easy SSL certificate trust</td>
<td>✗</td>
<td>✔</td>
</tr>
</tbody>
</table>

*Will let you open a saved request, but not save a new request.*
<table>
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<tr>
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<th>PC5250/PCOMM</th>
<th>ACS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screen History</td>
<td>✗</td>
<td>✓</td>
</tr>
<tr>
<td>&quot;Set as Default Profile&quot;</td>
<td>✗</td>
<td>✓</td>
</tr>
<tr>
<td>Printing via PDT and HPT</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Printing with neither HPT nor PDT needing to be configured</td>
<td>✗</td>
<td>✓</td>
</tr>
<tr>
<td>&quot;Active Sessions&quot; on Session Manager</td>
<td>✗</td>
<td>✓</td>
</tr>
<tr>
<td>Multiple host codepages</td>
<td>✗</td>
<td>✓</td>
</tr>
</tbody>
</table>

Summary

The ACS emulator is better than PC5250!!

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