Power Systems

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System Management and Access on IBM i

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Business Architect
System Management

Before we get started…..

- A little background/history on IBM i Access family
- A Discussion on Strategy

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What is System Access & Management

User Accessing the IBM i

Managing IBM i System

DB Engineer playing with the DB2 on i

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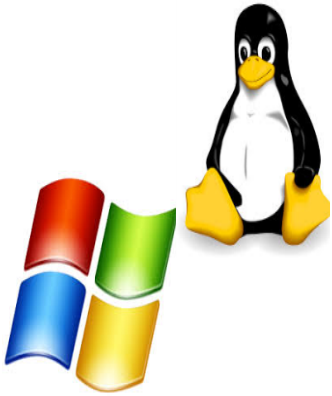
Strategy

Windows Install Only



Any Device

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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!

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Answers

Solution themes

- Device & OS Neutral
- Flexible
- Easy to install and maintain
- Simple for a single user or 1000’
- Improved administrator situation
- Cost effective to create

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iAccess for Windows

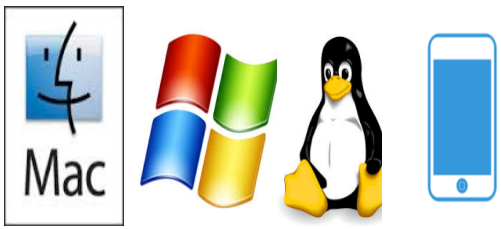
Navigator

iAccess Mobile

Access Client Solutions

Application Runtime Expert

DB2 SQL



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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 i Services
      - Commands
      - Jobs
  - 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!

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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

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Product Availability

- IBM i Access Client Solutions is identified as LPP 5733-XJ1
  - Not an IBM i OS installable LPP – Client Device only!
  - http://www-03.ibm.com/systems/power/software/i/access/solutions.html
- 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

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Frequently-asked Questions

- Supported connecting to IBM i OS r7.2, r7.1 and r6.1 (5.4, 5.3, 5.2,…)

- 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

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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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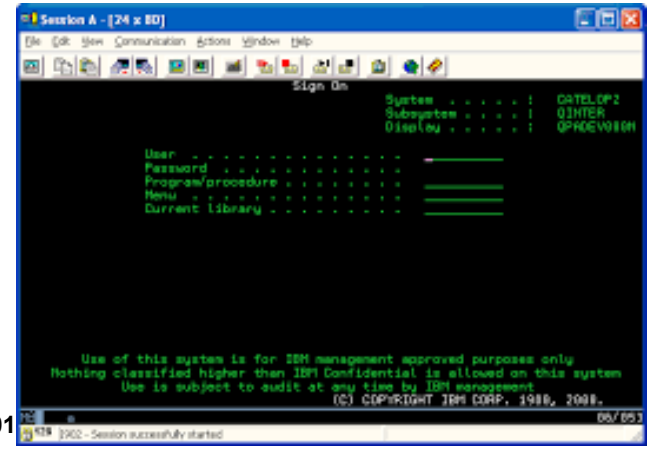
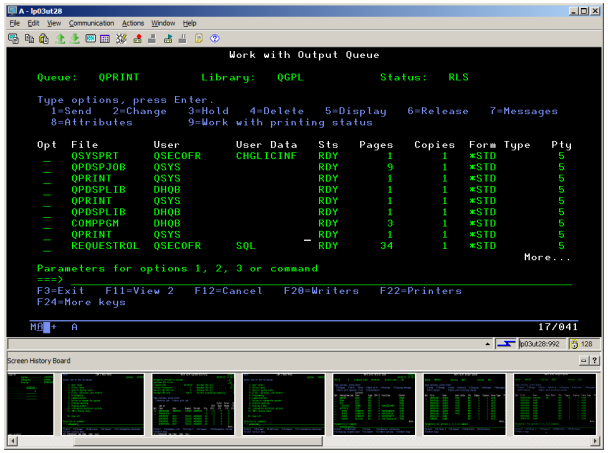
Lets Compare….

iAccess for Windows – PC5250



VS

ACS – 5250 Emulator



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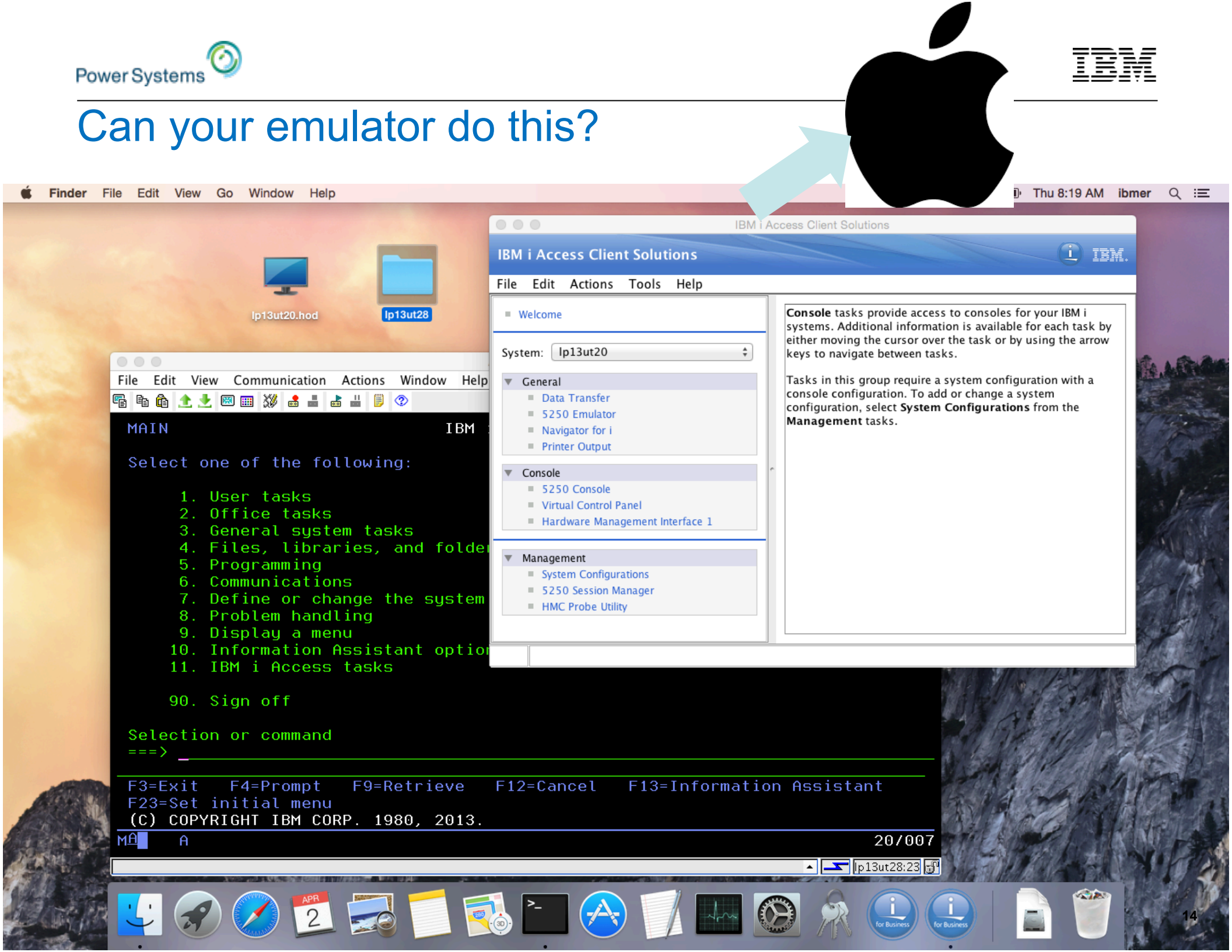
Can your emulator do this?



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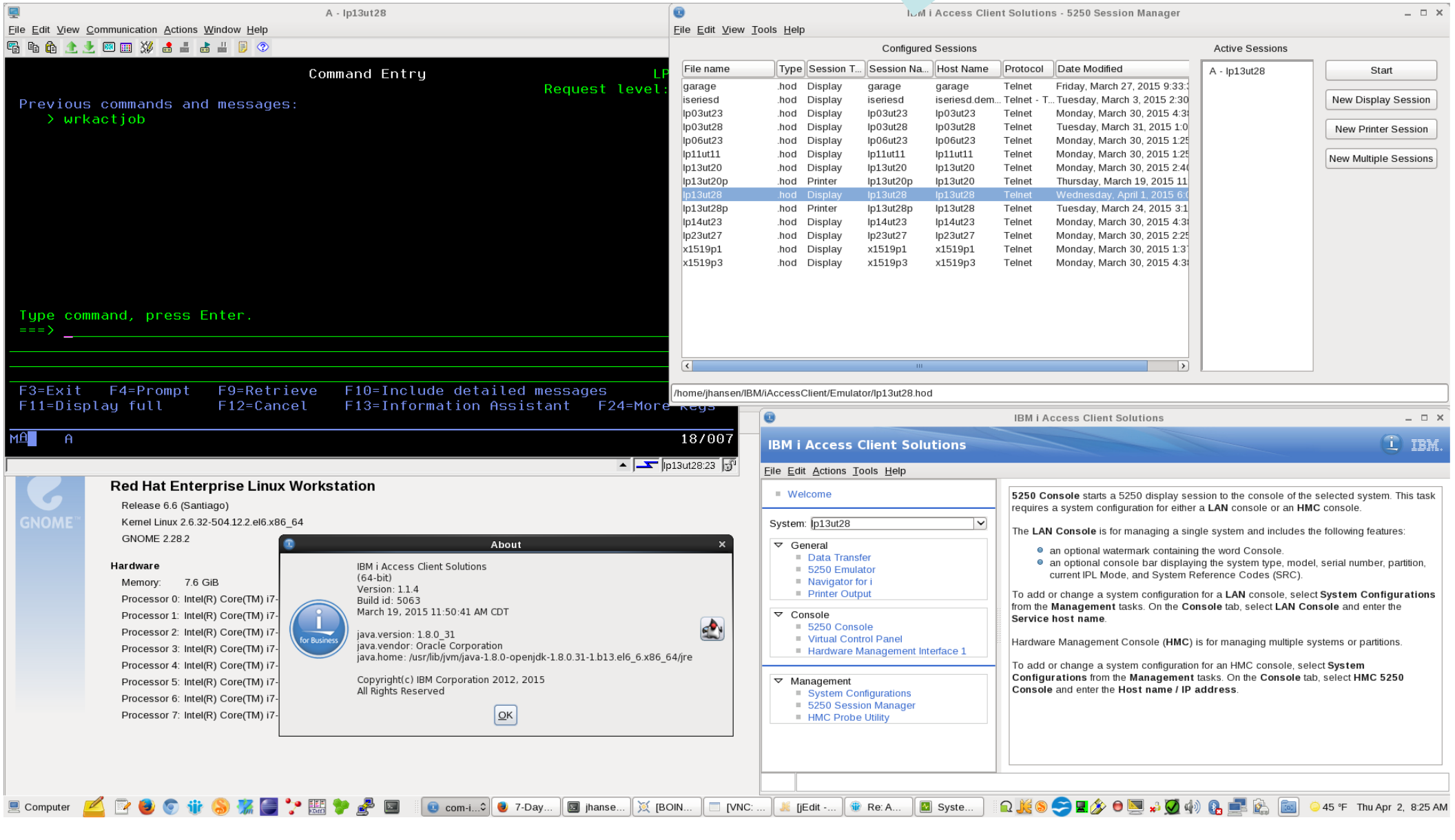
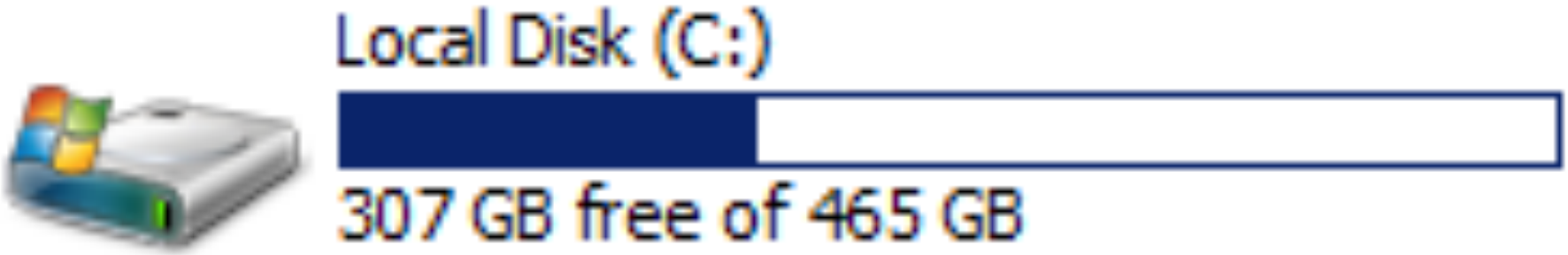
Or this?



My emulator (and all its settings/profiles) can live here…



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Or here…

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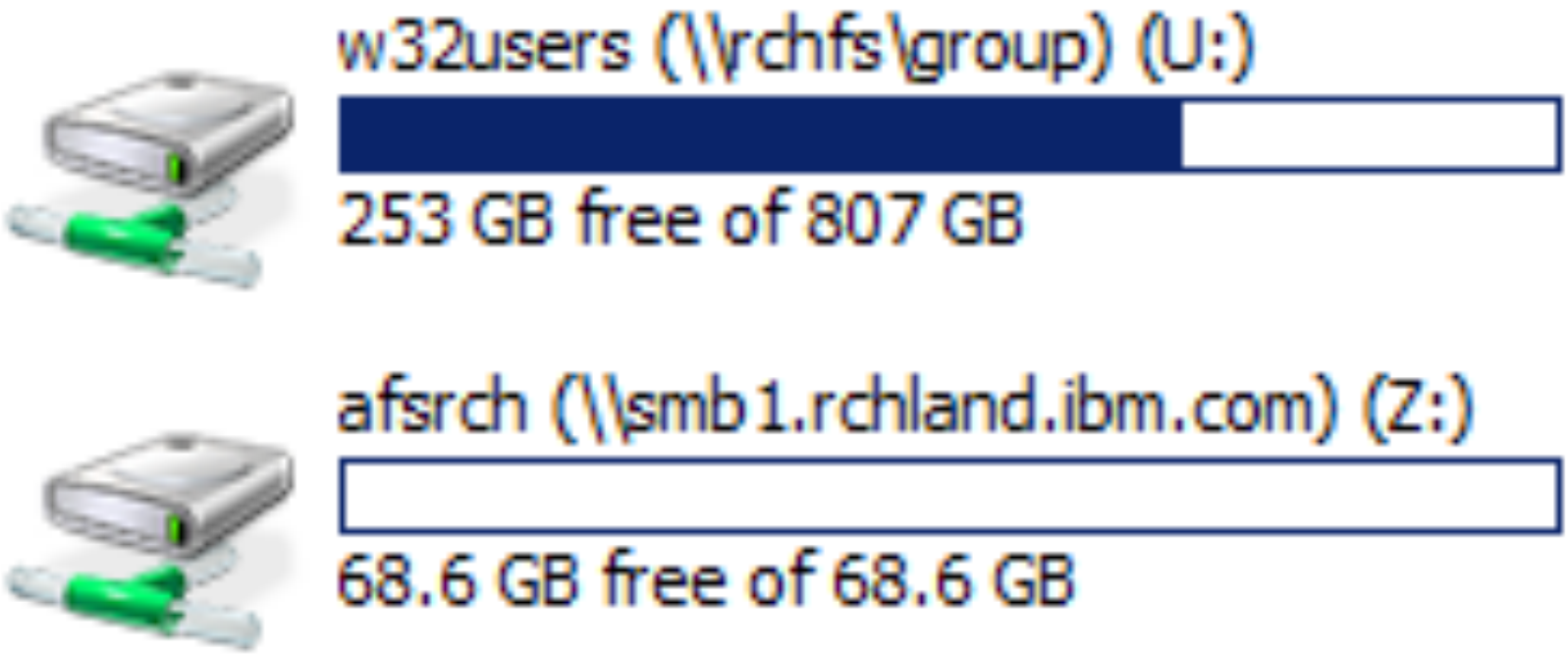
Or here!



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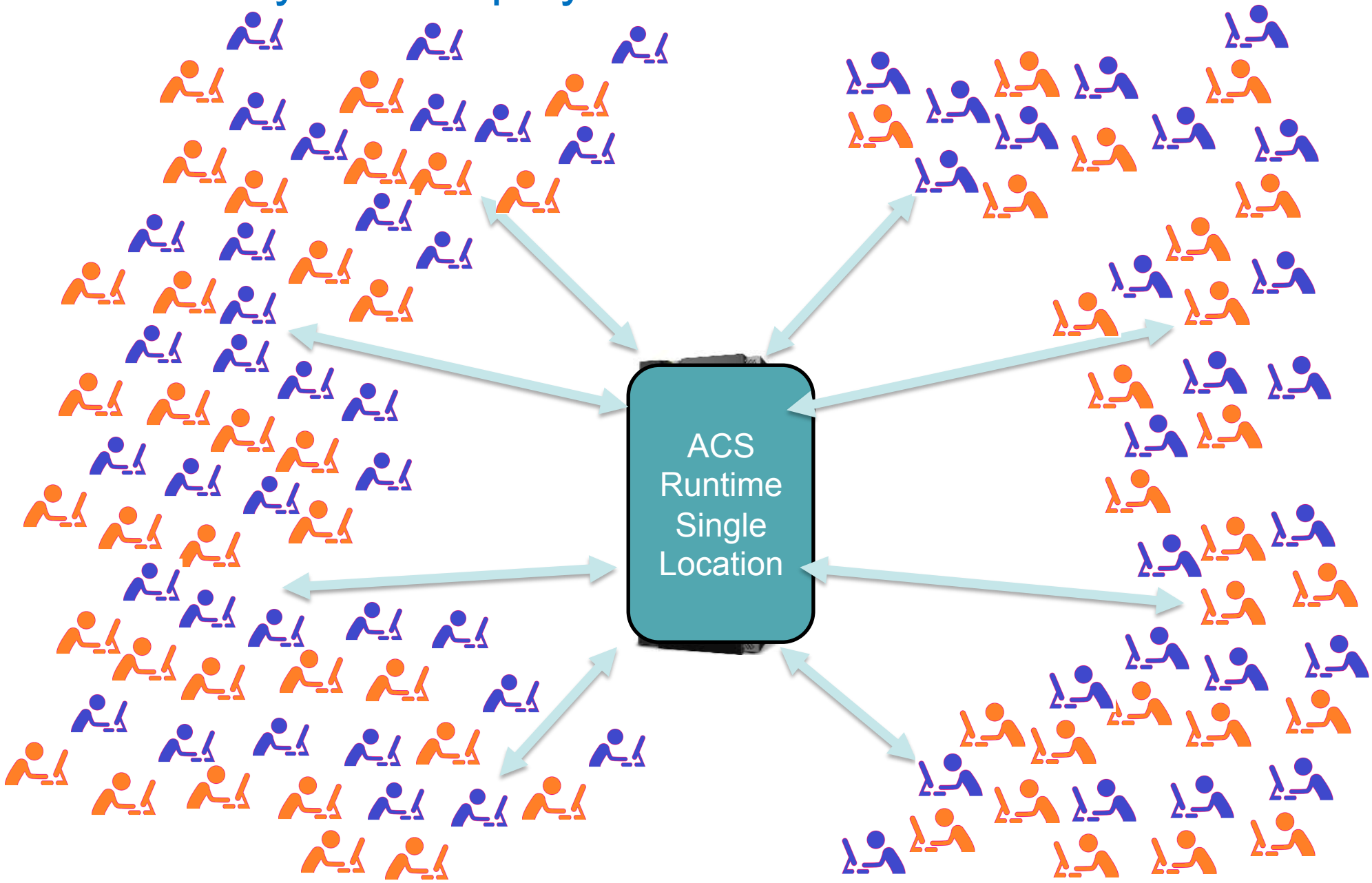
Central System Deployment



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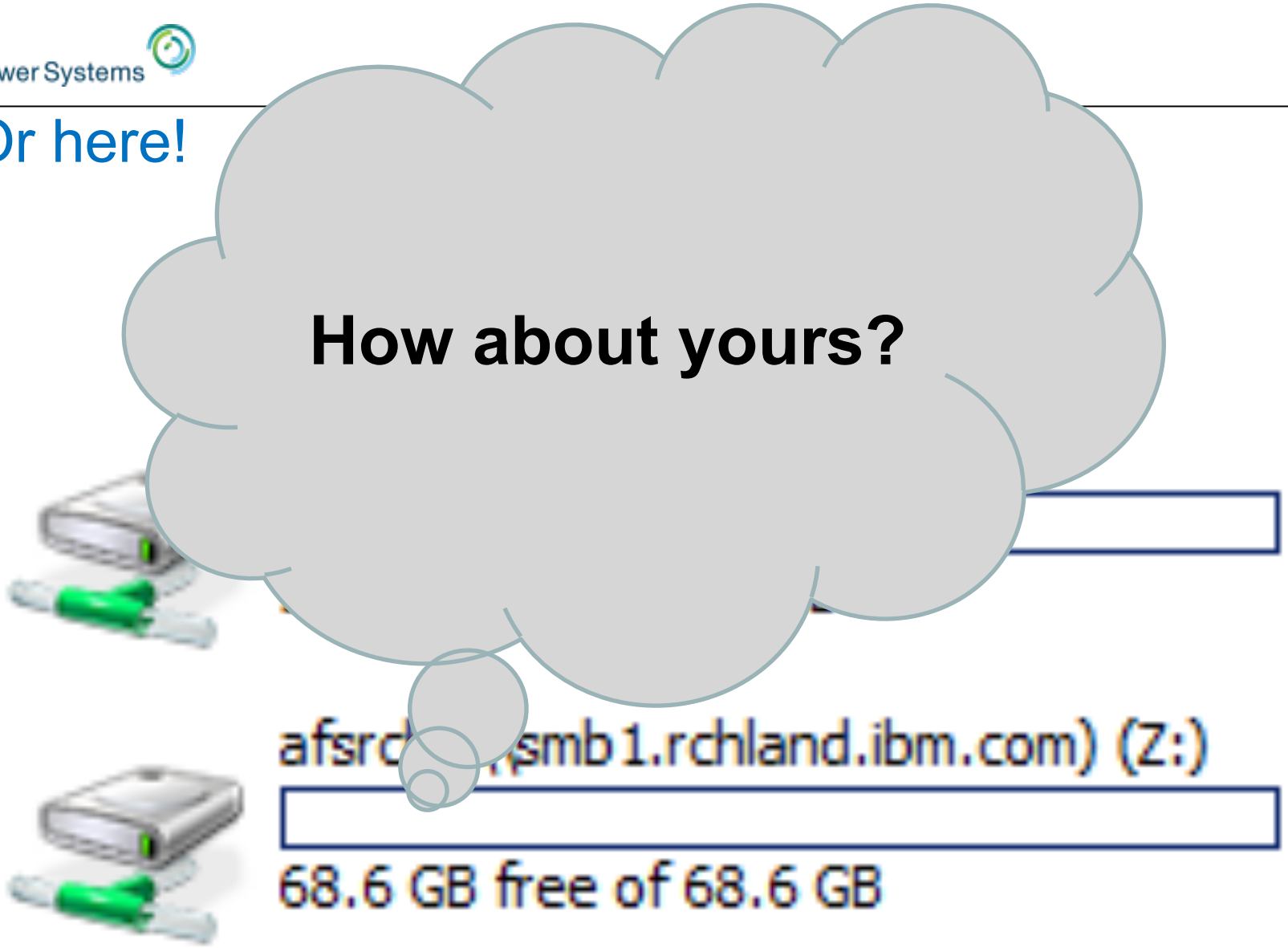
Or here!



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How do you get it ???

ESS ?

EASY WEB DOWN LOAD!

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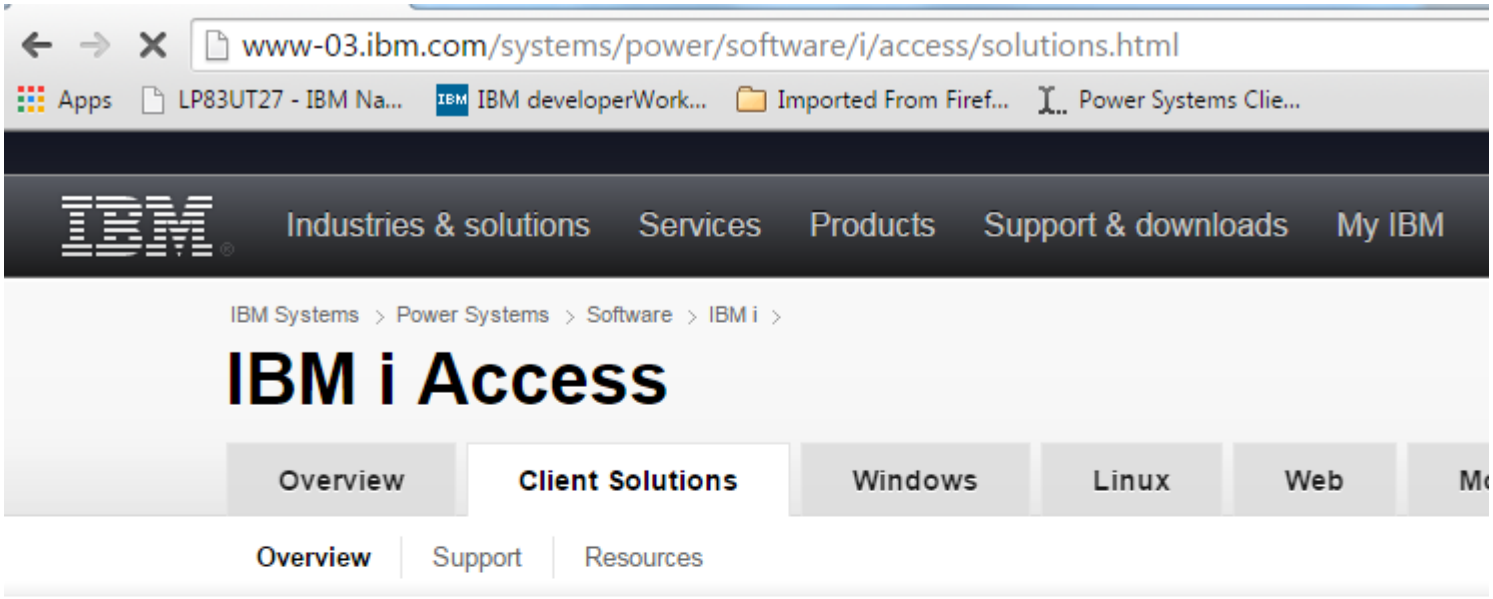
NEW in the Past 3 Months!!!



IBM i Access Client Solutions is the newest member of the IBM i Access family. It provides a Java based, platform-independent interface that runs on most operating systems that support Java, including Linux, Mac, and Windows™.

Access videos

- Introduction to IBM i Access Client Solutions (00:01:17)
- All IBM i Access videos

IBM i Access Client Solutions consolidates the most commonly used tasks for managing your IBM i into one simplified location. The latest version of IBM i Access Client Solutions is available to customers with an IBM i software maintenance contract.

→ Download IBM i Access Client Solutions base package
→ QuickStartGuide
→ GettingStarted
↓ Updates

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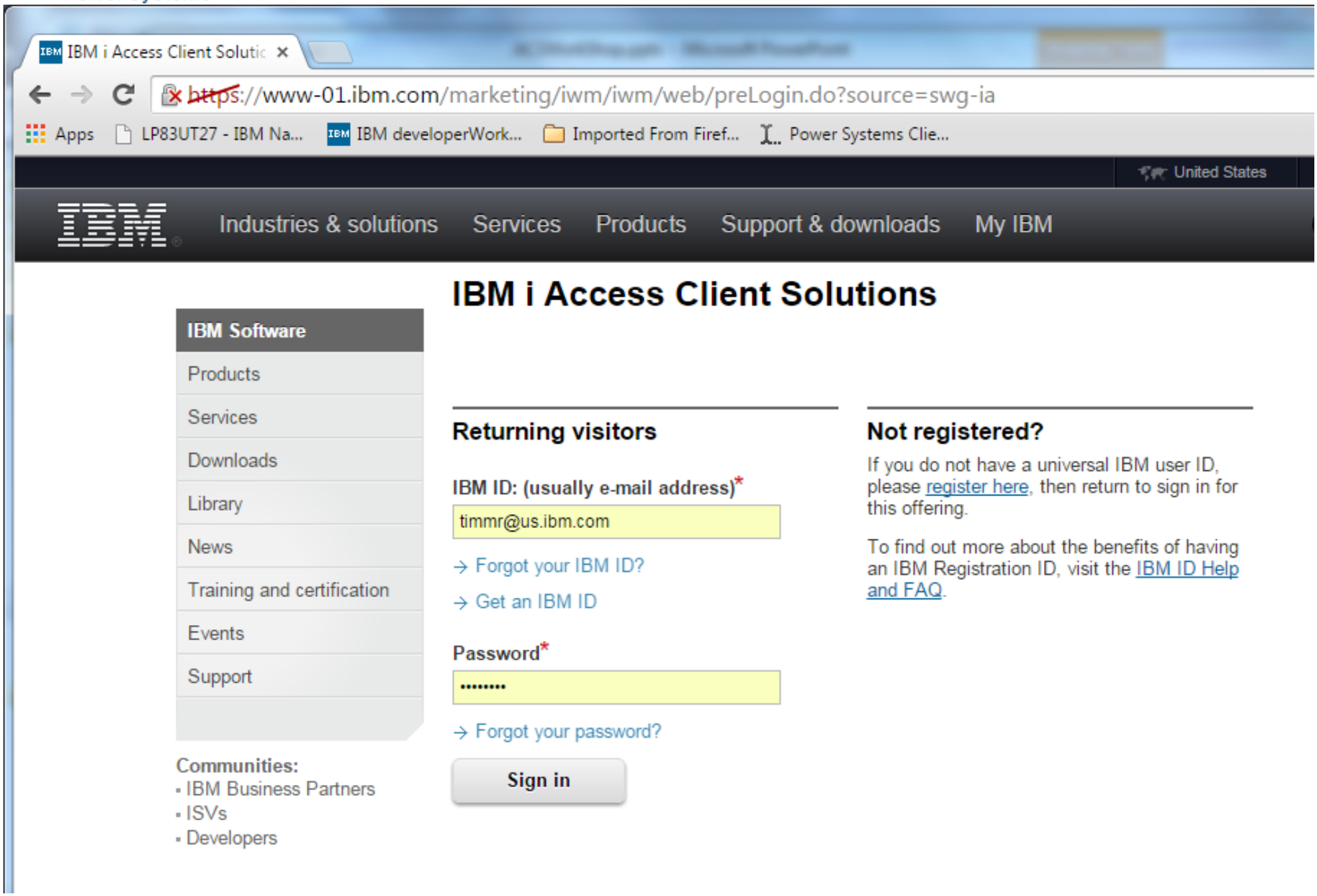

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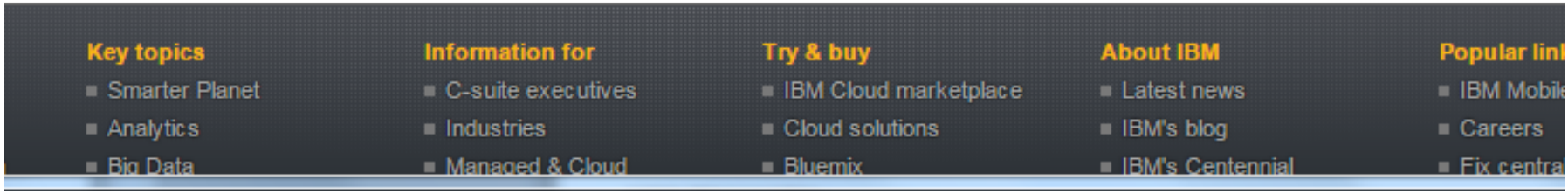
I confirm I cancel



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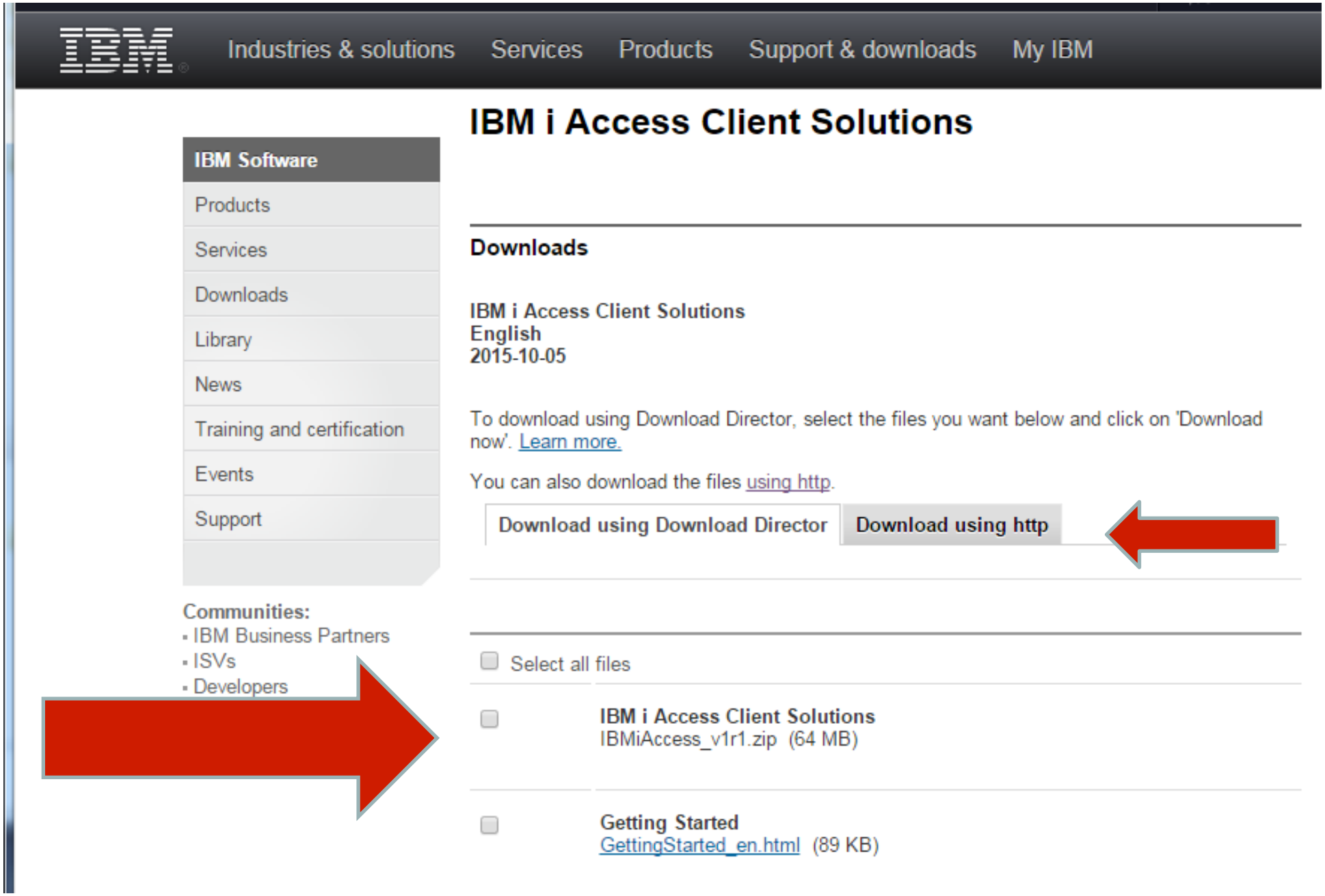

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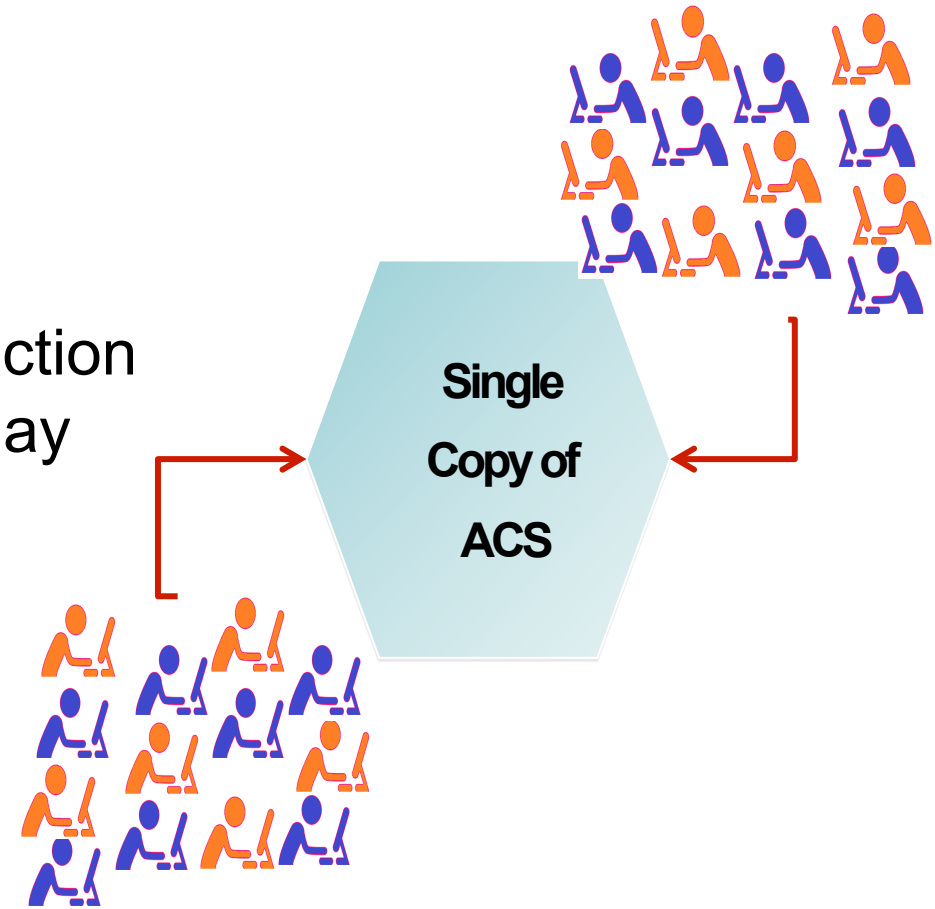
Improved ACS User Deployment – Singe & Multi User

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



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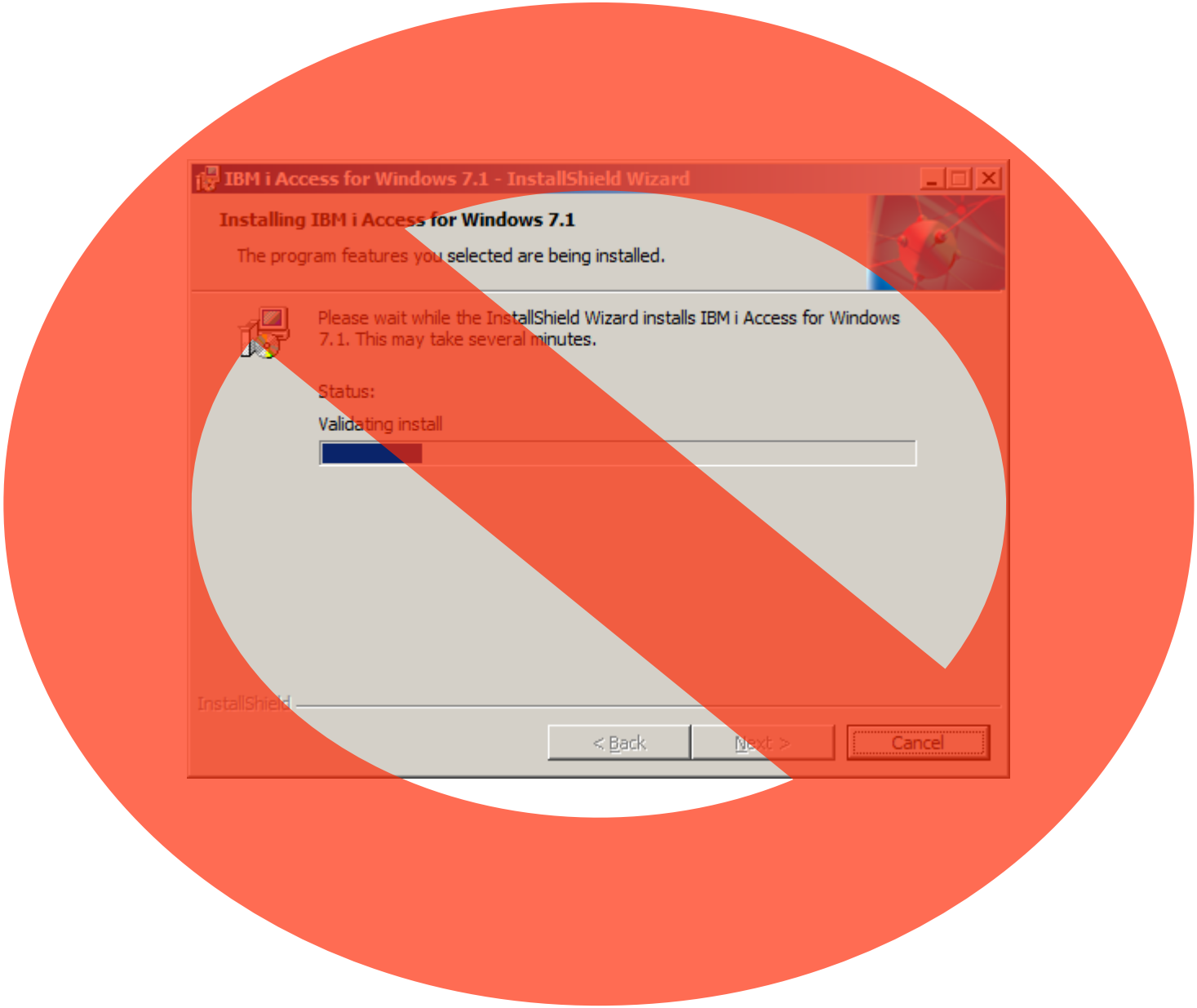
How about deployment time?



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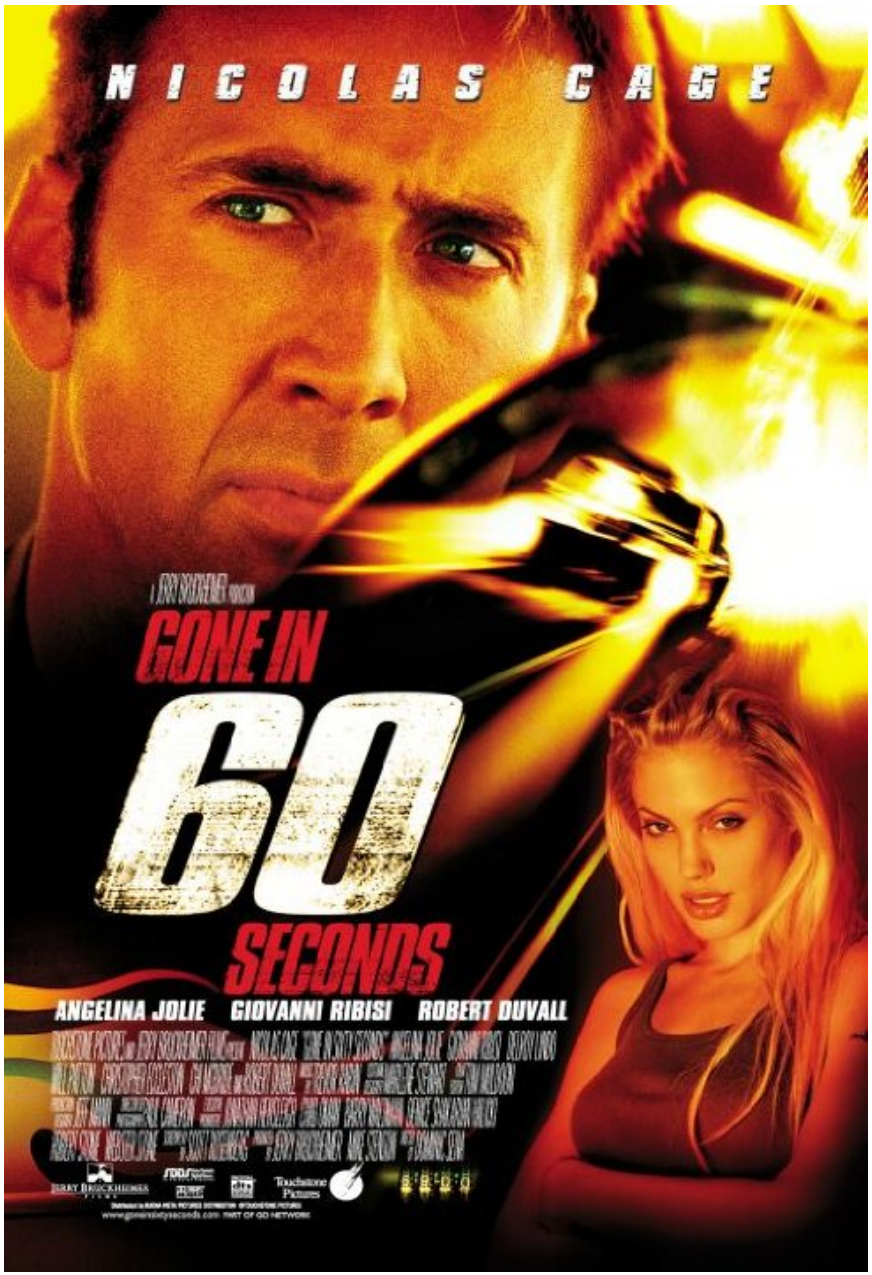
- go from "just downloaded" to "deployed and running" in…

Less than a minute!



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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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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

- Article on deployment!!!

http://www.ibm.com/developerworks/ibmi/library/i-ibmi-access-client-solutions-customization-trs/index.html?ca=drs-

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How about new features?

Mouse wheel recognition!

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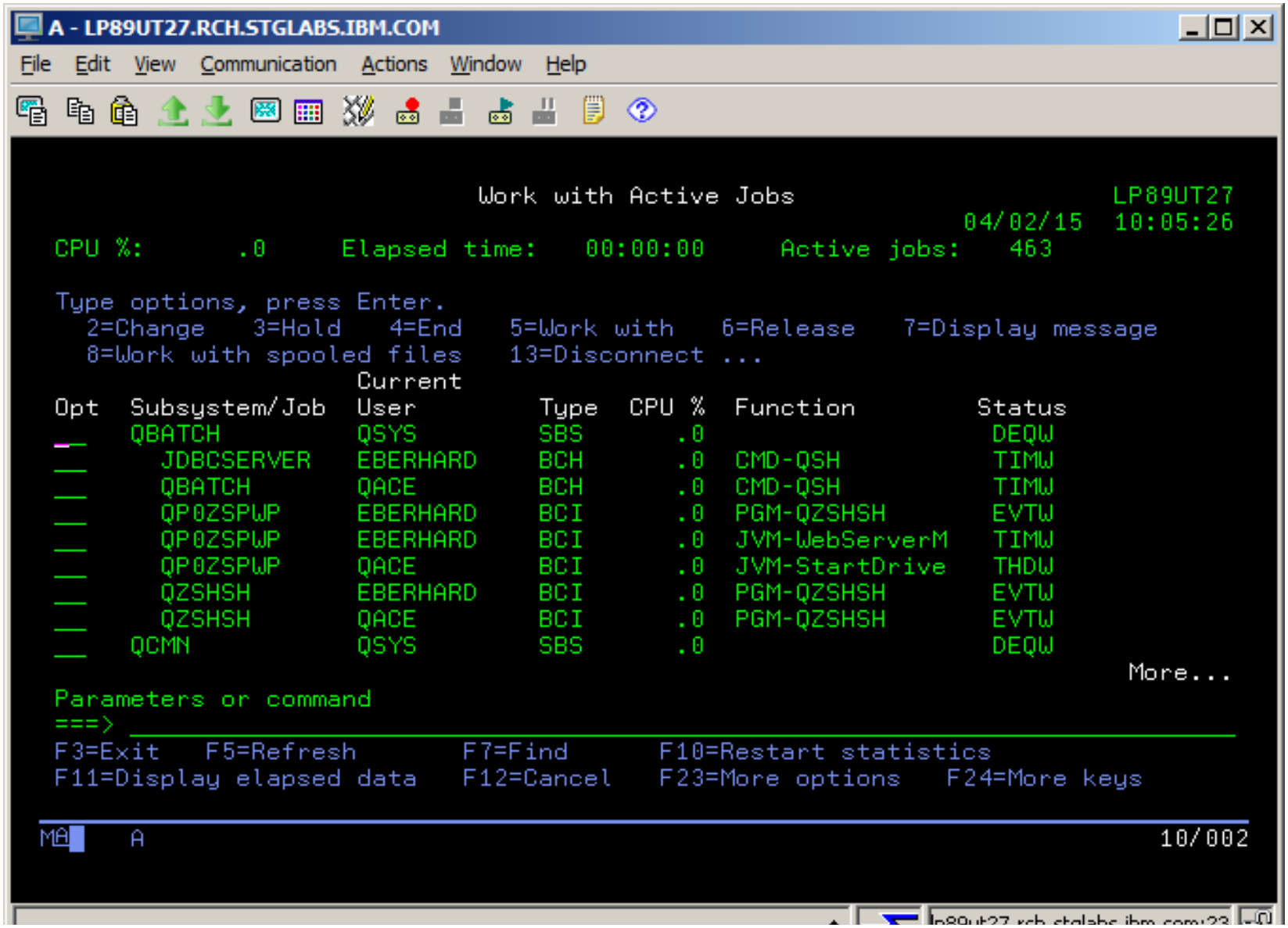
How about new features?



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

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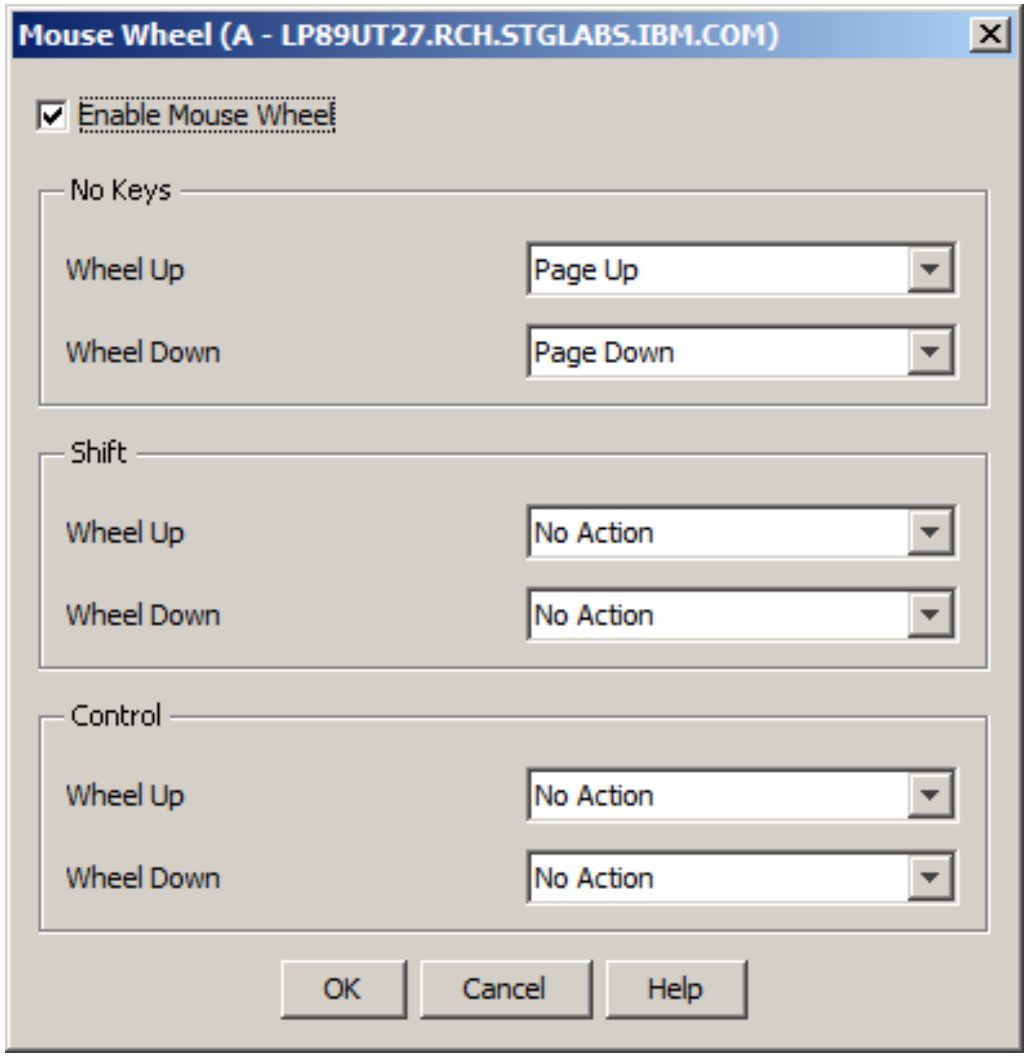
Mouse wheel default options

- Edit->Preferences->Mouse Wheel



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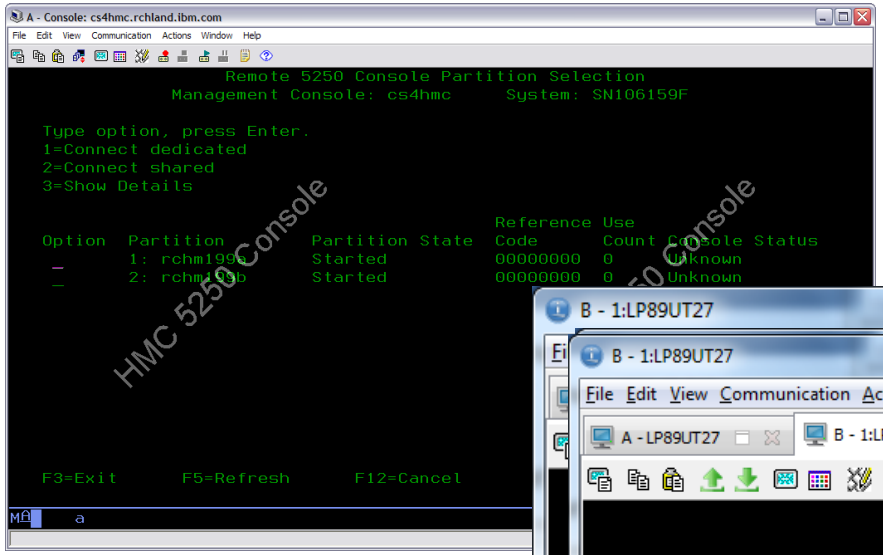
Watermark Support??



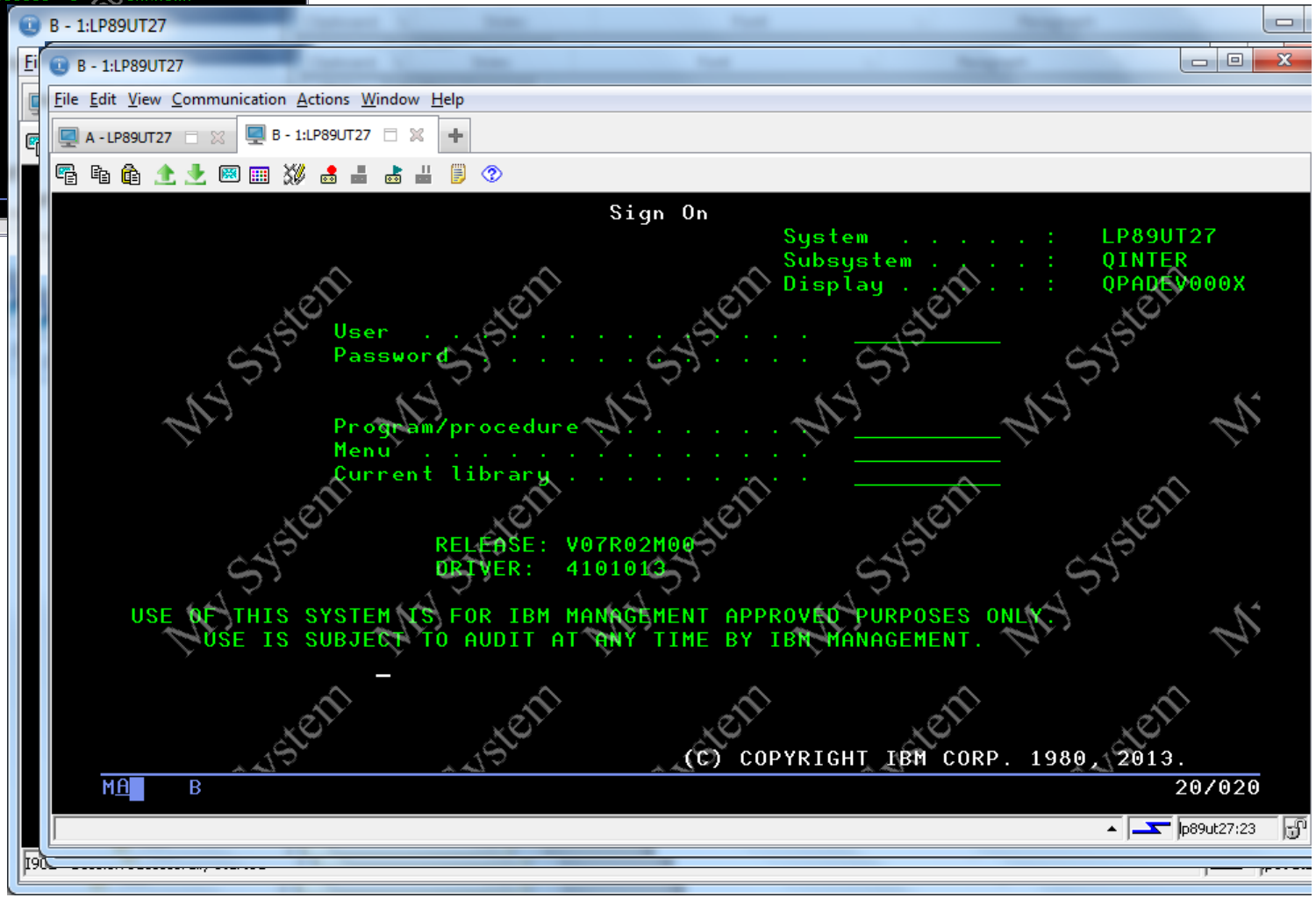


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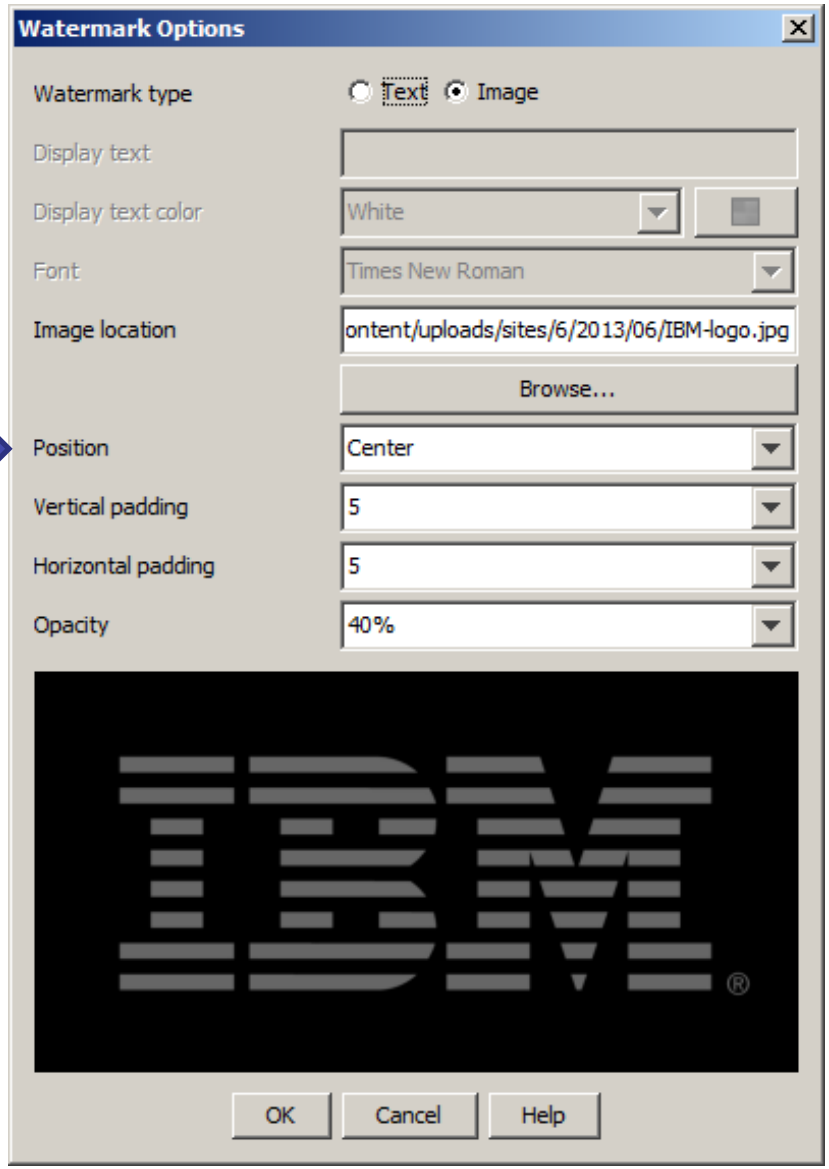
Image watermarks

Center, tile, or stretch!



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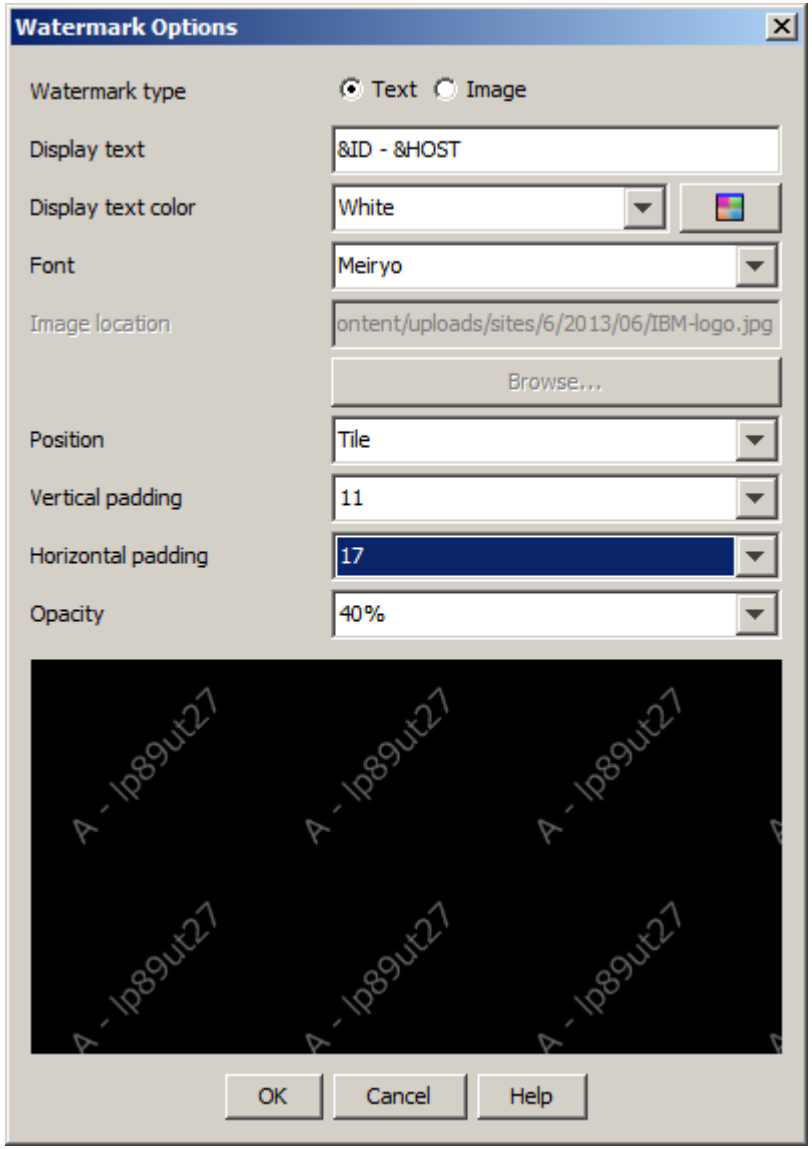
Text watermarks



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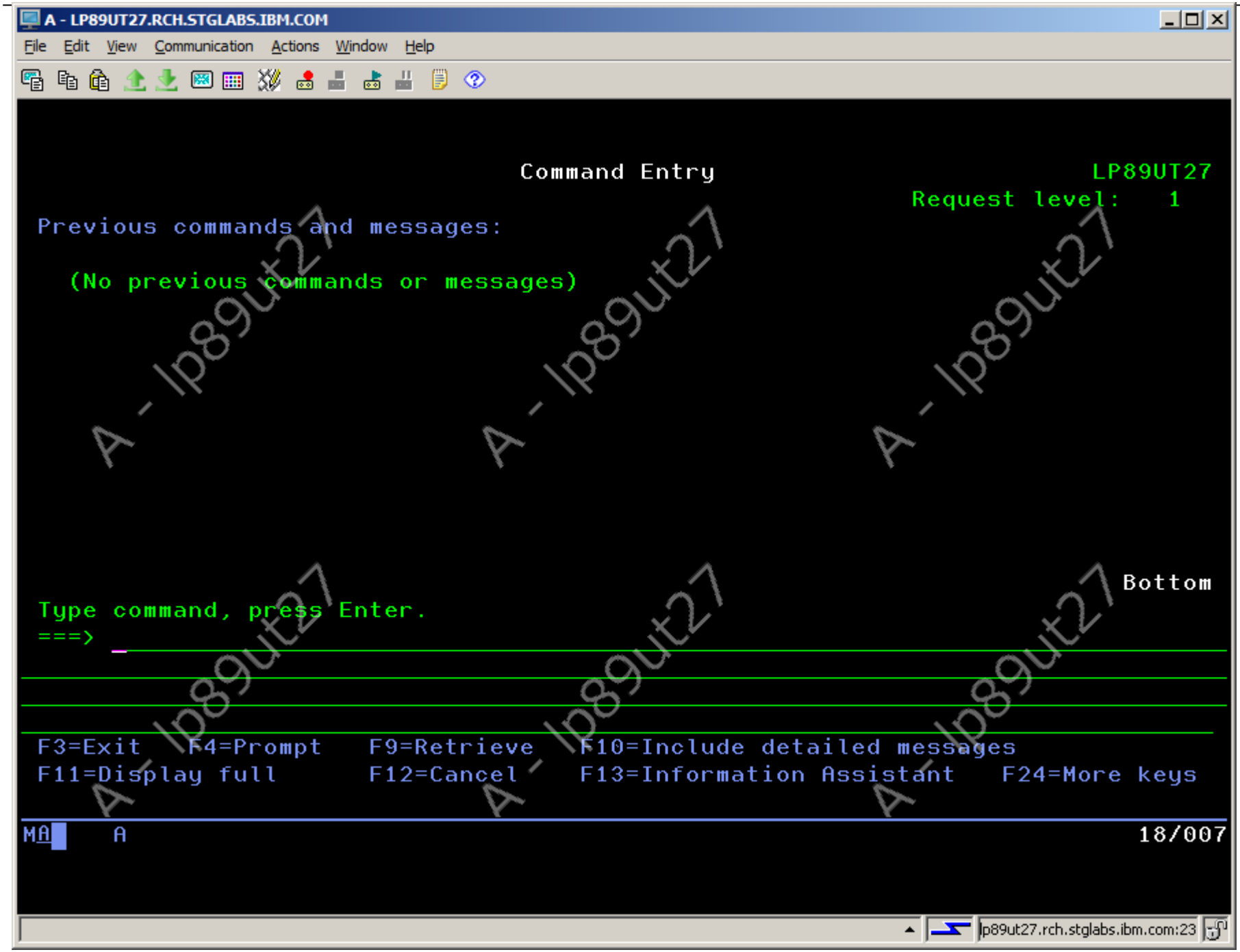

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Text Watermark – Special keywords

- **&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

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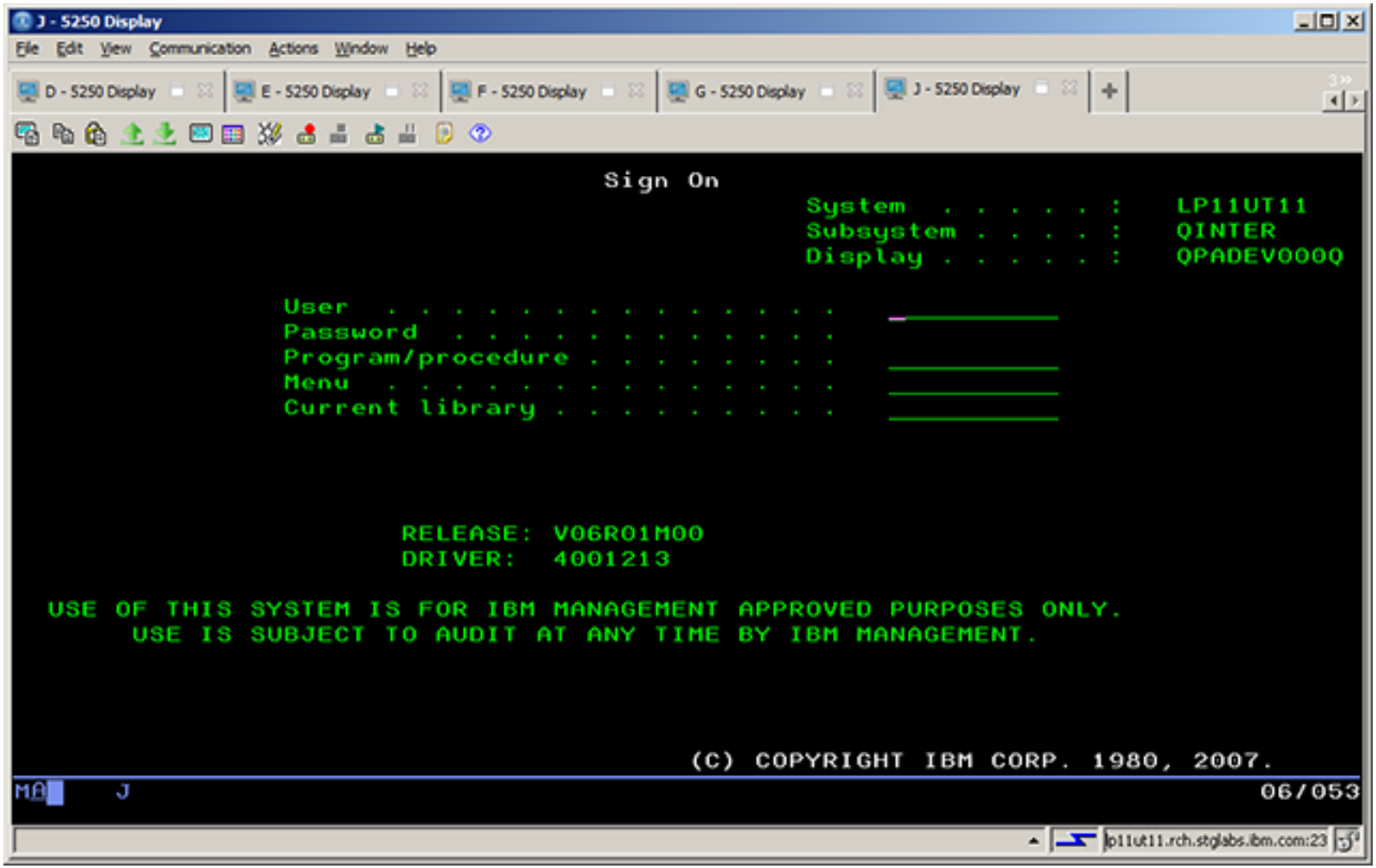
Oh, yeah, and my emulator has TABS!
How does that make you feel?



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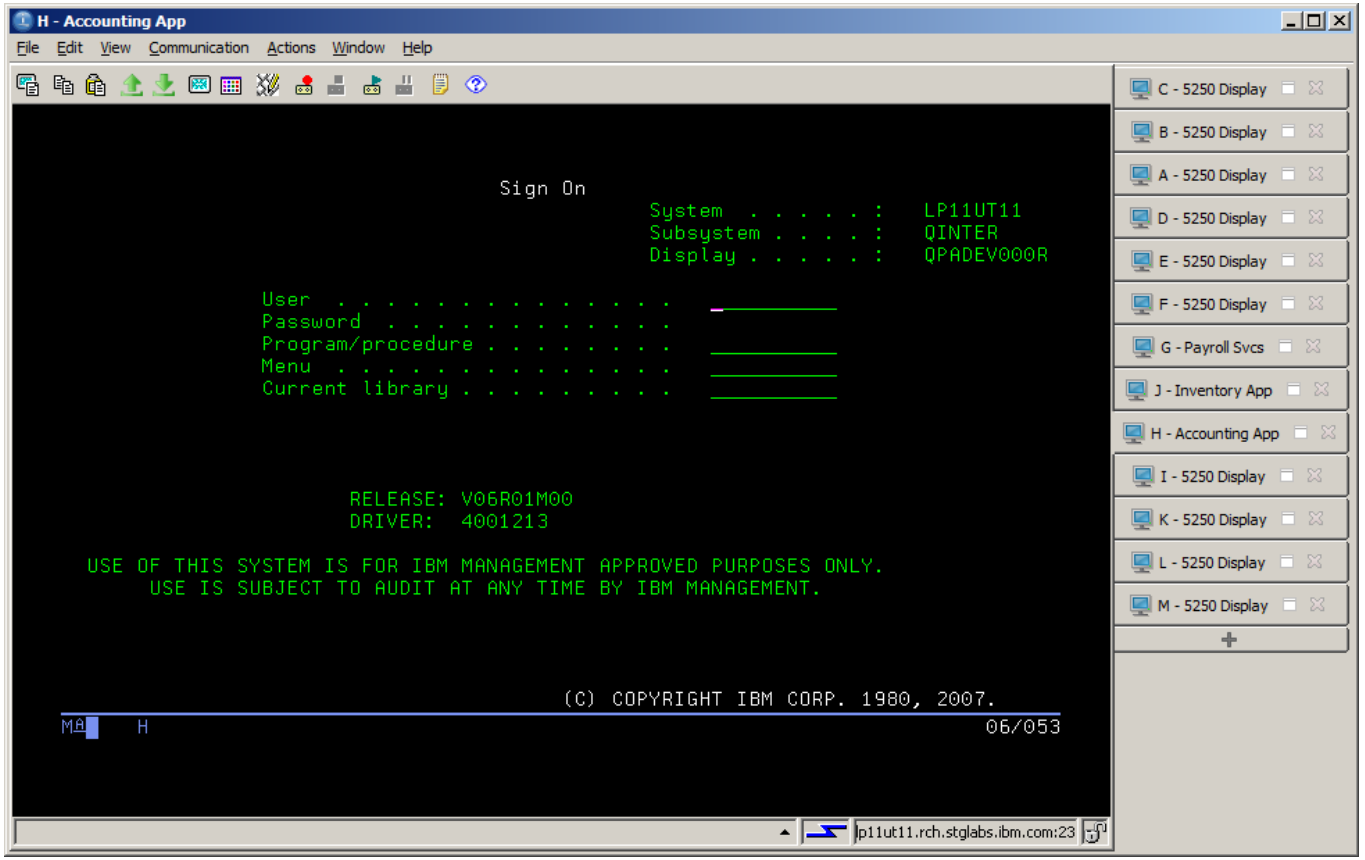
And you can do a bunch with them!

- 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



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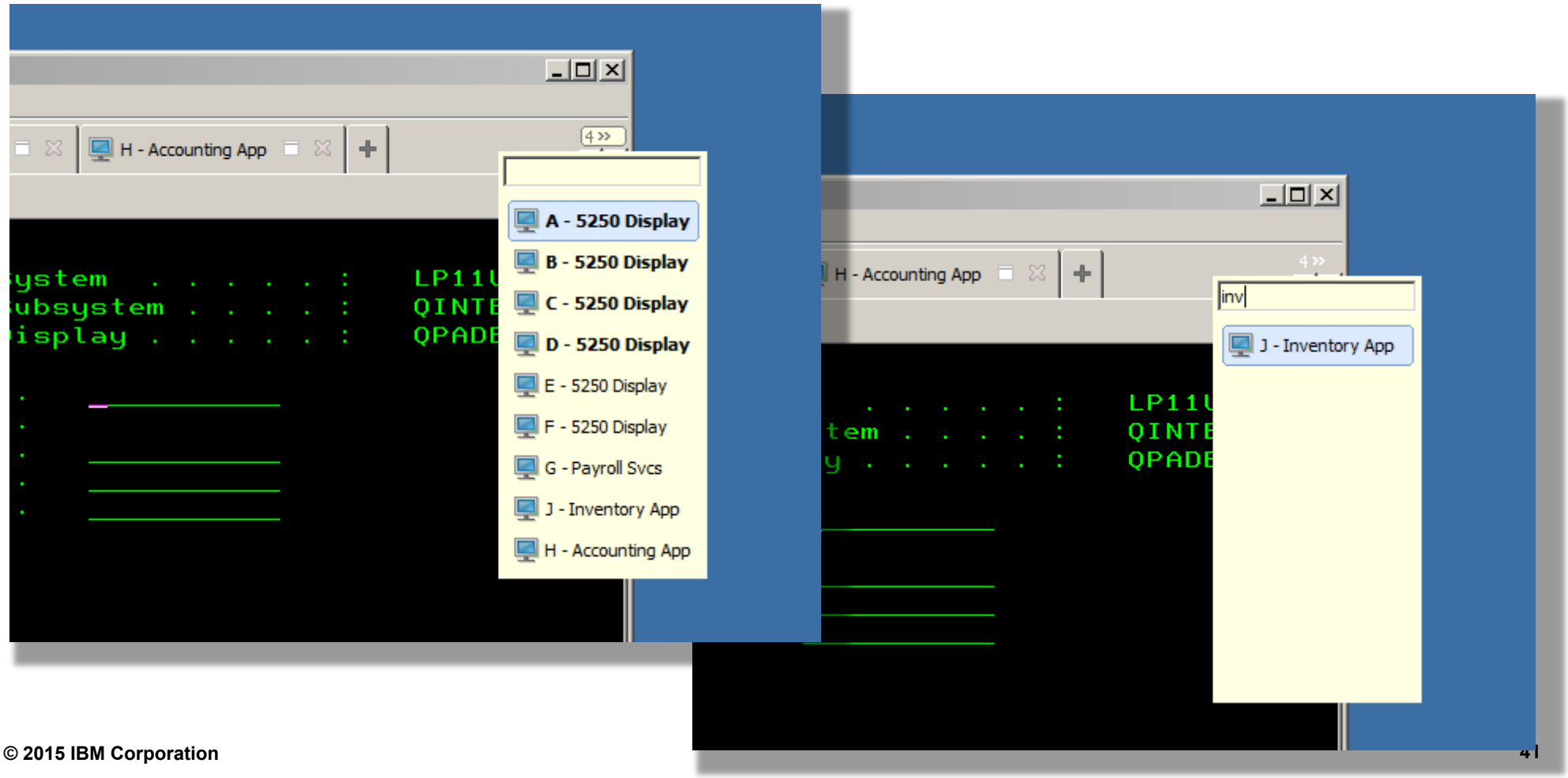
And you can do a bunch with them!

- Not enough room on the screen? NO PROBLEM!



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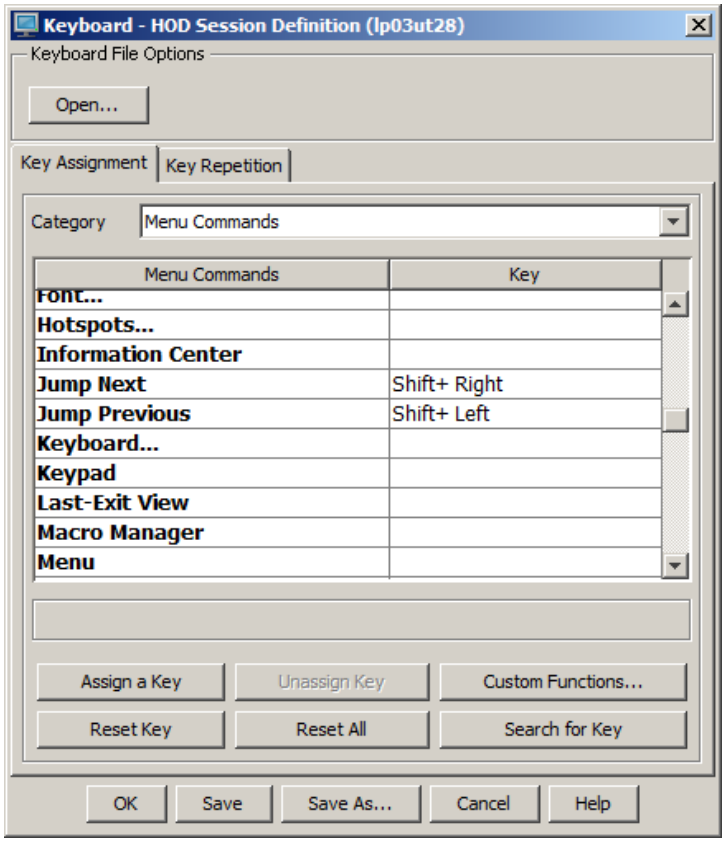
Yes, you can switch between tabs with the keyboard

- <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)



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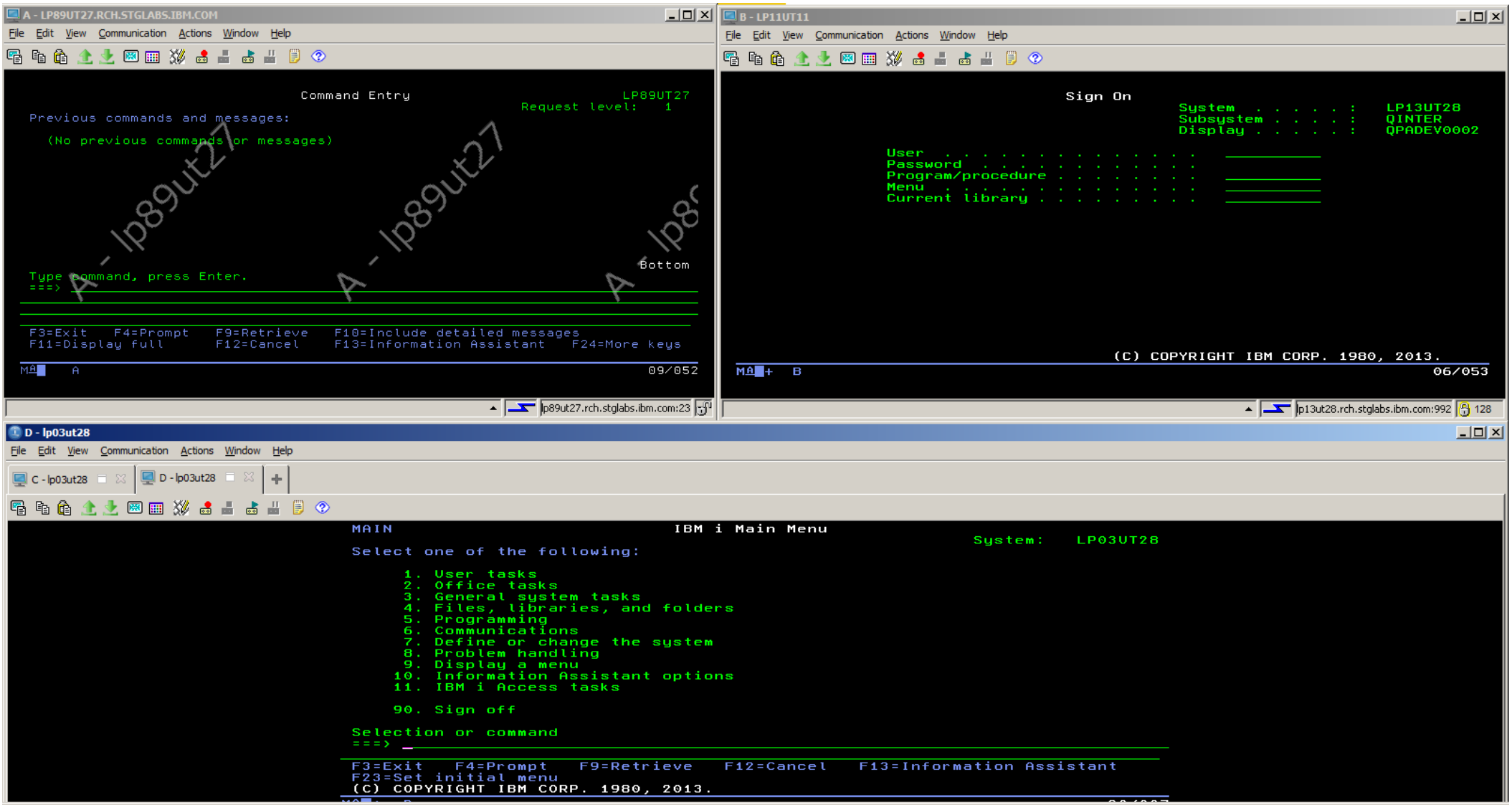
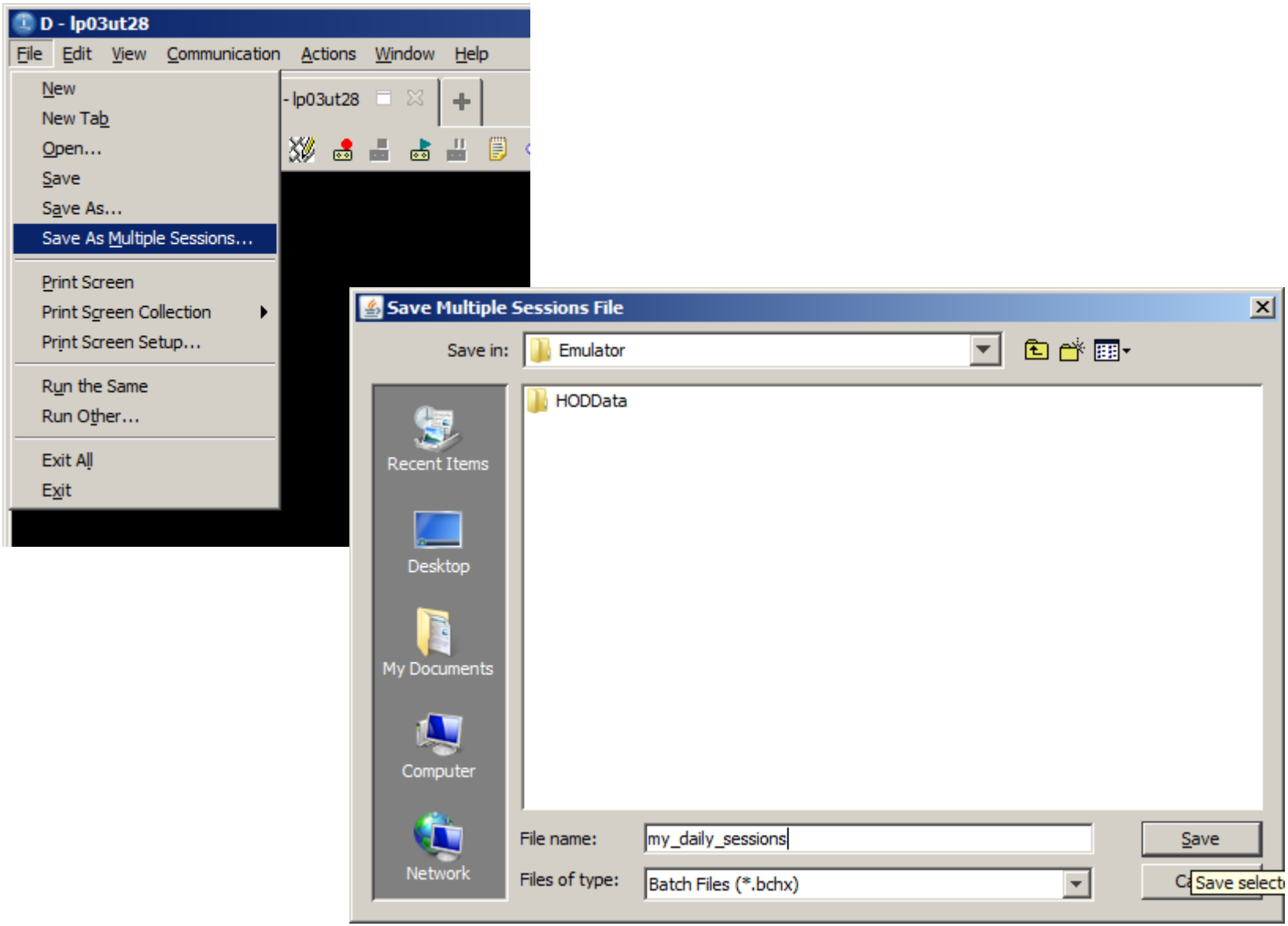
Enhanced batch files



Enhanced batch files



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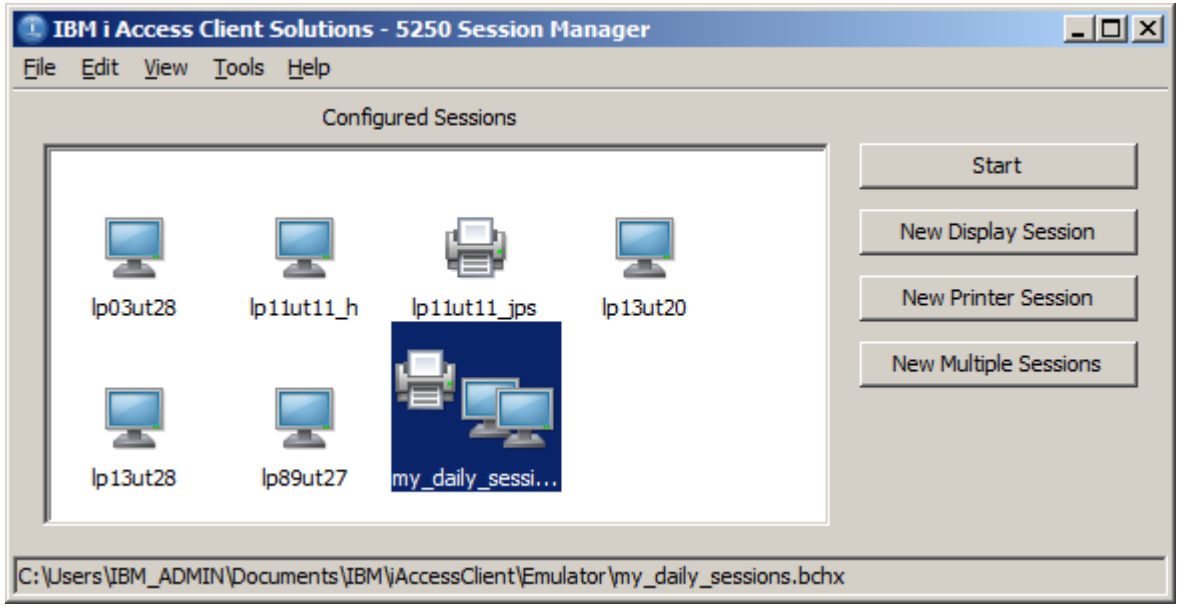
Enhanced batch files

- "Multiple sessions" types shows up in my 5250 session manager (just like with PC5250)



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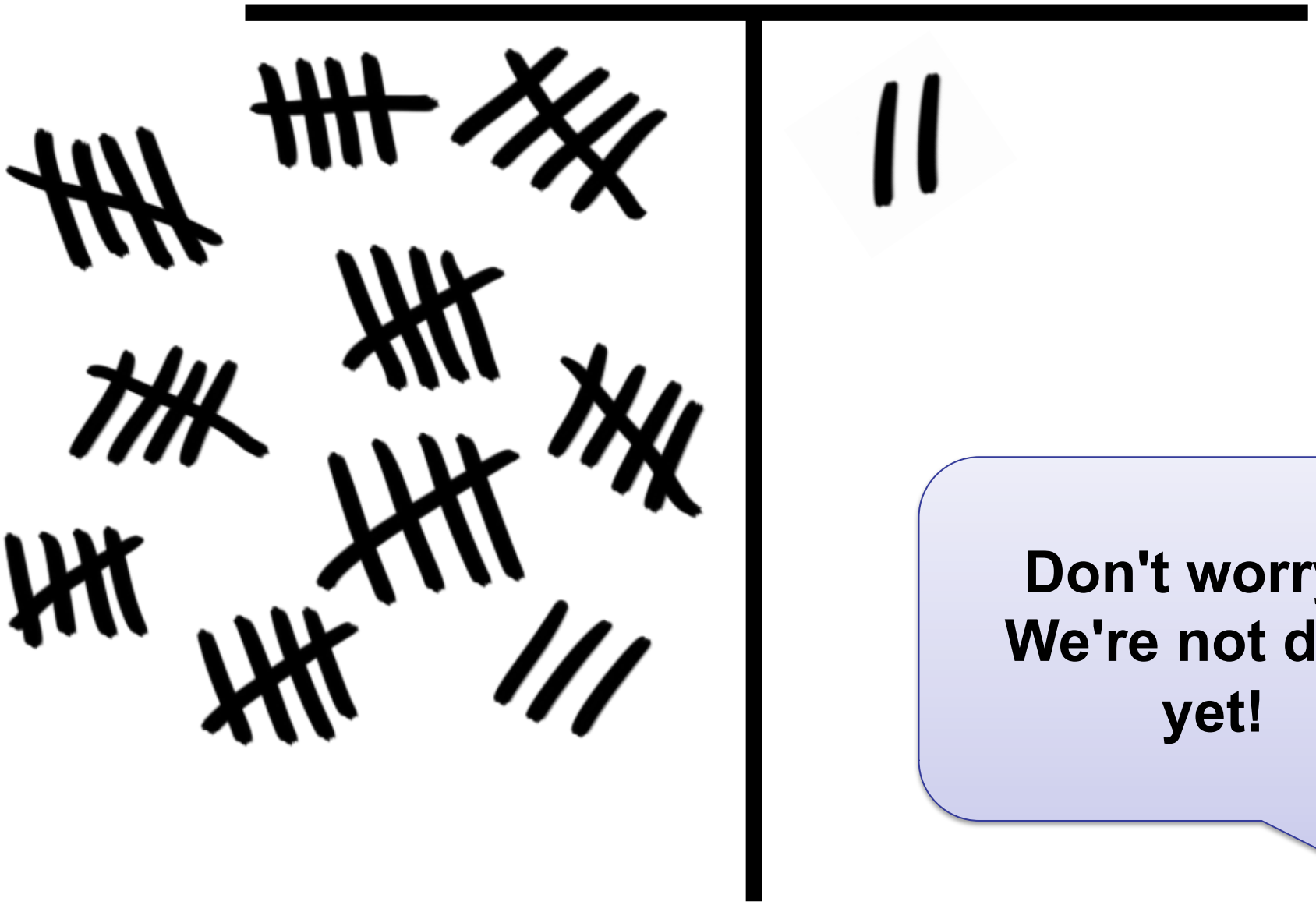
Anyone keeping score?



**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 i?

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Configuring SSL CA trust – The PC5250 way!

1. Open System i Navigator.
2. Right-click the name of your system.
3. Select Properties.
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)

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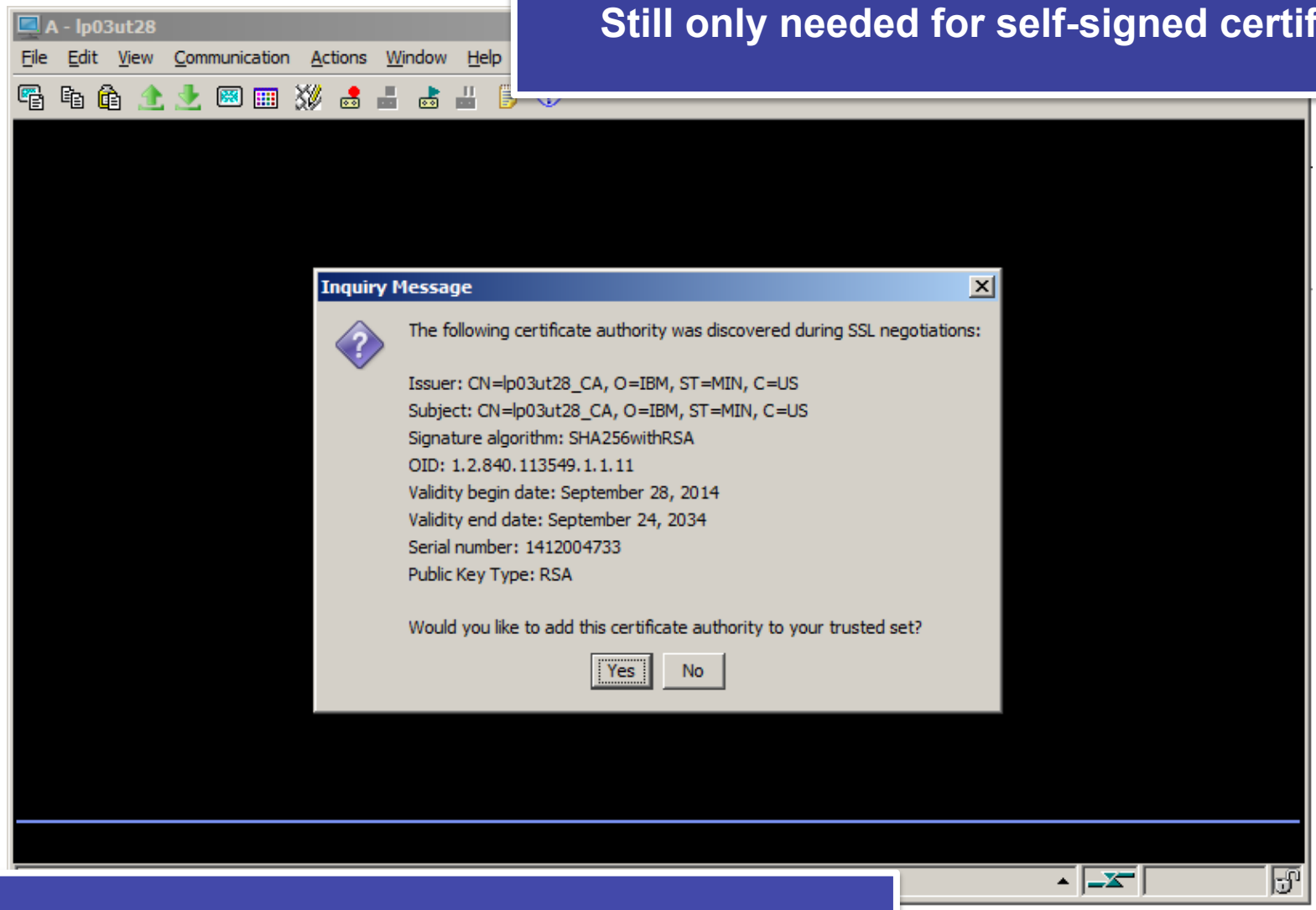
Configuring SSL CA trust – The ACS way!

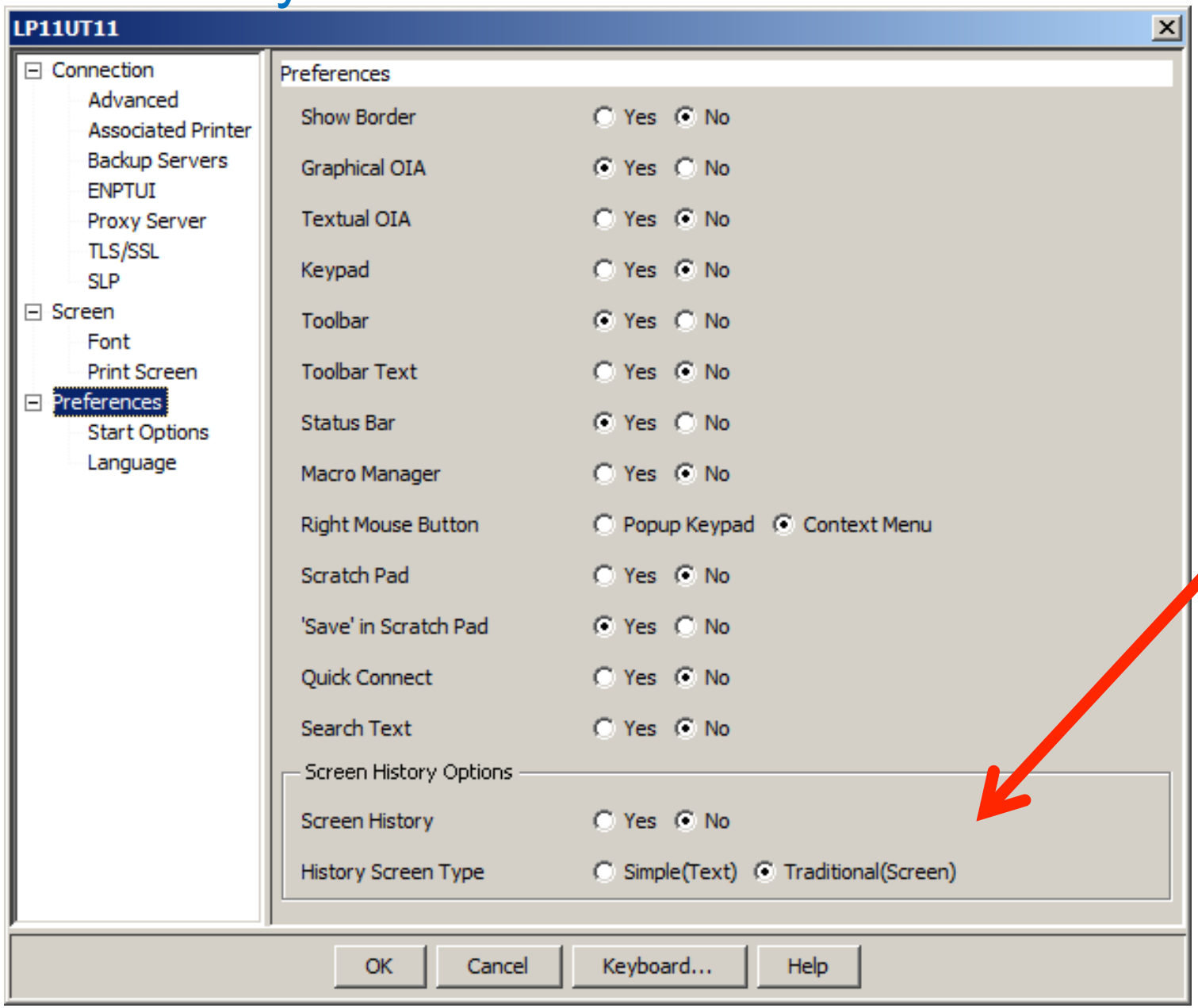
Still only needed for self-signed certificates



Relies on:

- **Clicking "Yes"**

Screen History



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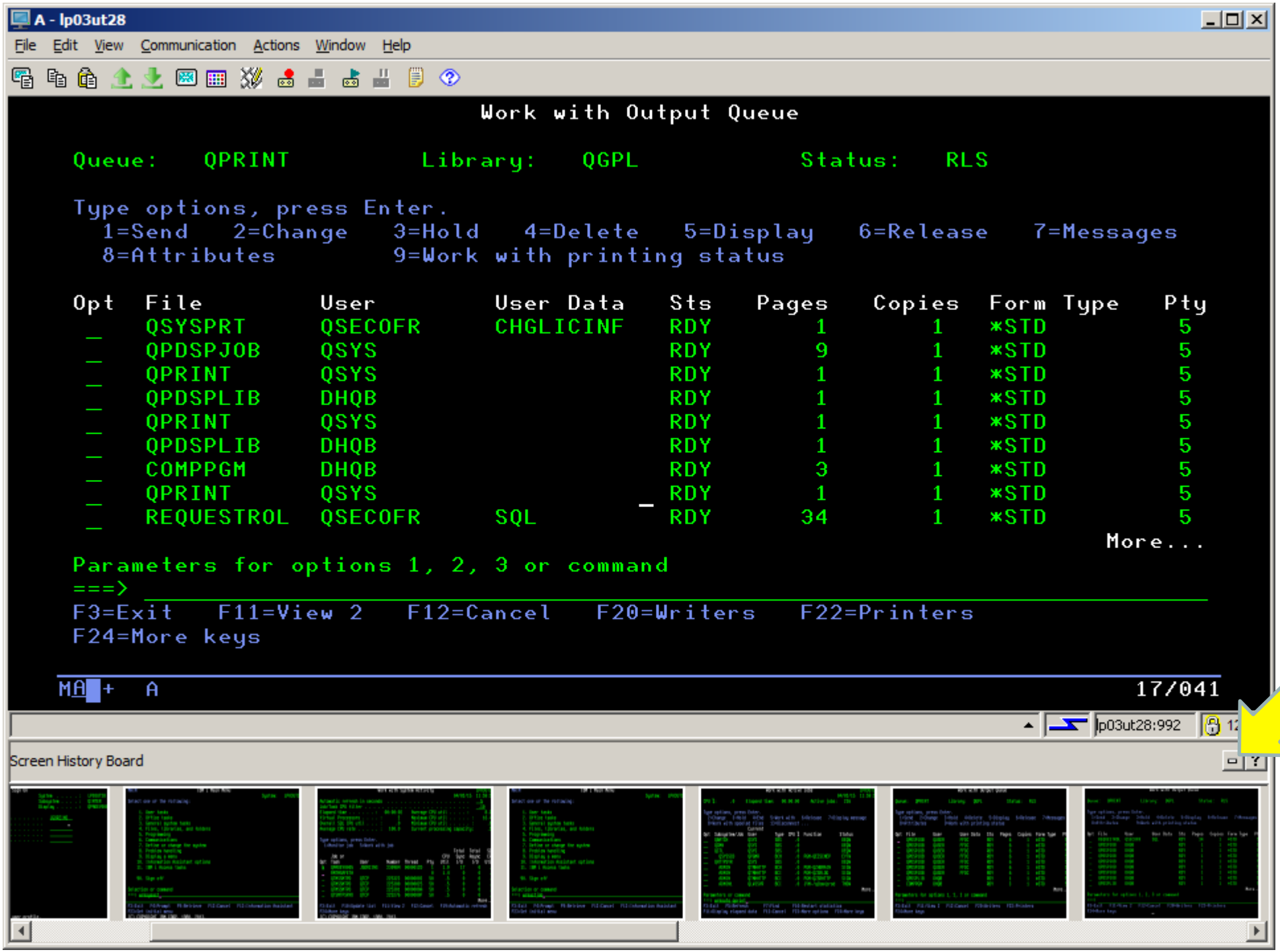
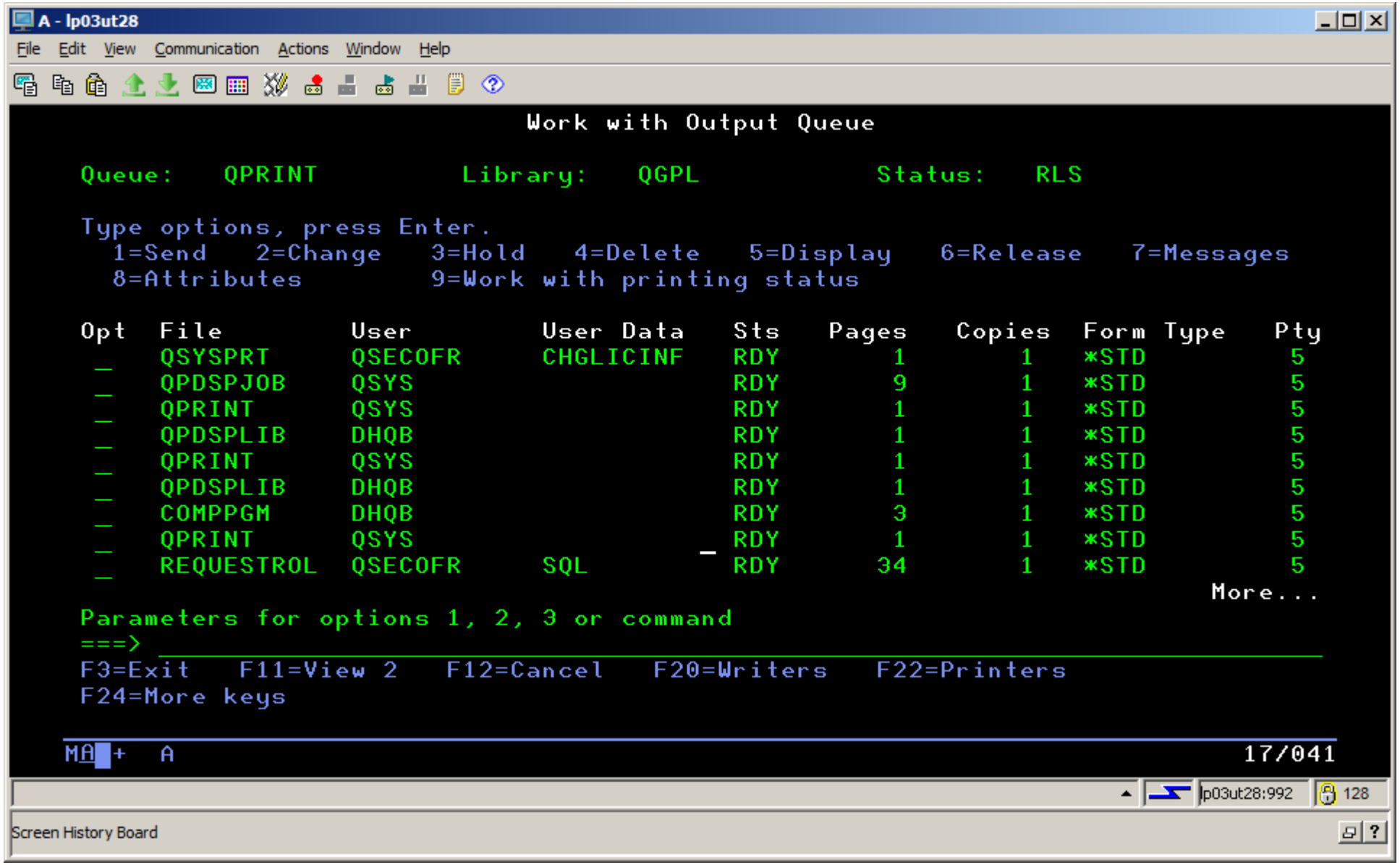

A - lp03ut28
File Edit View Communication Actions Window Help
Work with Output Queue
Queue: QPRINT Library: QGPL Status: RLS
Type options, press Enter.
1=Send 2=Change 3=Hold 4=Delete 5=Display 6=Release 7=Messages
8=Attributes 9=Work with printing status
Opt File User User Data Sts Pages Copies Form Type Pty
QSYSPRT QSECOFR CHGLICINF RDY 1 1 *STD 5
QPDSPJOB QSYS RDY 9 1 *STD 5
QPRINT QSYS RDY 1 1 *STD 5
QPDSPLIB DHQB RDY 1 1 *STD 5
QPRINT QSYS RDY 1 1 *STD 5
QPDSPLIB DHQB RDY 1 1 *STD 5
COMPPGM DHQB RDY 3 1 *STD 5
QPRINT QSYS RDY 1 1 *STD 5
REQUESTROL QSECOFR SQL RDY 34 1 *STD 5
More...
Parameters for options 1, 2, 3 or command
===>
F3=Exit F11=View 2 F12=Cancel F20=Writers F22=Printers
F24=More keys
MA + A 17/041
lp03ut28:992
Screen History Board



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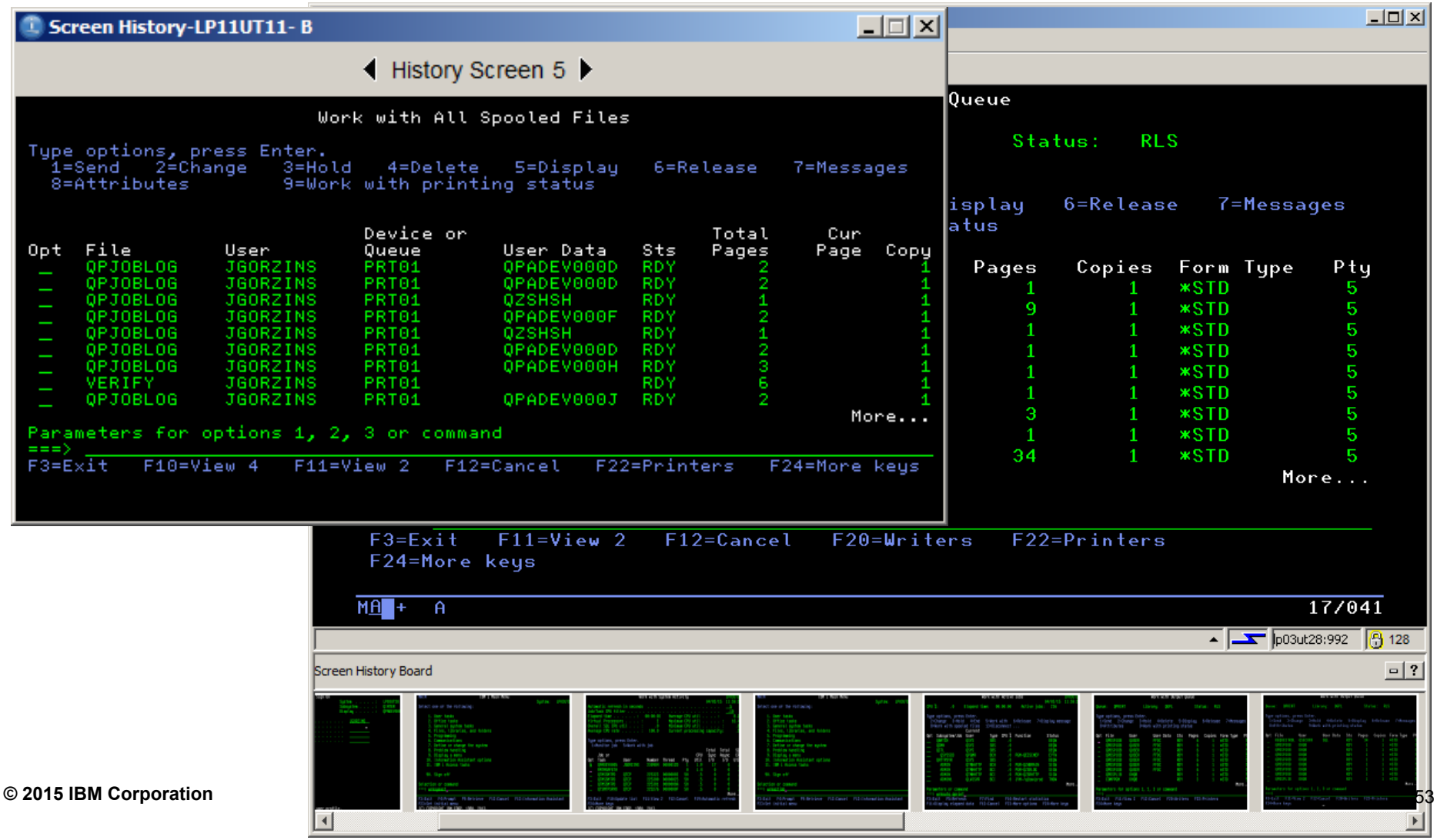
History Screen

- 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



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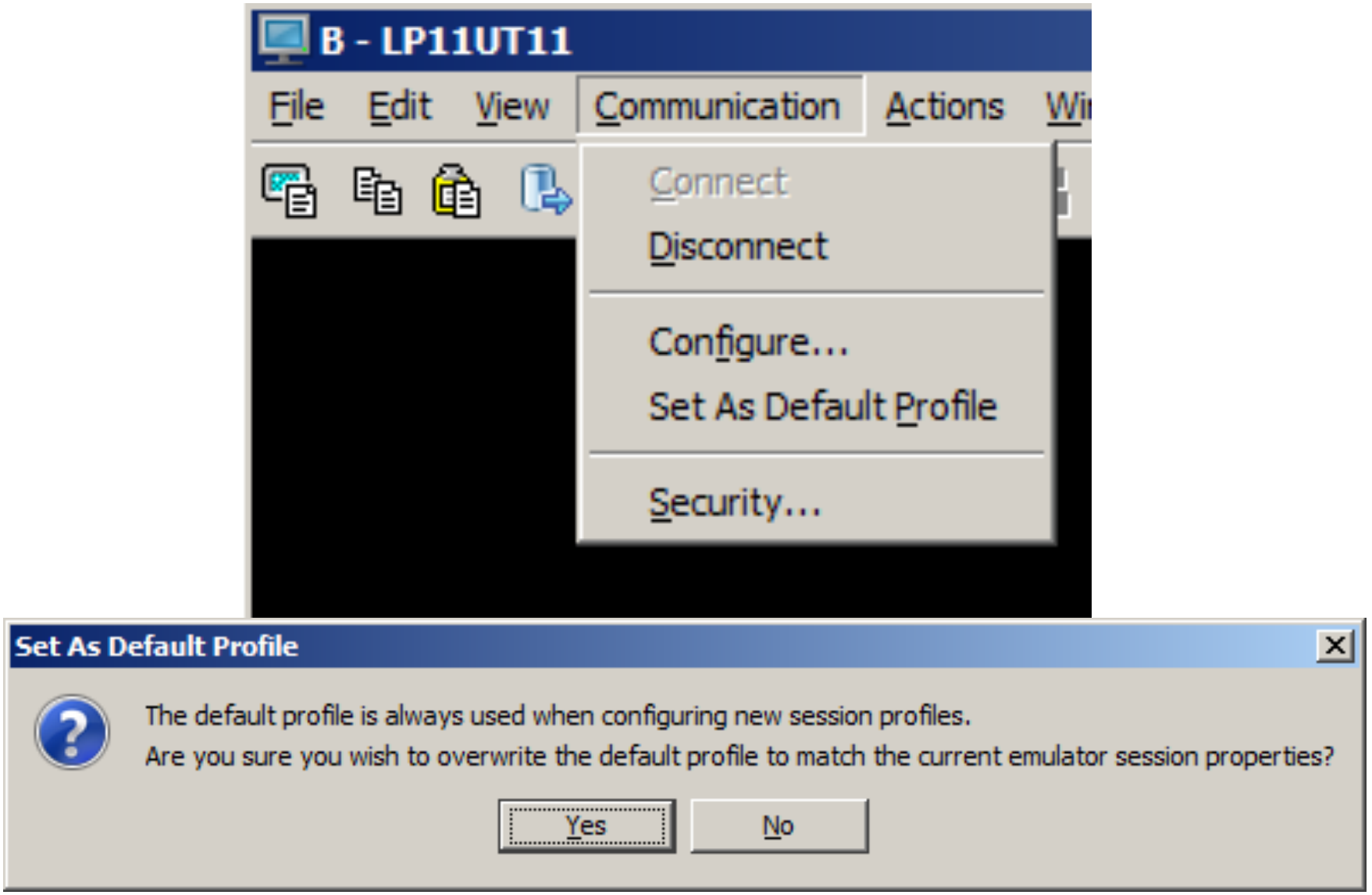
Default Profile



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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`)

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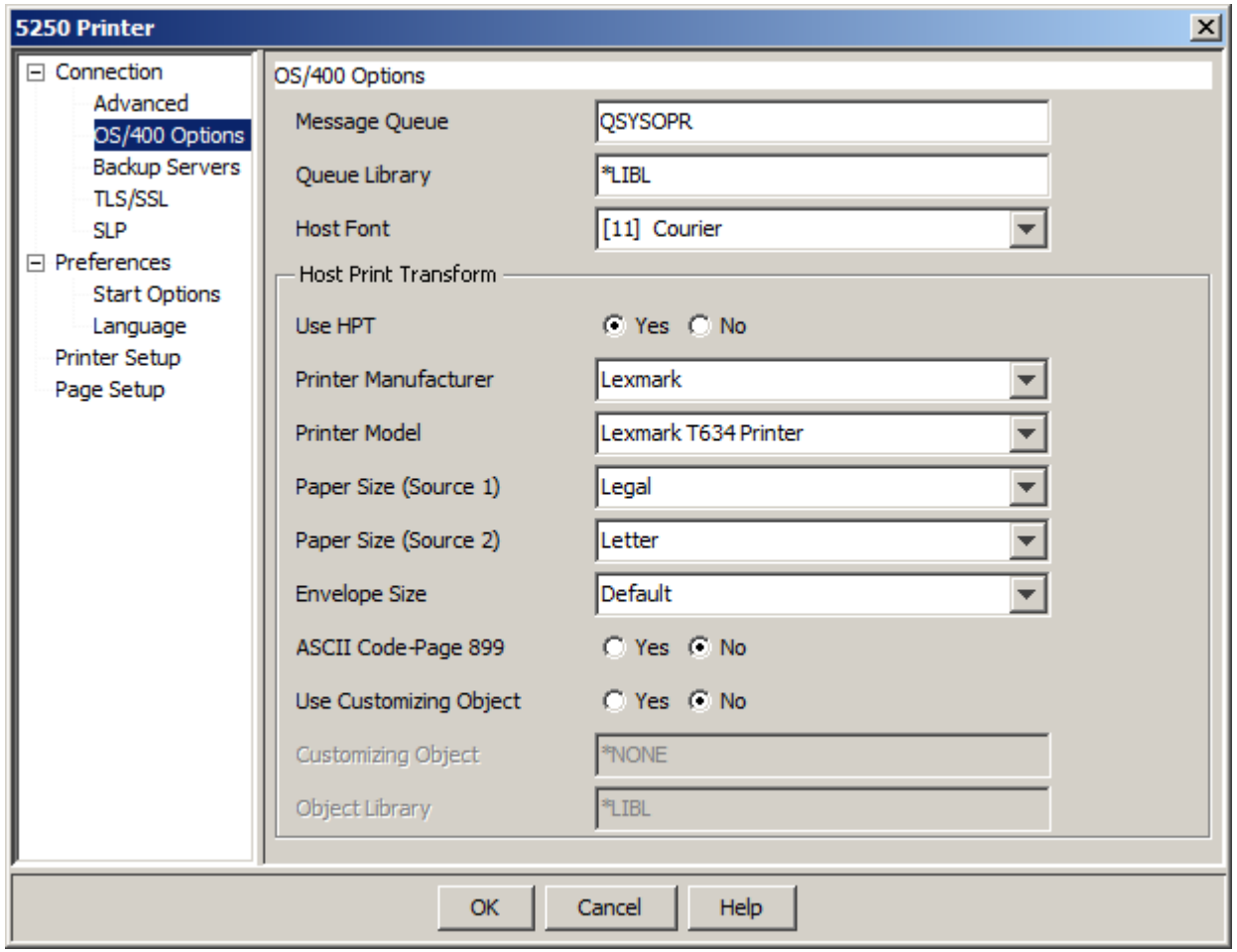
Print Support

- ACS supports Host Print Transform (HPT)



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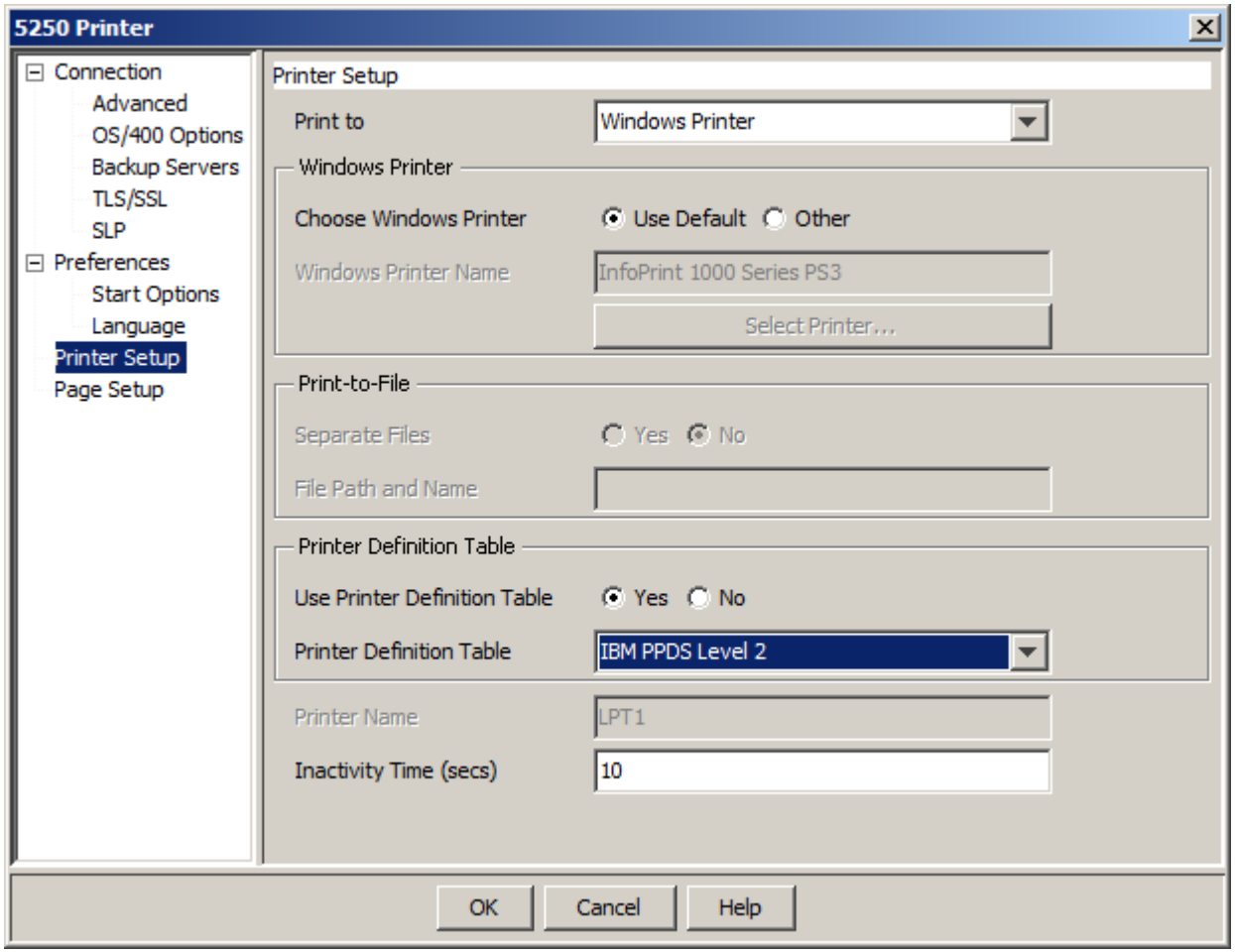
Print Support

- ACS supports Printer Definition Tables (PDT)



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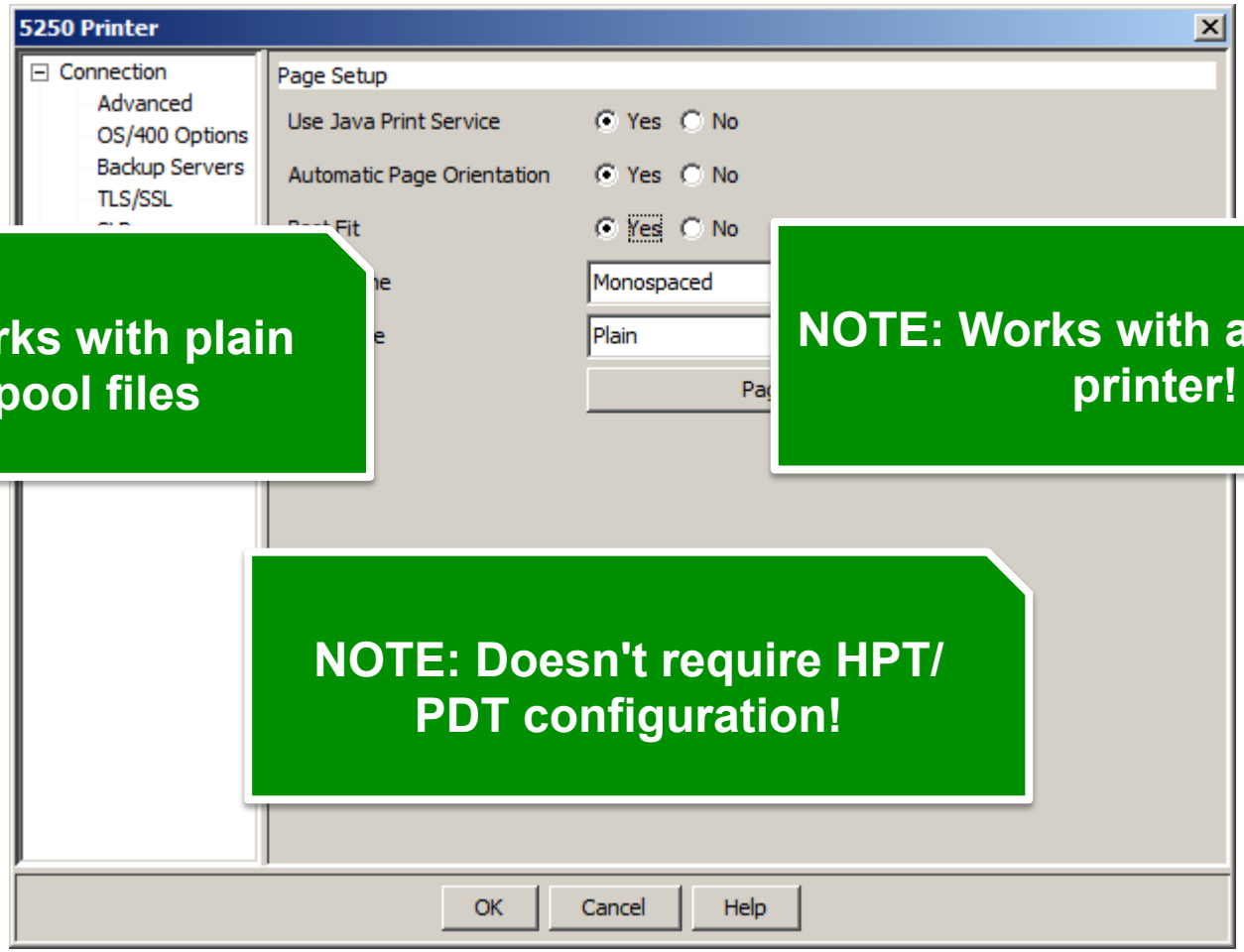
New Java printing option



NOTE: Only works with plain text *SCS spool files

NOTE: Works with any installed printer!

NOTE: Doesn't require HPT/ PDT configuration!

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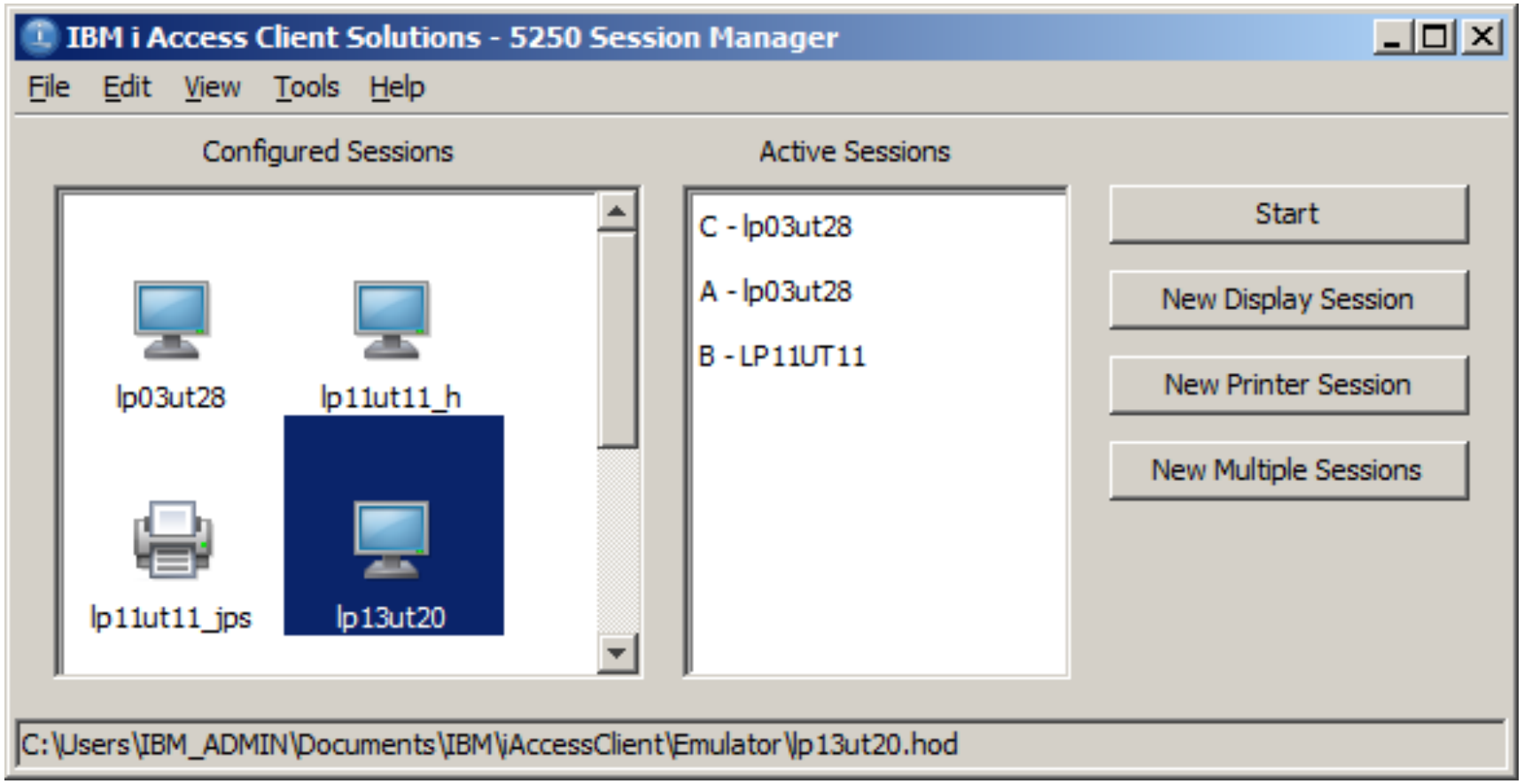
Session Manager "active sessions"



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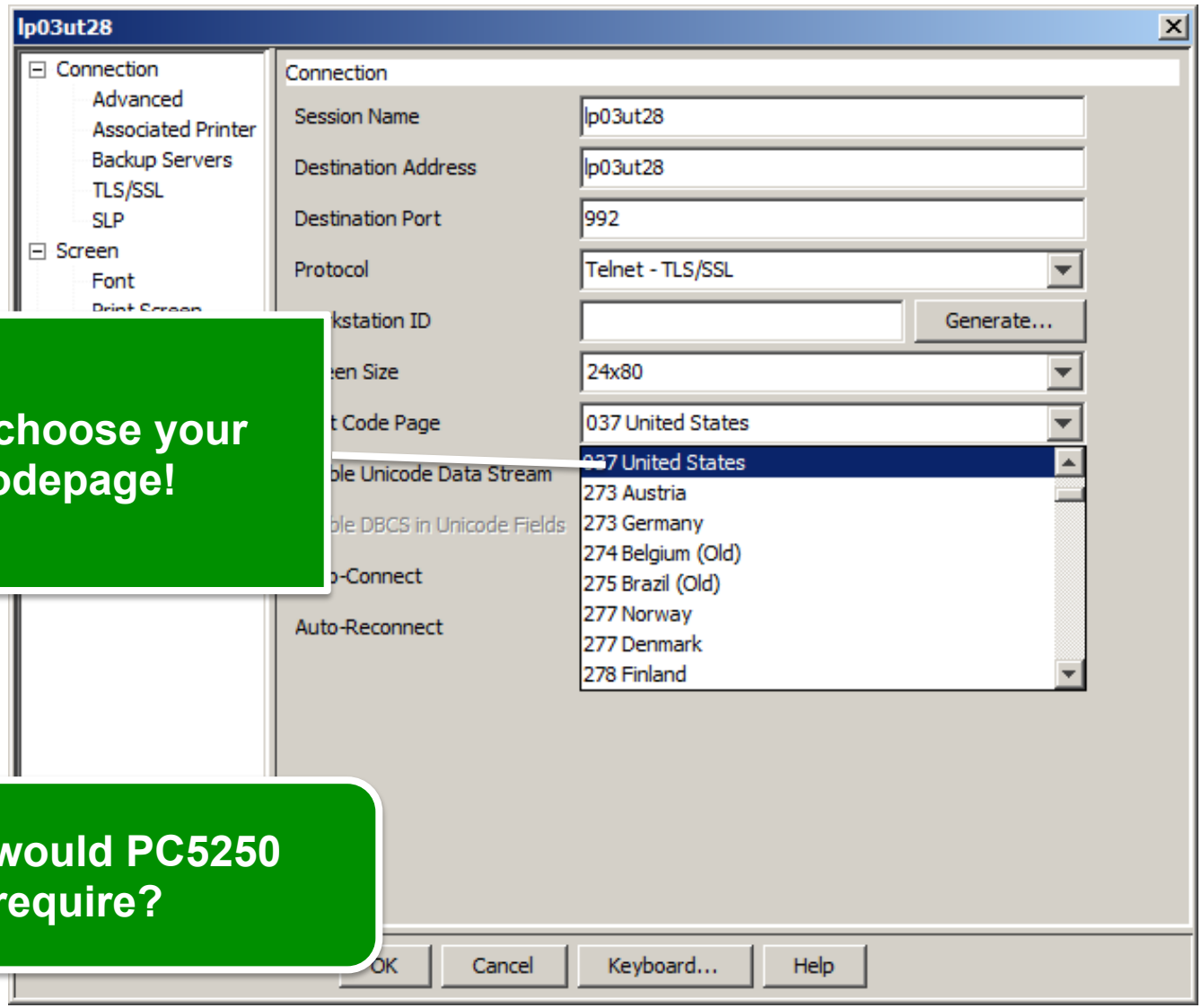
Better globalization support



Just choose your codepage!

What would PC5250 require?

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Beyond the emulator

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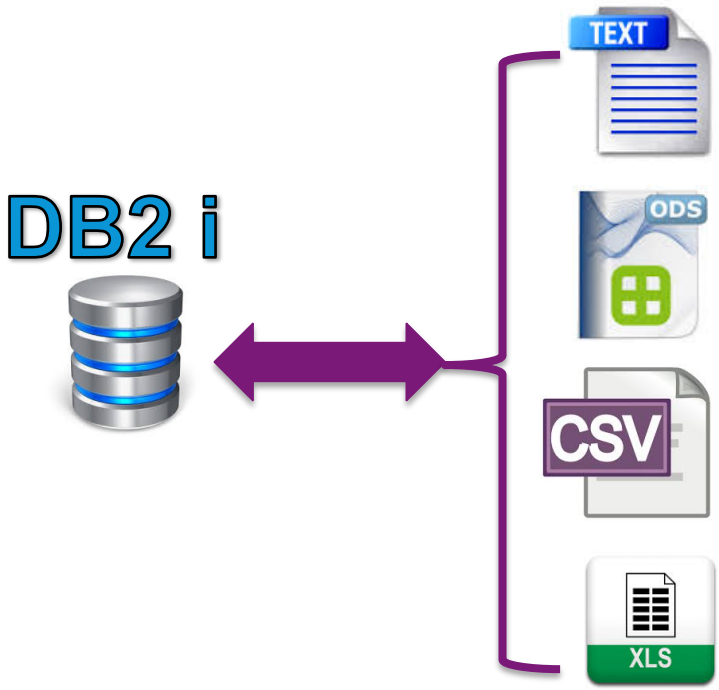
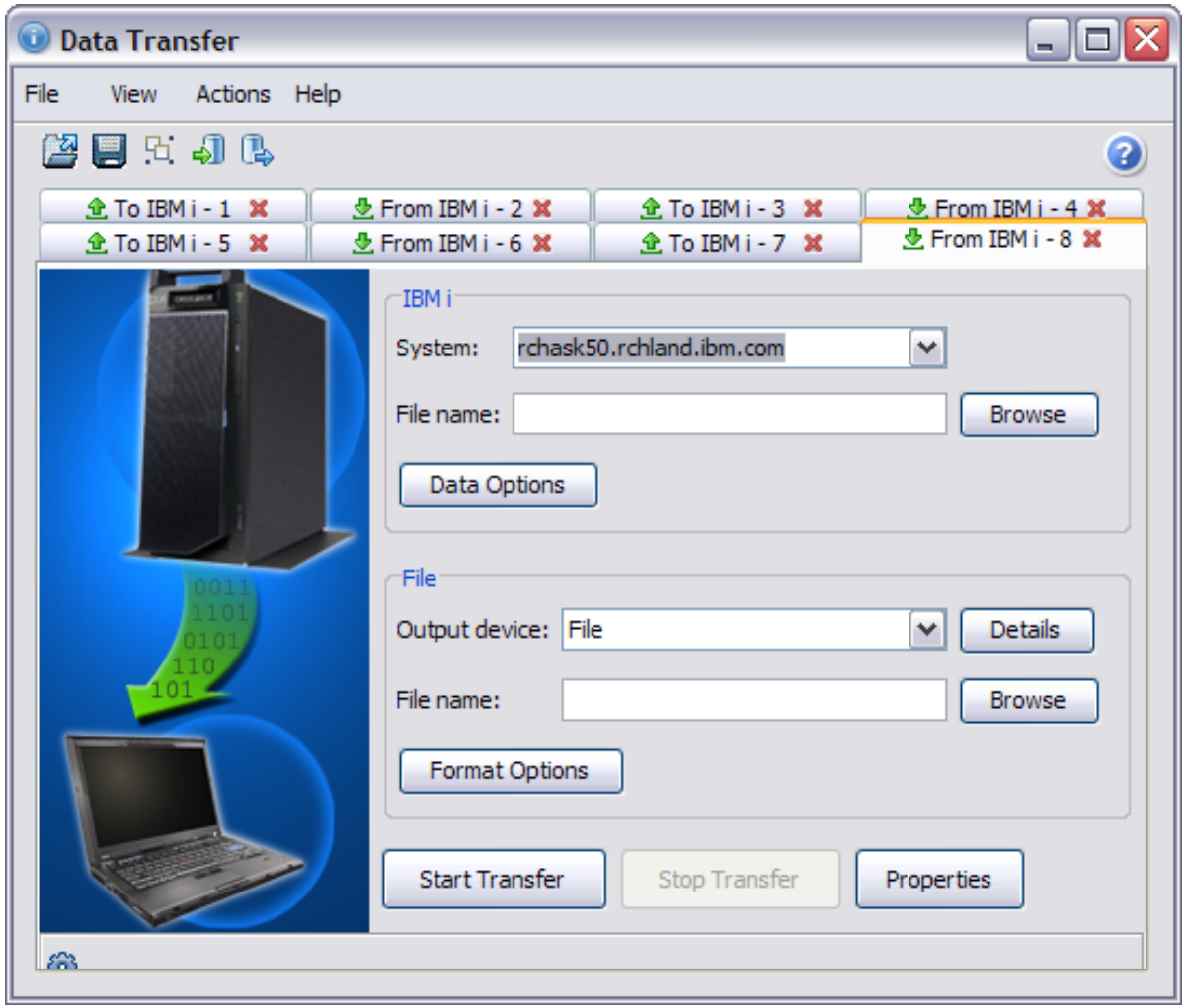
Data Transfer

- 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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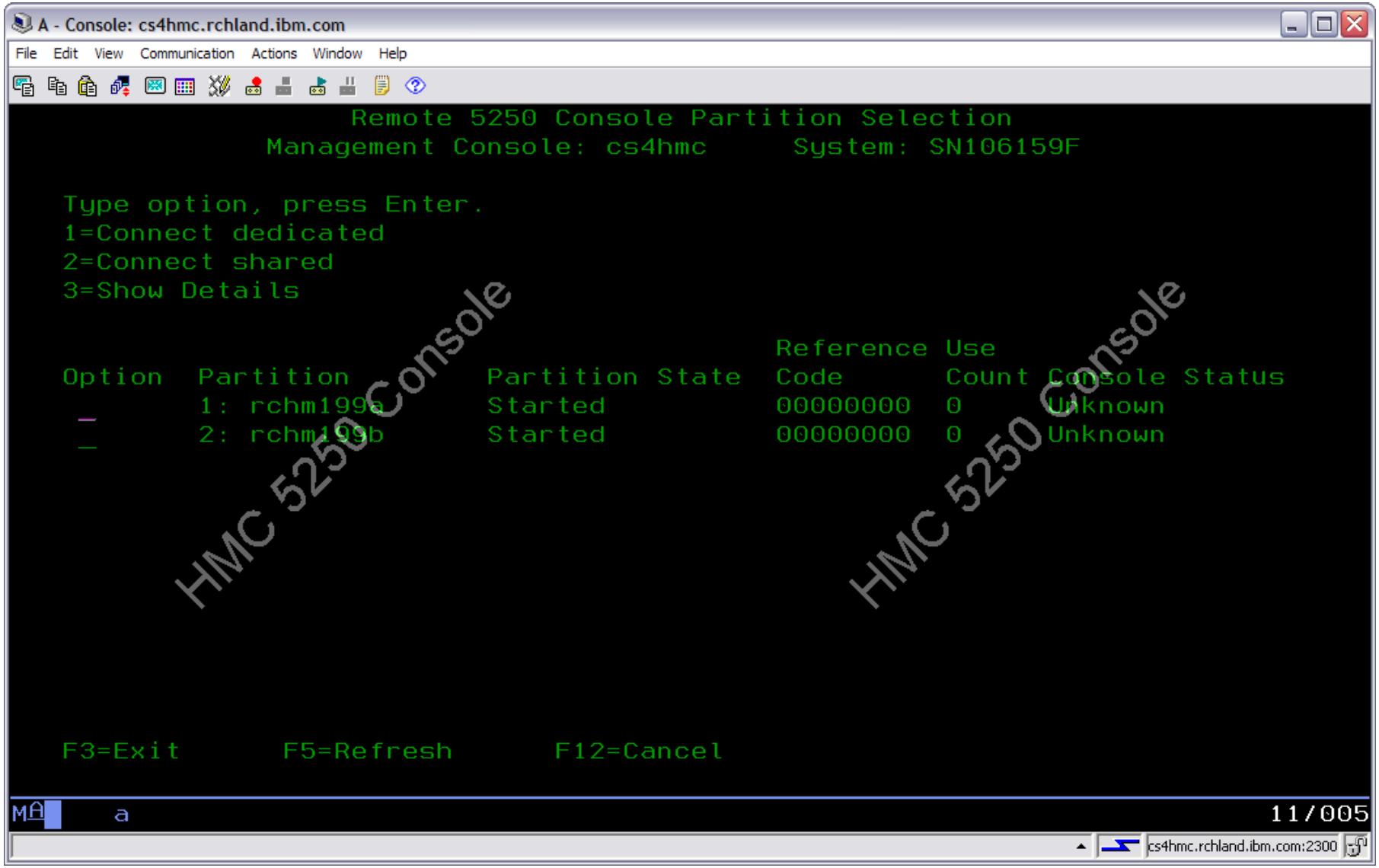
5250 Console



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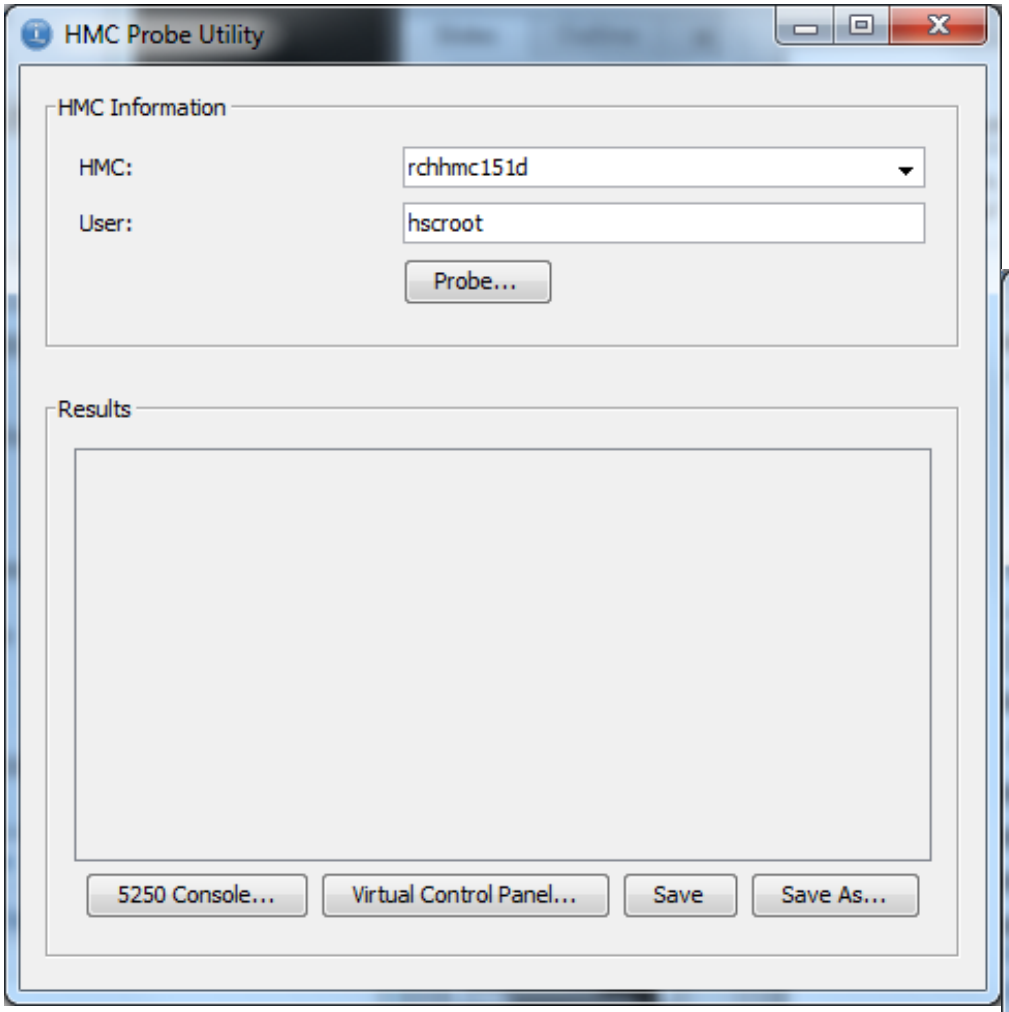
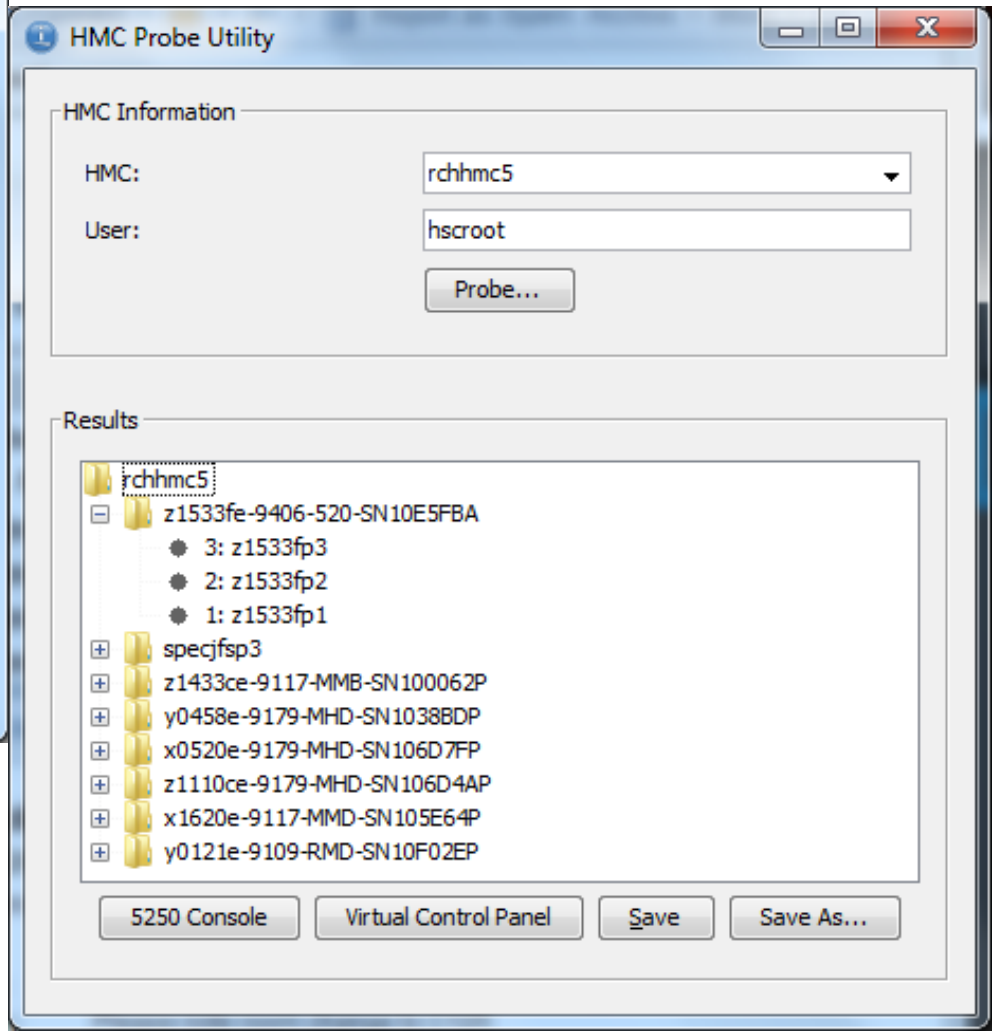
HMC Console Probe





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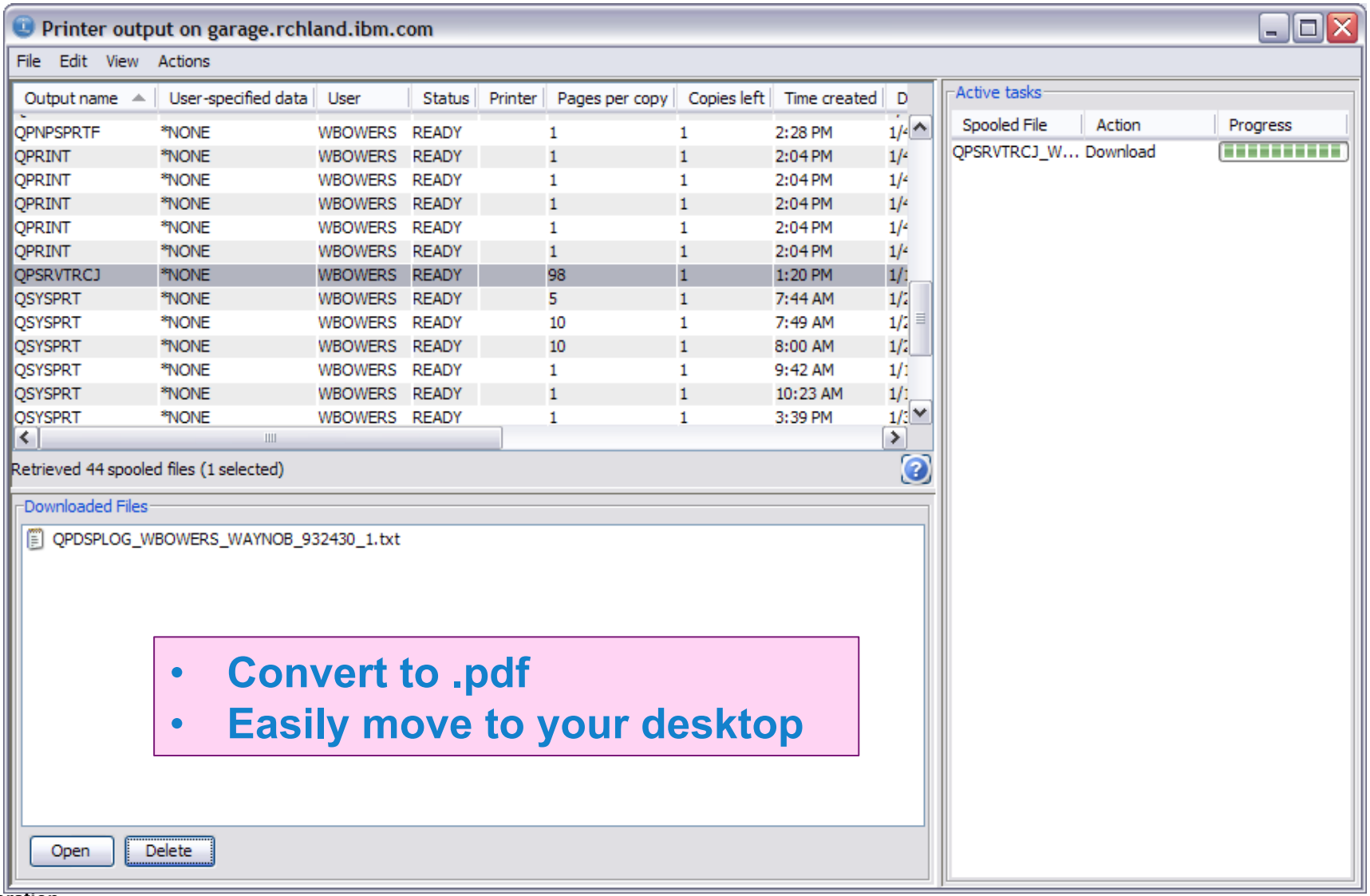
Printer Output

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



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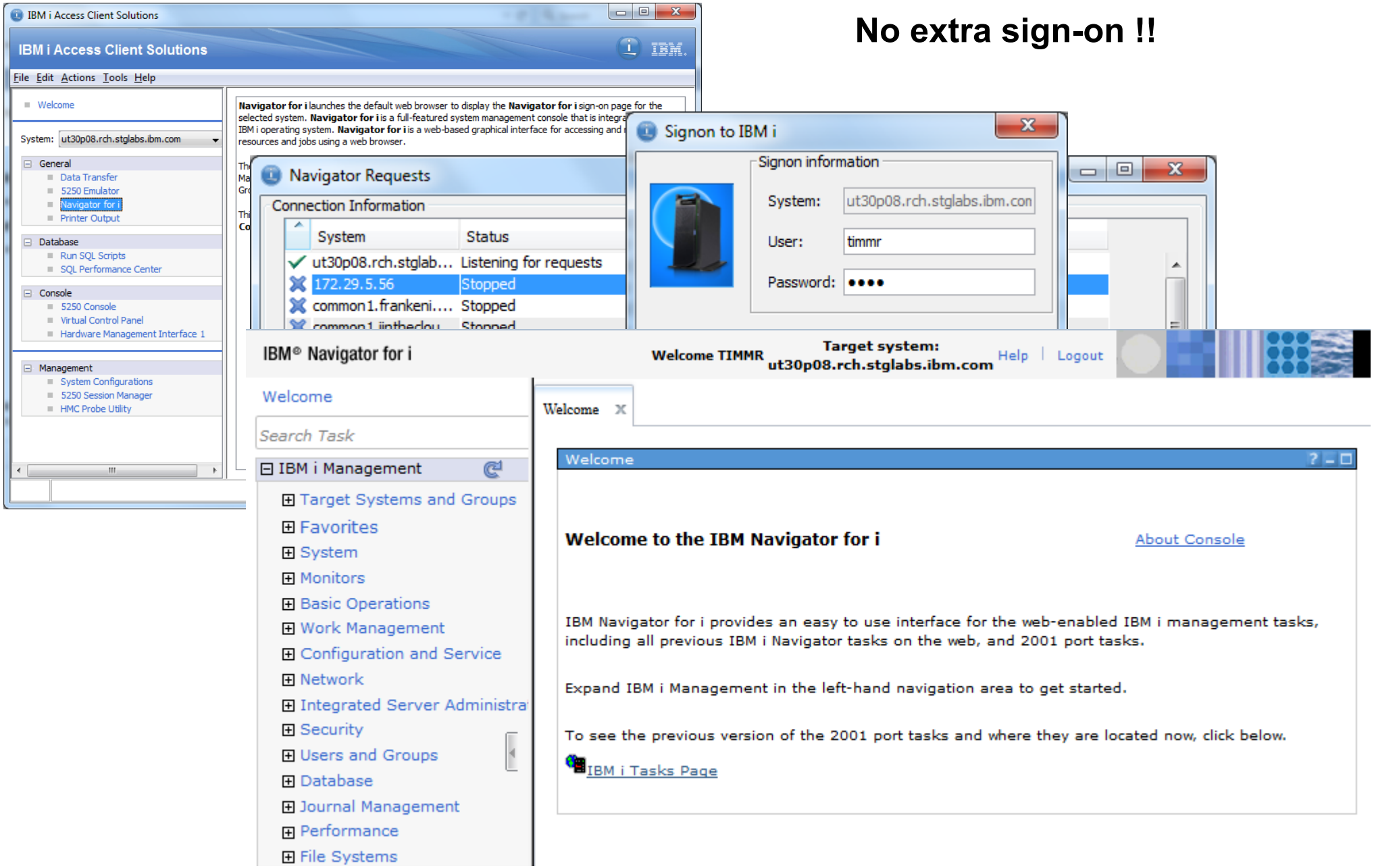
ACS & Navigator



No extra sign-on !!

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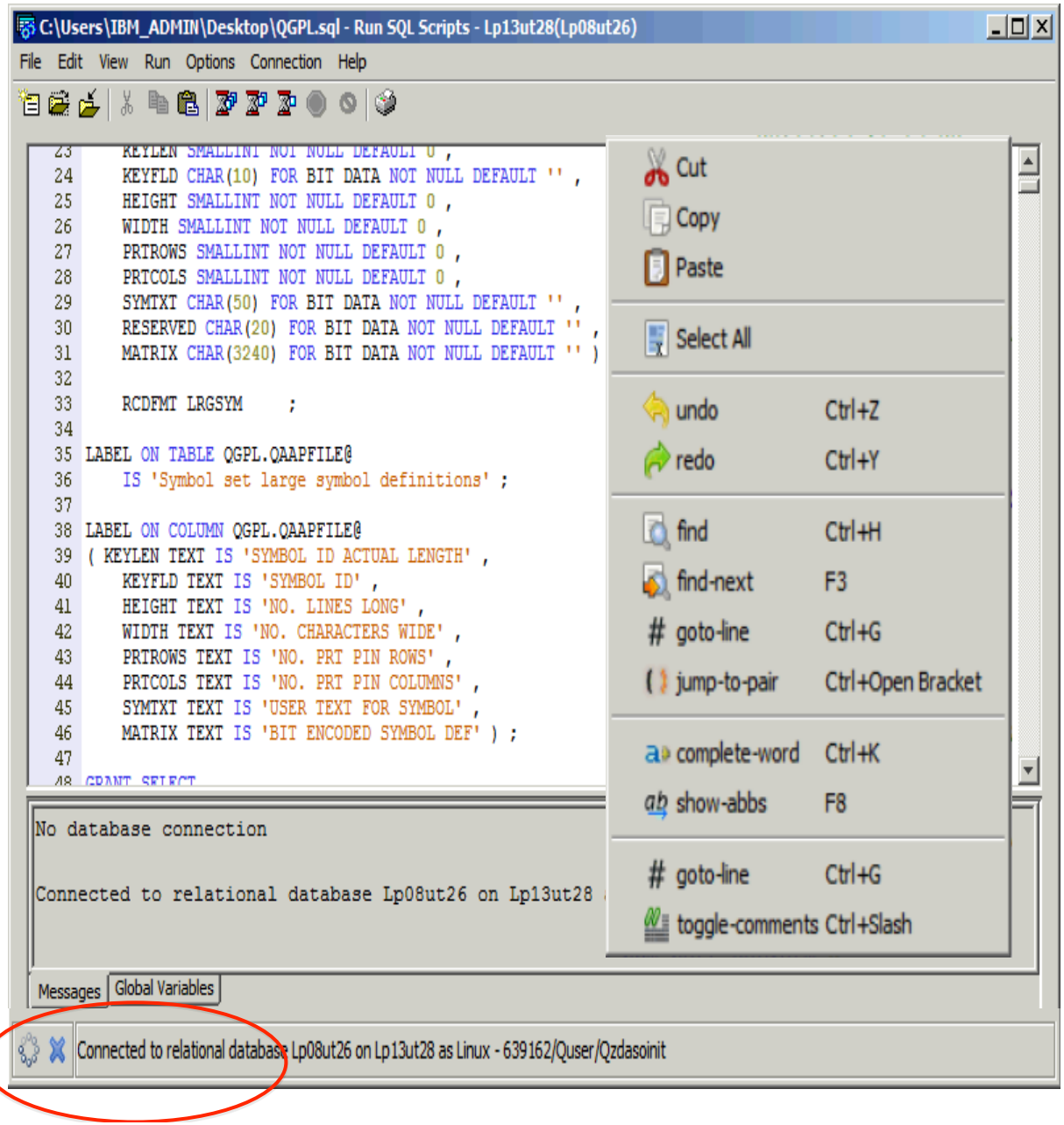
Work with Your Data

Works on Windows, Mac & Linux!!!

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



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How do you get the product….

- Product Web Site
  - http://www-03.ibm.com/systems/power/software/i/access/solutions.html
- Used to have to go to ESS
- No longer, down load from Product Web Page.

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Summary

The ACS emulator is better than PC5250!!

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