Access for Mobile Client (5770-XH2) IBM i Access Client Solutions (5733-XJ1)

HTTP vs. Java

Speaker

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Thank you for the opportunity to present to your group

Disclaimer

All examples are provided as is. No warranty claims are expressed or implied. Before using the product, verify that you are using the most current version. All opinions express are those of the presenter.

Disclaimer-2 (It's new to me too!)

- I plan to have time for a live demo.
- I am expecting lots of questions.
- I am not an expert on either product.
- I first installed 5770-XH2 last week.
- I downloaded 5733-XJ1 (1.1.4) yesterday.

Learning Objectives

* Understand the difference between Access for Mobile and IBM i Access Client Solutions.
* How to obtain install and enable Access for Mobile V7R2M0 on V7R1M0 and/or V6R1M0. (5770-XH2)
* How to obtain Access Client Solutions. (5733-XJ1)
* Demonstrate some of my favorite functions of the IBM i Access Client. (ACS)

Introduction (Access for Mobile)

Access for mobile is integrated into V7R2M0 of IBM i Access for Web. (5770-XH2)

* V7**R2**M0 of 5770-XH2 is **required** for iaMobile.
* iaMobile can be installed on V7R1M0 or V6R1M0.
* It runs by default in the basic HTTP server *ADMIN.
* It is a customized version of Access for Web.

Introduction (ACS – Java Client)

IBM i Access Client Solutions is a Java based solution to access most IBM i system functions.

* The product is 5733-XJ1, currently at version 1.1.4.
* The will run from a thumb drive.
* The product is not "installed."
* The product can be launched from a remote drive.
* The product will run on any Java platform.

Introduction

http://mobilemarketingmagazine.com/more-mobile-phone-access-toothbrushes-says-google/

There are 7.1 billion people on the planet

* 6 billion of them have access to mobile devices
* Only 3.5 billion of them use a toothbrush!!

Mobile Access

Mobile access is the answer that is increasingly being used to address these work demands in a way that is less disruptive of personal life.

- Keeping track of email while away from the office.
- QSYSOPR message arrives while watching Susie's soccer game.
- Check on batch job that did not complete.

IBM i Mobile Access Overview

Android devices

Apple devices

IBM i Mobile Access

This IBM i Mobile Access is a browser based solution.

- 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

IBM i Mobile Access

- **Highly Customizable**
  - What the user has access to can be customized based on IBM i OS User or Group Profile.
  - This is based on IBM i Access for WEB.
  - IBM i Access for Web product has enough functions, features, and settings for a week of lectures. (Future meeting?)

Lets Get Started

The IBM i Mobile Access is 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
  * Download from IBM's Entitled Software Support (ESS)
  * Install r7.2 5770XH2 LPP

iaMobile Prerequisites
(software)

* 5770XH2 V7R2M0 IBM i Access for Web
* 57xxDG1 VxRxMx IBM HTTP Server for i
* 57xxSS1 Option 3 - Extended Base Directory Supp.
* 57xxSS1 Option 12 - Host Servers
* 57xxSS1 Option 30 - Qshell
* 57xxSS1 Option 33 - PASE
* 5761JV1 Option 11 - IBM Developer Kit for Java

iaMobile Prerequisites
(PTF's)

* 7.2 5770-DG1 Group SF99368 minimum Level 1
* 7.1 5770-DG1 Group SF99368 minimum Level 27
* PTF SI53292 for 5770XH2 V7R2M0

These are required or nothing works – I tried.

iaMobile
Installation and configuration

- ENDTCPSVR SERVER(*HTTP) HTTPSVR(*ADMIN)
  Wait until all server jobs are ended.
- CFGACCWEB APPSVRTYPE(*INTAPPSVR) INSTANCE(*MOBILE)
- STRTCPSVR SERVER(*HTTP) HTTPSVR(*ADMIN)
  Wait until all server job are running
- **http://system:2001/iamobile**

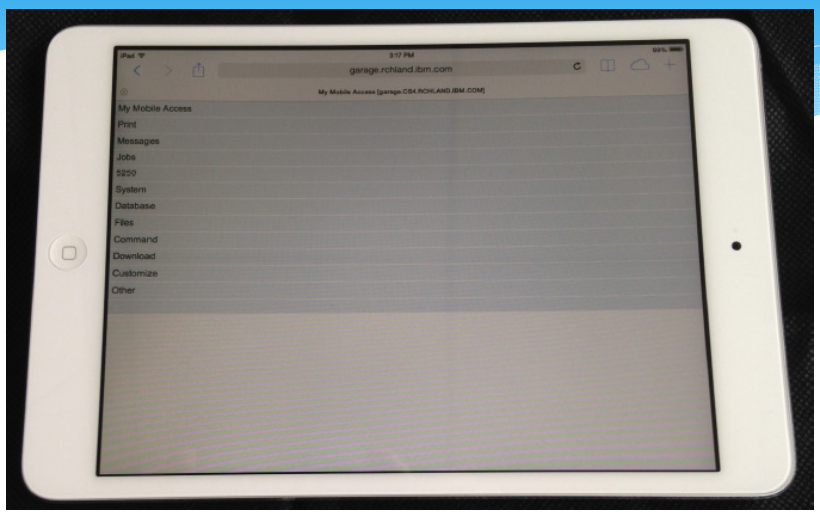
That's all folks!

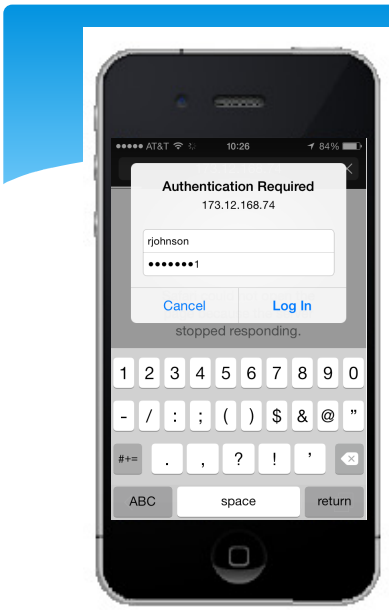
iaMobile
Installation and configuration

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
* Can be configured on any WebServer instance.
* My example uses all default settings.

IBM i Mobile Access -iPad

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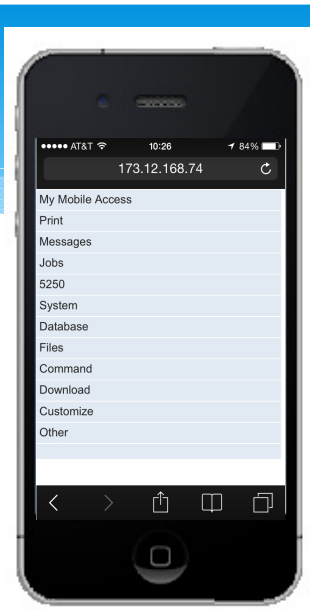
return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My Mobile Access
Print
Messages
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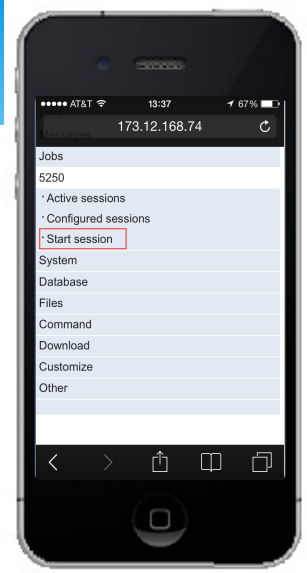
System
Database
Files
Command
Download
Customize
Other


AT&T 13:37 67%
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AT&T 13:36 67%
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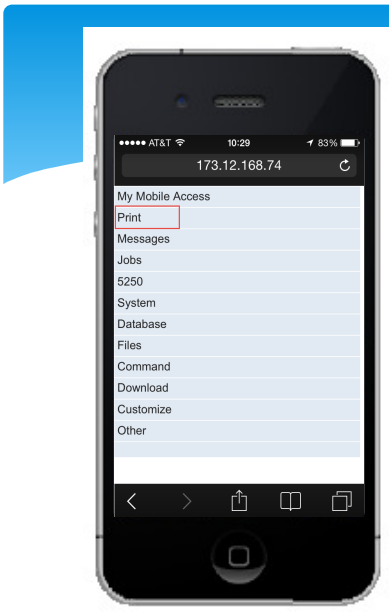
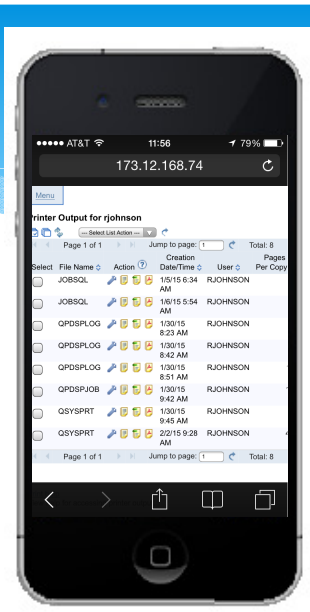
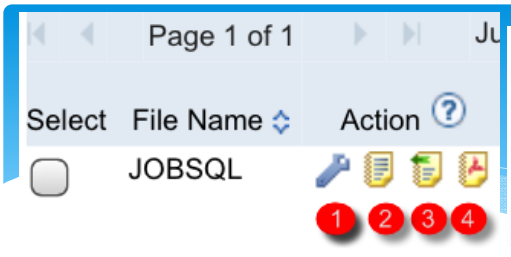
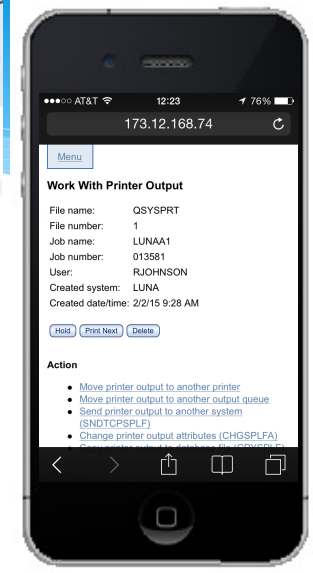
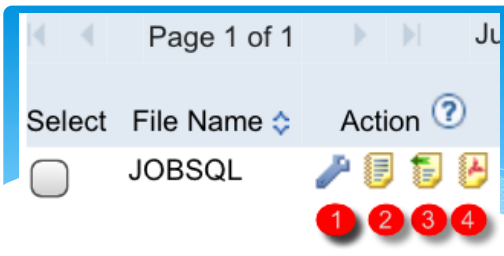






1. **Work With**
2. View
3. View as
4. View PDF





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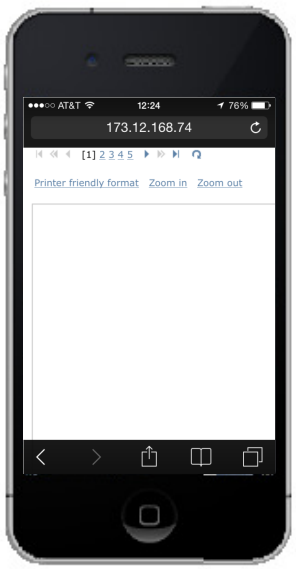
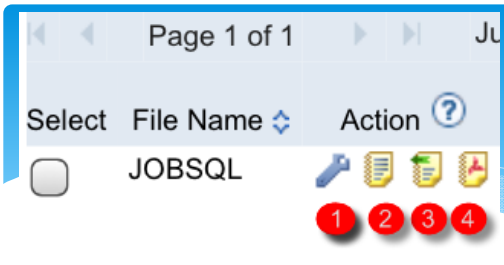
2. **View - ???**
3. View as
4. View PDF





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2. View
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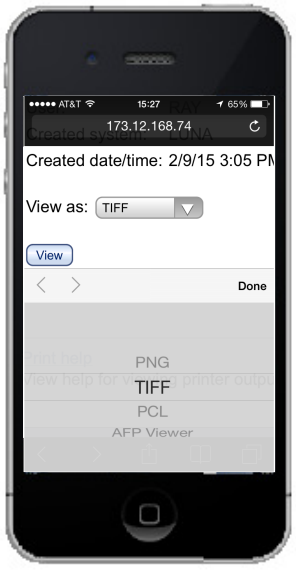
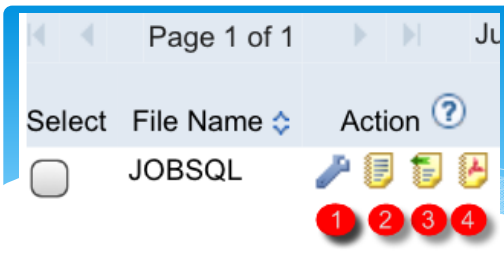
   - **TIFF**
   - **PCL**
   - **AFP**
4. View PDF





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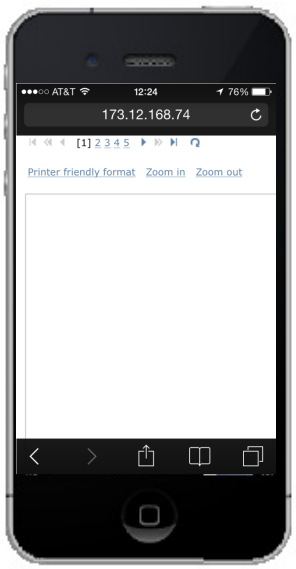
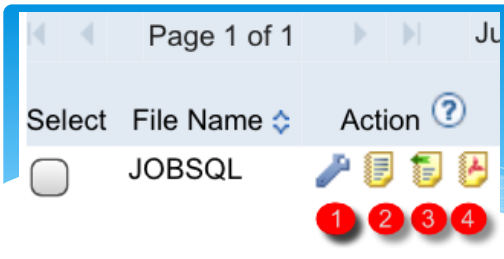
   - **PNG >**
   - TIFF
   - PCL
   - AFP





3. **View as**
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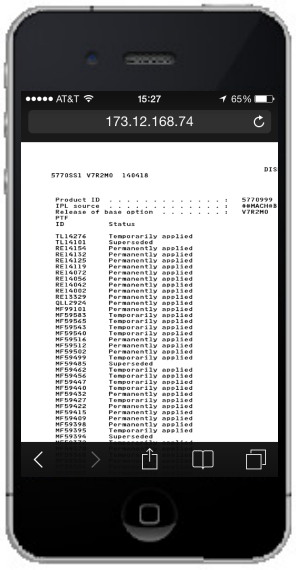

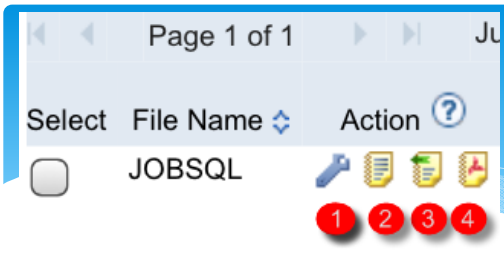

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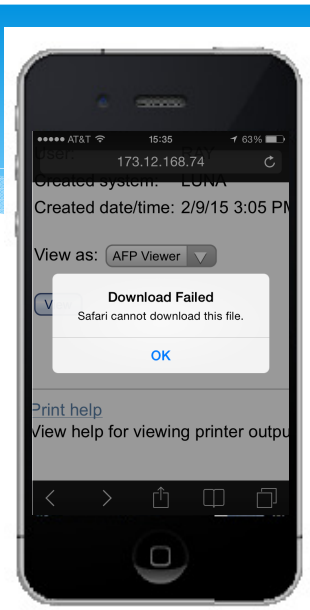

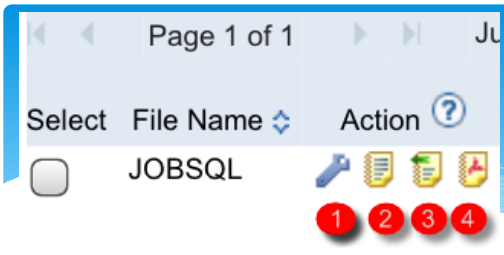

1. Work With
2. View
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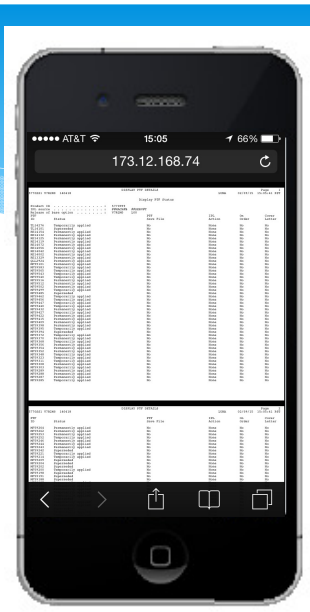
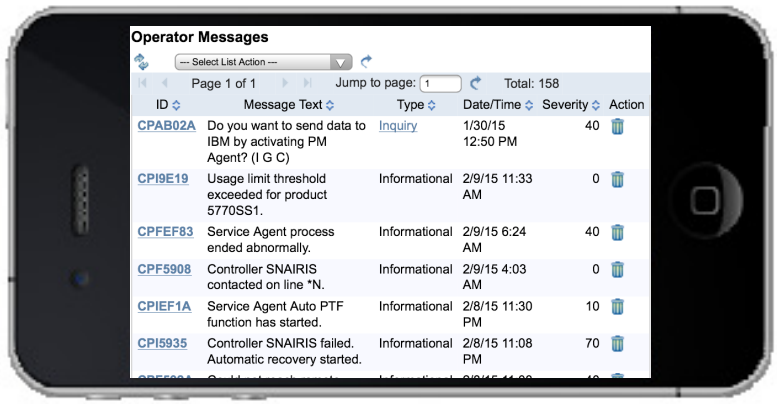
4. **View PDF**

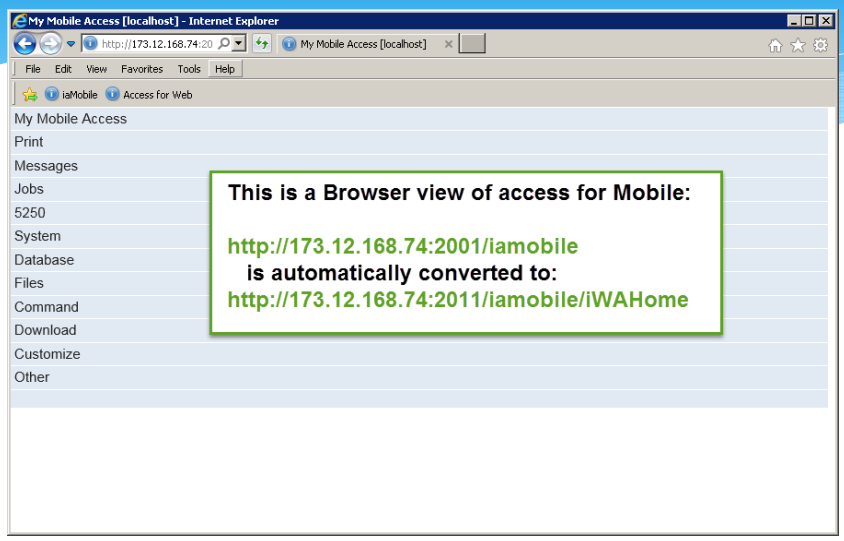


IBM i Mobile Access -iPhone

QSYSOPR message queue



IBM i Mobile Access - web



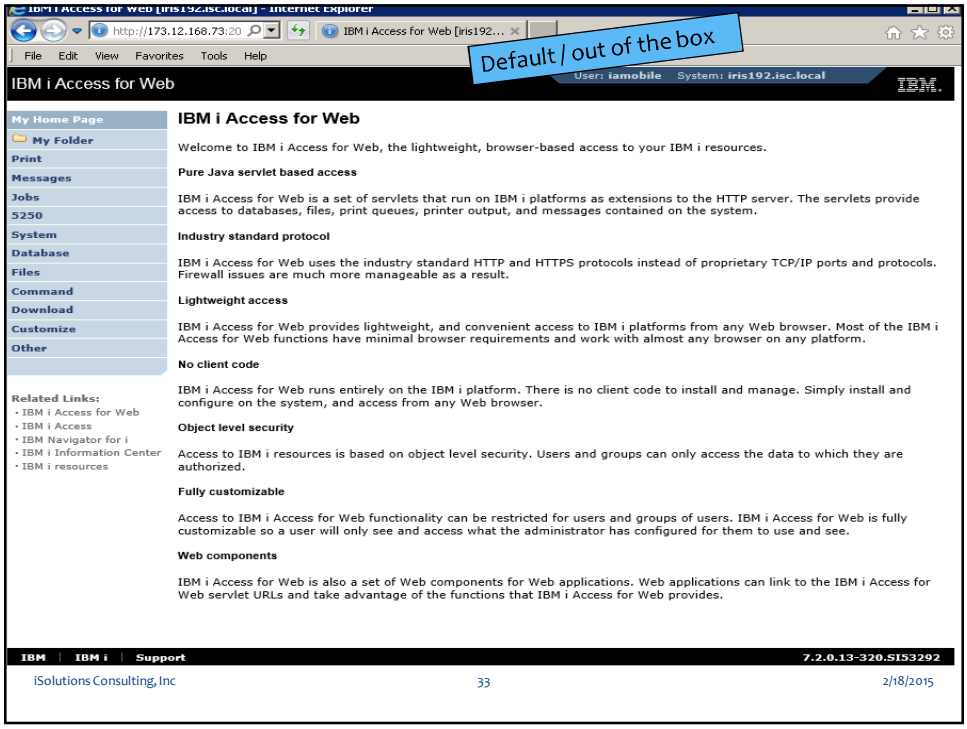
IBM i Mobile Access - web

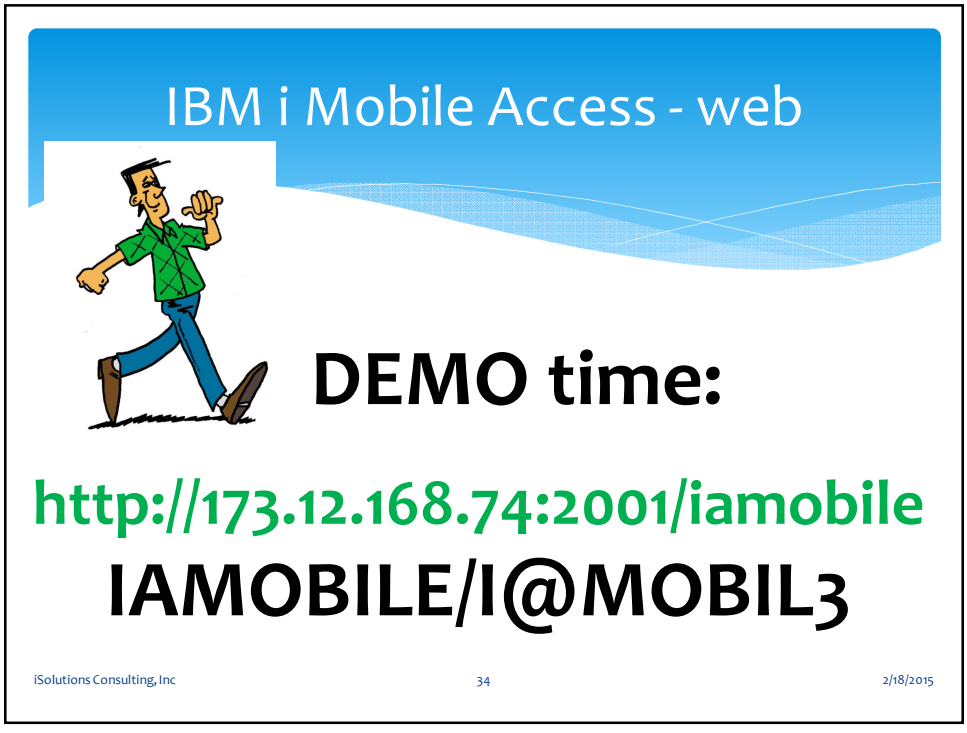
Additional Resources

Standard Access for WEB Installation and configuration

- ENDTCPSVR SERVER(*HTTP) HTTPSVR(*ADMIN)
  Wait until all server jobs are ended.
- CFGACCWEB APPSVRTYPE(*INTAPPSVR)
- STRTCPSVR SERVER(*HTTP) HTTPSVR(*ADMIN)
  Wait until all server job are running
- **http://system:2020/webaccess/iWAMain**

That's all folks!


Default / out of the box
IBM i Access for Web
User: iamobile System: iris192.isc.local
IBM
My Home Page
My Folder
Print
Messages
Jobs
5250
System
Database
Files
Command
Download
Customize
Other
Related Links:
· IBM i Access for Web
· IBM i Access
· IBM Navigator for i
· IBM i Information Center
· IBM i resources
IBM i Access for Web
Welcome to IBM i Access for Web, the lightweight, browser-based access to your IBM i resources.
Pure Java servlet based access
IBM i Access for Web is a set of servlets that run on IBM i platforms as extensions to the HTTP server. The servlets provide access to databases, files, print queues, printer output, and messages contained on the system.
Industry standard protocol
IBM i Access for Web uses the industry standard HTTP and HTTPS protocols instead of proprietary TCP/IP ports and protocols. Firewall issues are much more manageable as a result.
Lightweight access
IBM i Access for Web provides lightweight, and convenient access to IBM i platforms from any Web browser. Most of the IBM i Access for Web functions have minimal browser requirements and work with almost any browser on any platform.
No client code
IBM i Access for Web runs entirely on the IBM i platform. There is no client code to install and manage. Simply install and configure on the system, and access from any Web browser.
Object level security
Access to IBM i resources is based on object level security. Users and groups can only access the data to which they are authorized.
Fully customizable
Access to IBM i Access for Web functionality can be restricted for users and groups of users. IBM i Access for Web is fully customizable so a user will only see and access what the administrator has configured for them to use and see.
Web components
IBM i Access for Web is also a set of Web components for Web applications. Web applications can link to the IBM i Access for Web servlet URLs and take advantage of the functions that IBM i Access for Web provides.
IBM | IBM i | Support
7.2.0.13-320.SI53292


IBM i Mobile Access - web
DEMO time:
http://173.12.168.74:2001/iamobile
IAMOBILE/I@MOBIL3

Half way point - Break ?
At 12:30 PM EST

If we haven't already at 12:30 pm EST we should move on to the JAVA client.

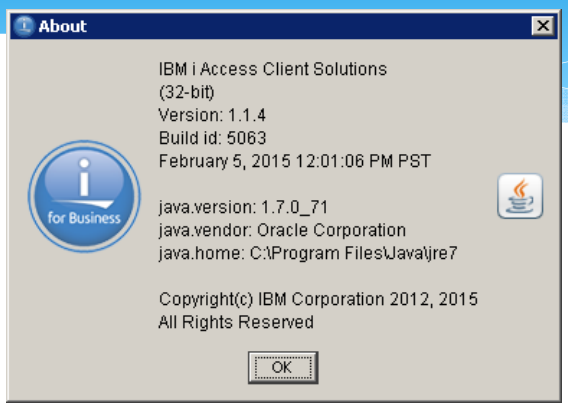
IBM i Access Client Solutions
5733-XJ1 (ACS)

The Java Client

IBM i Access Client Solutions

1. **What is it?**
2. Why would I want to use it?
3. How do I get the product?
4. How do I install the code?
5. How do I configure my system?
6. Brief overview of functionality.
7. Live demo and questions

What is it?



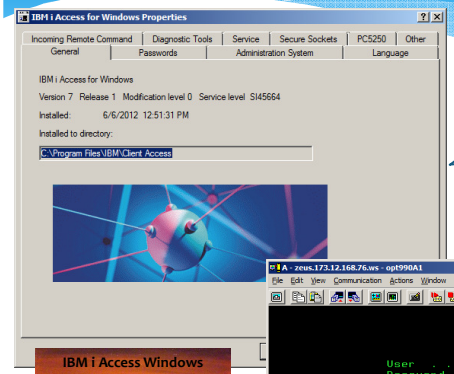
The current Version – available on 2/16/2015

What is it?

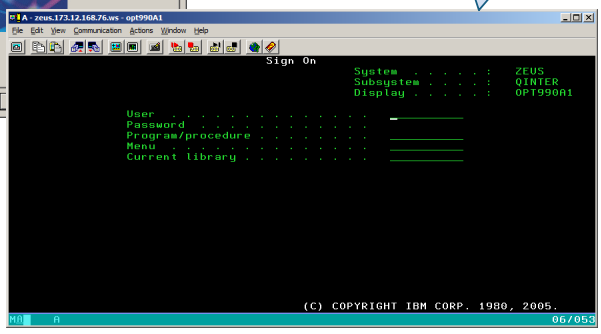
IBM i Access Client Solutions is a Java based solution to access most IBM i system functions.

* The product is 5733-XJ1, currently at version 1.1.3.
* The will run from a thumb drive.
* The product is not "installed."
* The product can be launched from a remote drive.
* The product will run on any Java platform.

What is it?



Are you familiar with 5770-XW1, the classic IBM i Access for Windows product?



IBM i Access Client Solutions

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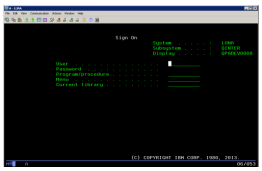
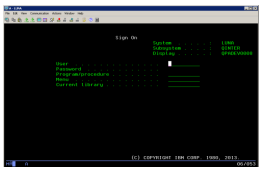
Why would I want to use it?

- 5250 display emulation
- Printer emulation
- Printer Output
- Data transfer
- System i Navigator
- LAN /HMC Console
  - 5250 emulation
  - Control Panel



Why would I want to use it?

* Runs anywhere Java runs
* Tiny footprint.
* Runs from a thumb drive.
* No installation.
* New 5250 features.
* Client Access sunset.
* LAN /HMC Console



IBM i Access Client Solutions

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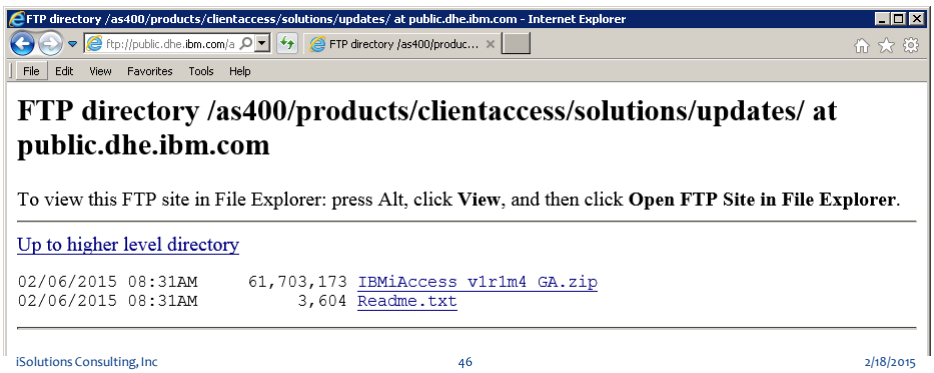
How do I get the product?

- The code must be downloaded from IBM's Entitled Software Support (ESS) web site. **This is a one time requirement.**
- Follow the steps in the SIX Page document to find this gem. It is well hidden! ☺
- Updates can be downloaded from IBM i Access Client Solutions web site.
- ftp://public.dhe.ibm.com/as400/products/clientaccess/solutions/updates/

How do I get the product?

ftp://public.dhe.ibm.com/as400/products/clientaccess/solutions/updates/



IBM i Access Client Solutions

1. What is it?
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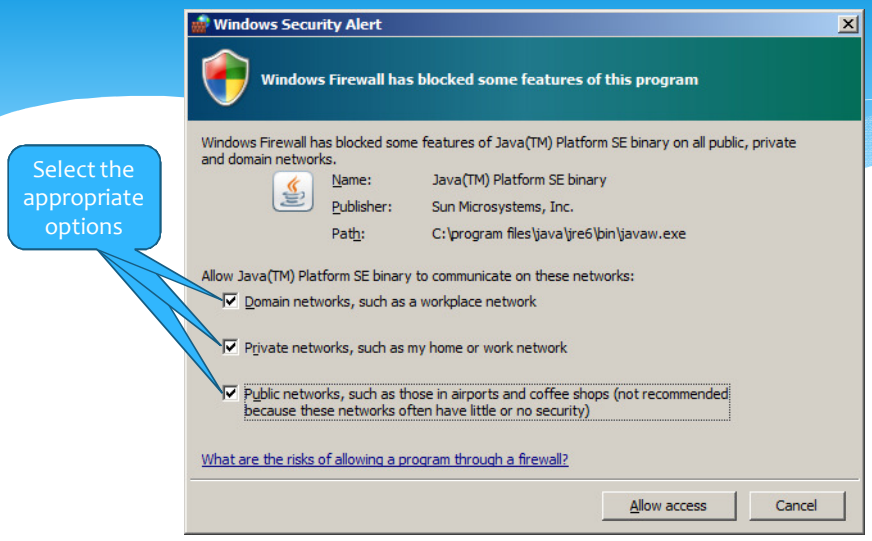
How do I install the code?

* Un-Zip the file you downloaded. That's it!
* Once you have met all of the prerequisites, simply start the product:

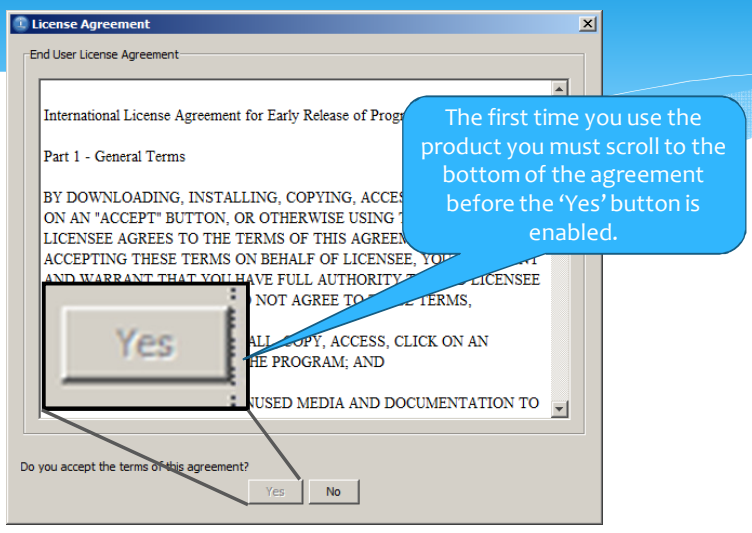
Windows executable:	'acslaunch_win-32.exe.'
Windows script:	'acslaunch.js'
Open the jar file:	'ascbundle.jar'

How do I install the code?

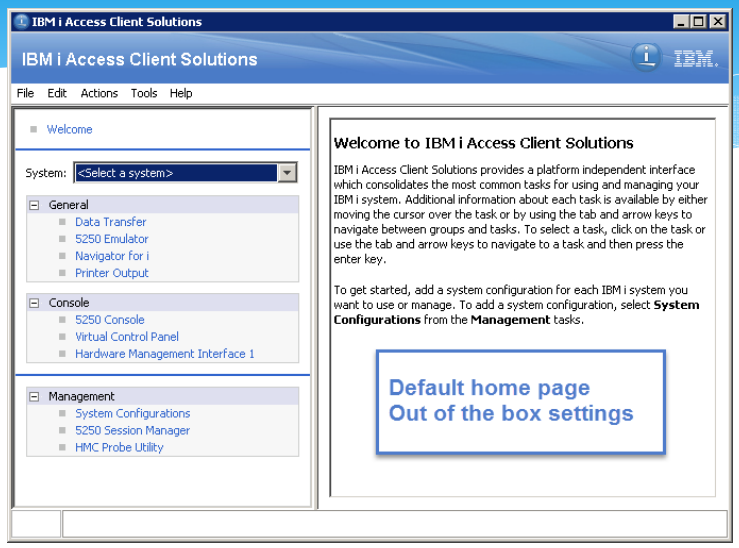


The first time you open the product you will probably see this screen.

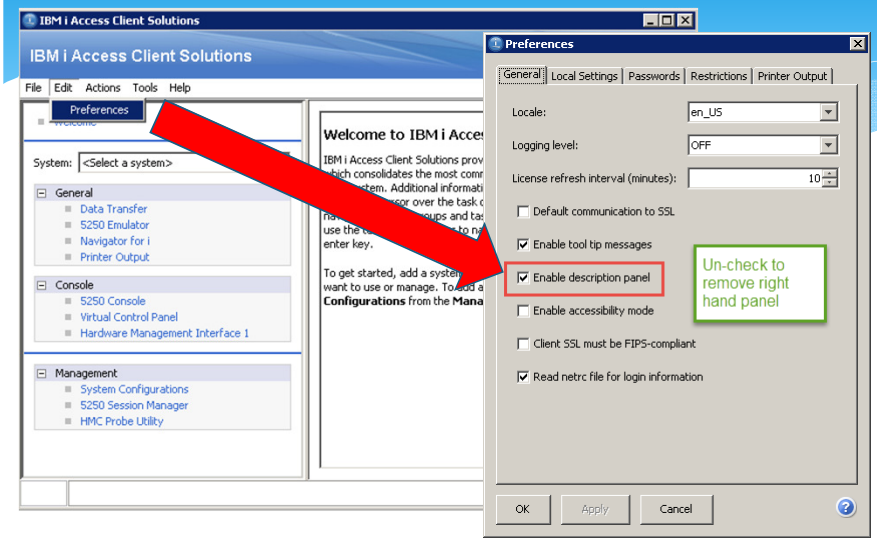
How do I install the code?



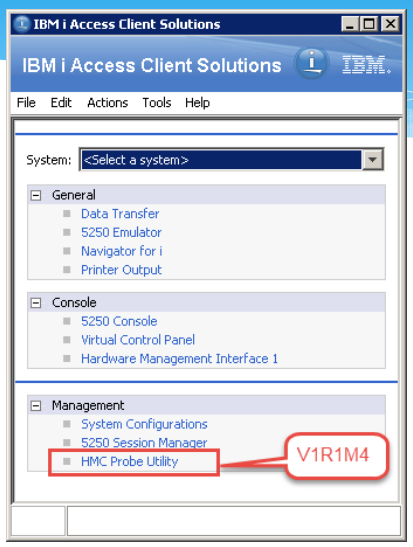
How do I install the code?



How do I install the code?



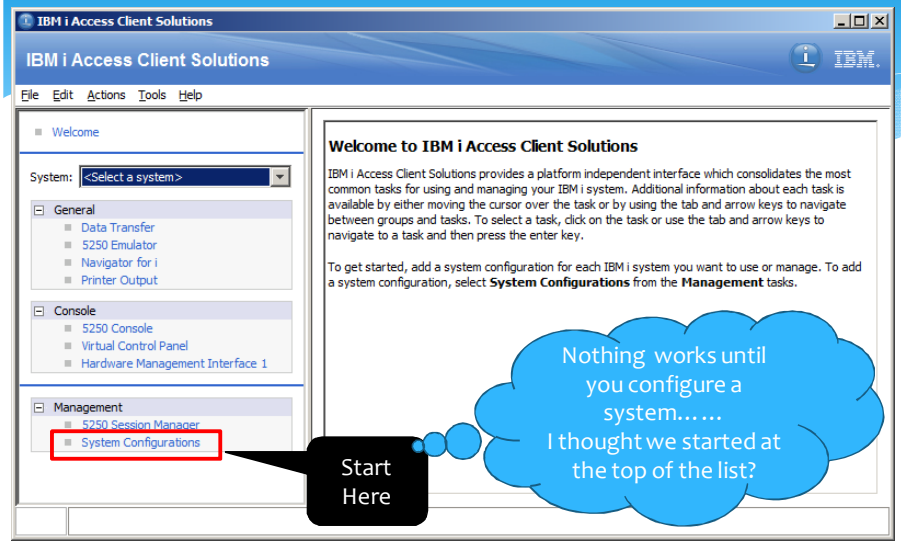
Simpler home page



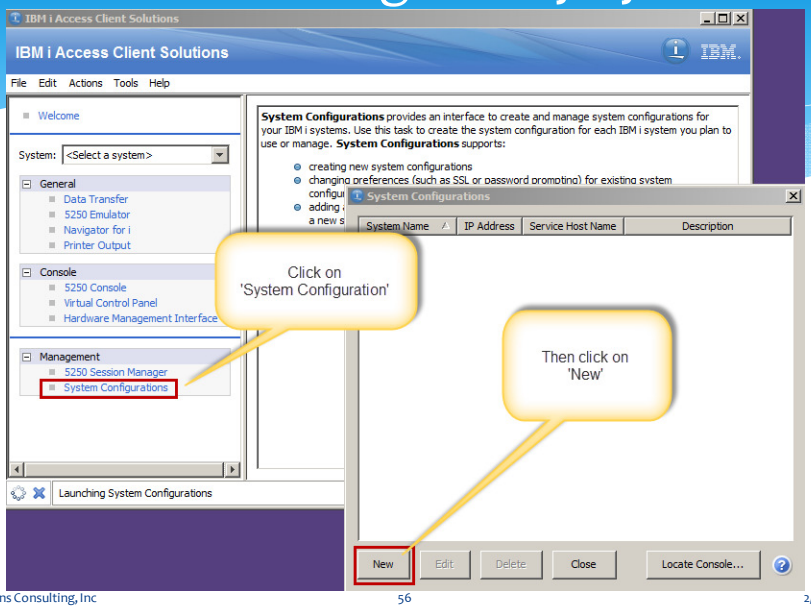
IBM i Access Client Solutions

1. What is it?
2. Why would I want to use it?
3. How do I get the product?
4. How do I install the code?
5. **How do I configure my system?**
6. Brief overview of functionality.
7. Live demo and questions

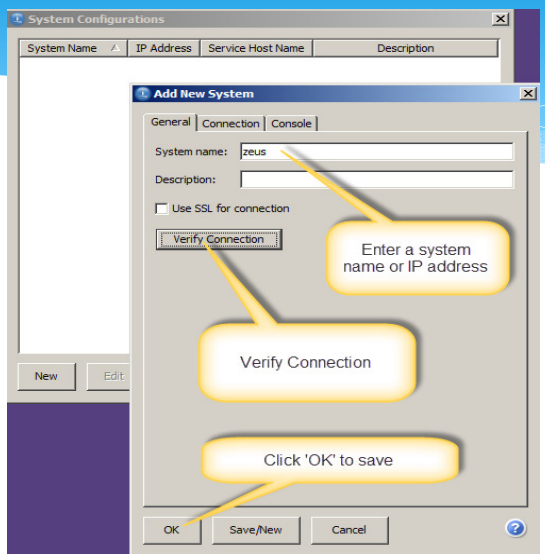
How do I configure my system?



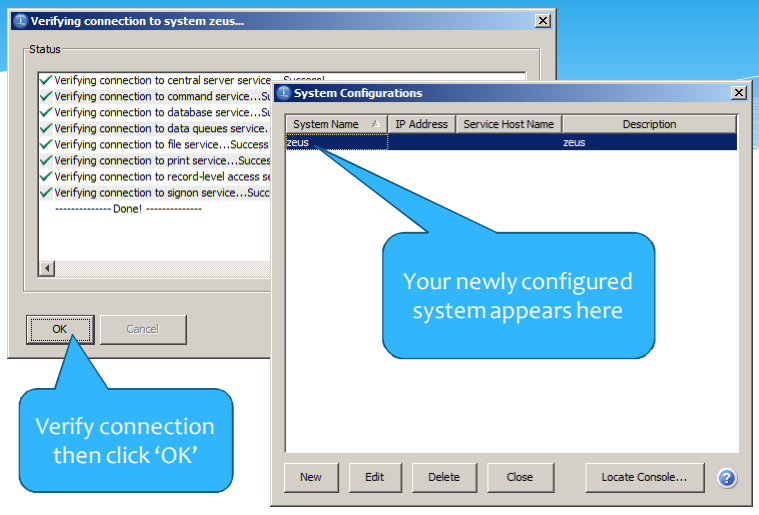
How do I configure my system?



How do I configure my system?



How do I configure my system?



IBM i Access Client Solutions

1. What is it?
2. Why would I want to use it?
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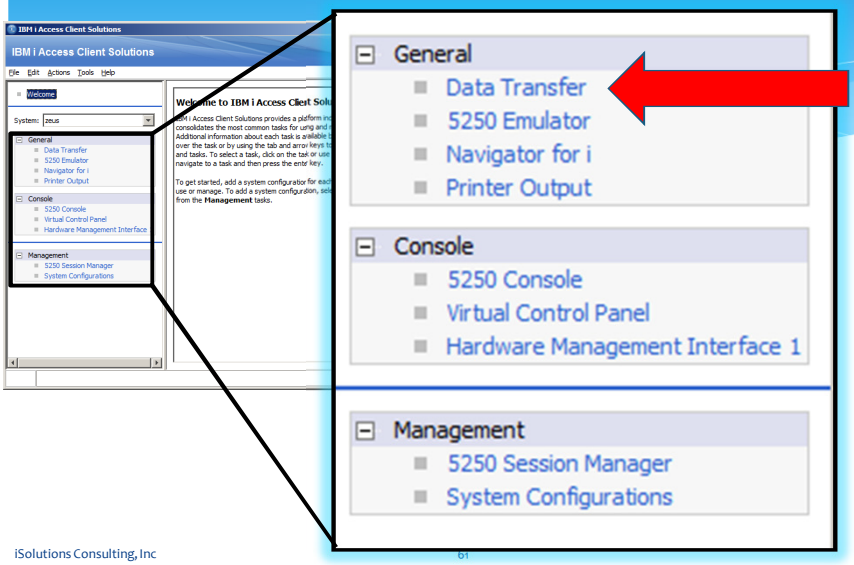
4. How do I install the code?
5. How do I configure my system?
6. **Brief overview of functionality.**
7. Live demo and questions

IBM i Access Client Solutions

Brief overview of some of my favorite functions.

I am showing just a few of my favorite functions.

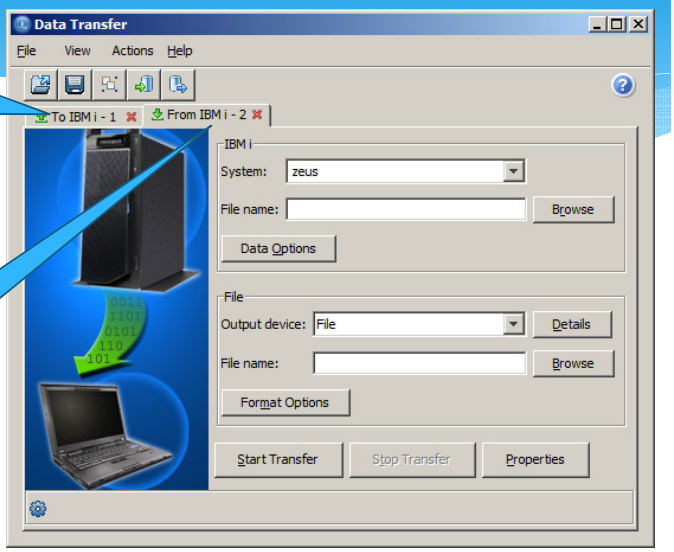
Data Transfer



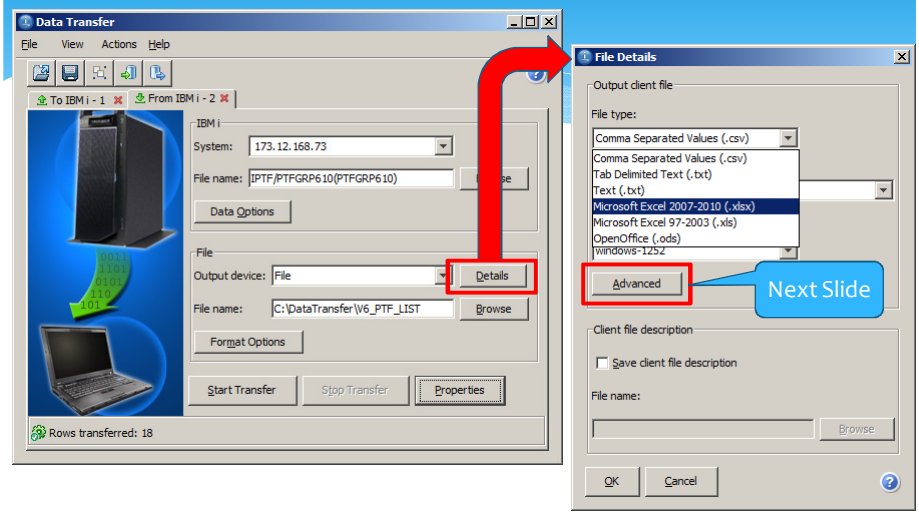
Data Transfer to a file

A 'transfer to' shell appears

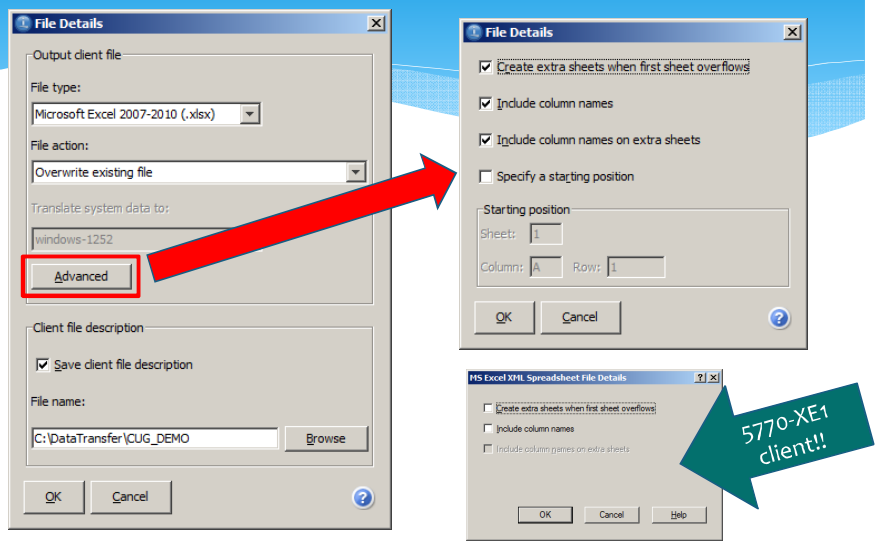
along with a 'Transfer from' shell



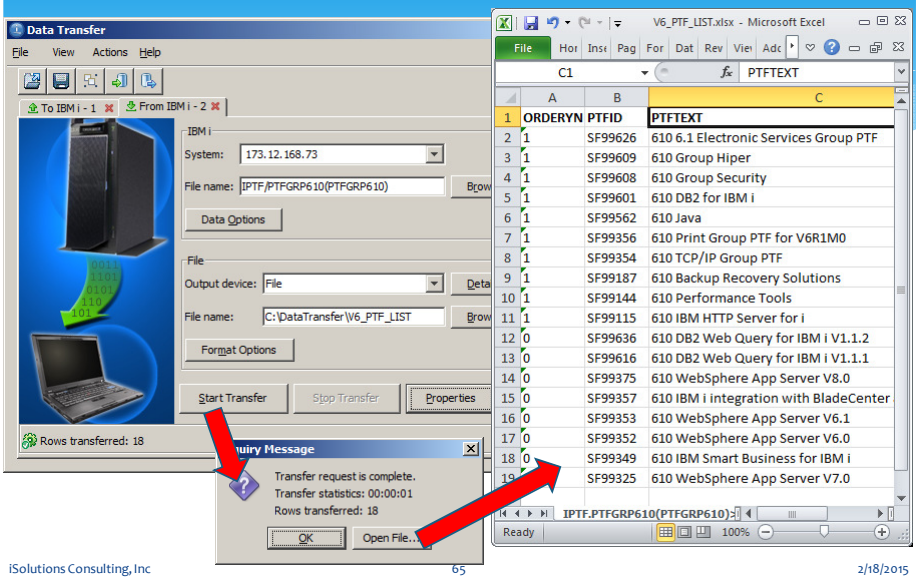
Data Transfer to a file



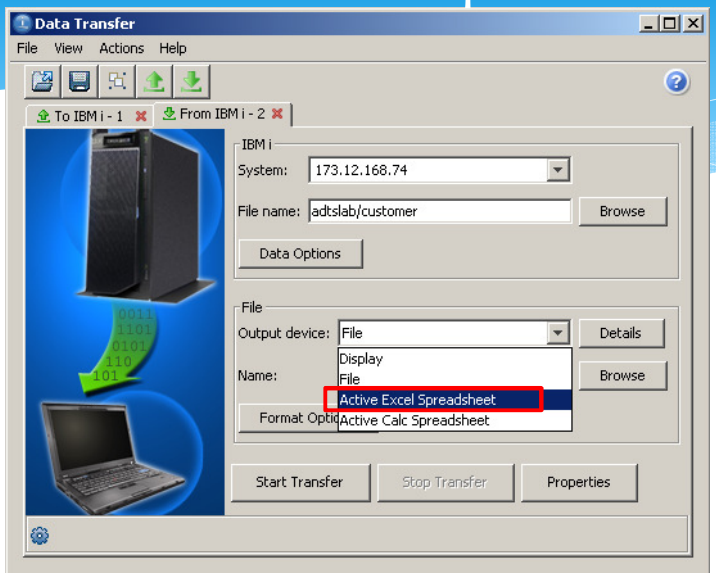
Data Transfer to a file

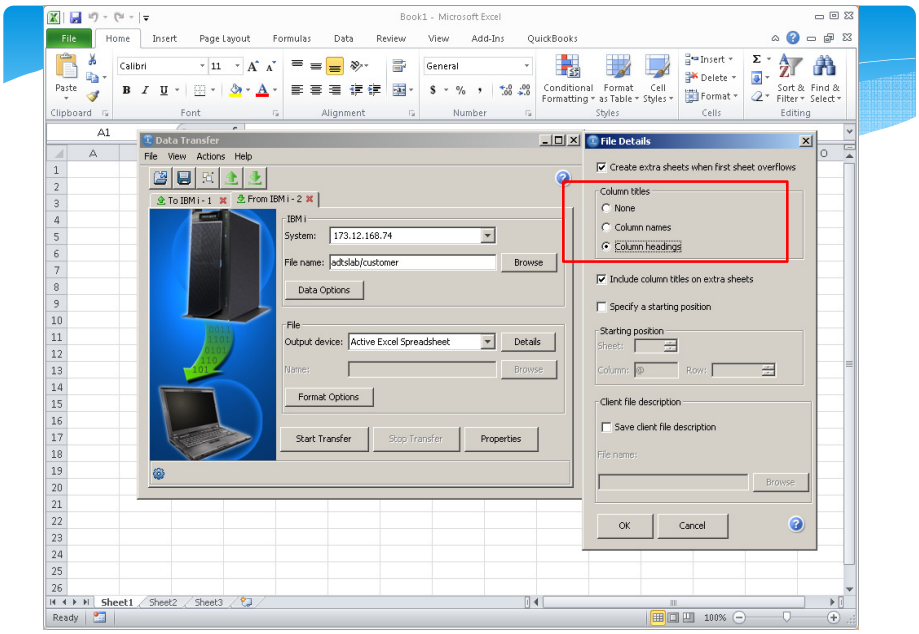


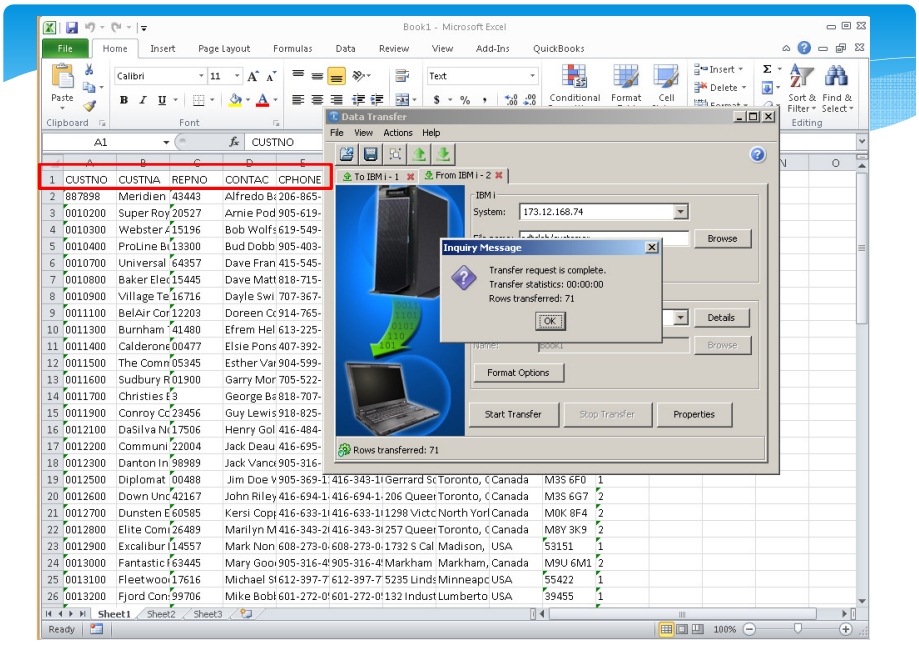
Data Transfer to a file



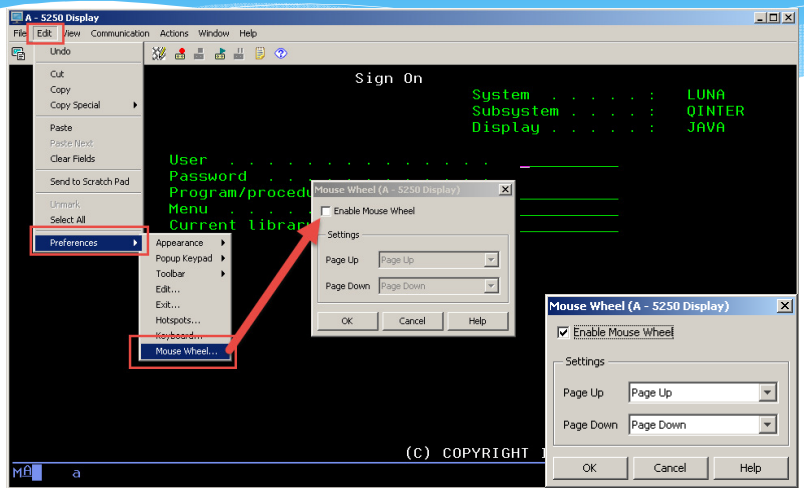
Data Transfer to a spreadsheet



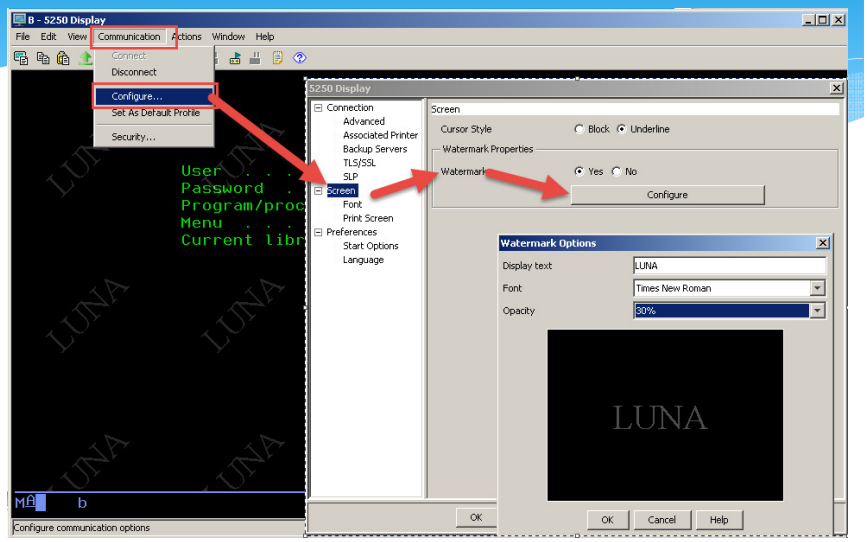

Book1 - Microsoft Excel
Data Transfer
File Details
Create extra sheets when first sheet overflows
Column titles
None
Column names
Column headings
Include column titles on extra sheets
Specify a starting position
Starting position
Client file description
Save client file description
File name:
OK
Cancel
To IBM i - 1
From IBM i - 2
IBM i
System:
173.12.168.74
File name:
adtslab/customer
Browse
Data Options
File
Output device:
Active Excel Spreadsheet
Details
Format Options
Start Transfer
Stop Transfer
Properties
Sheet1
Sheet2
Sheet3
Ready
100%


Book1 - Microsoft Excel
Data Transfer
Inquiry Message
Transfer request is complete.
Transfer statistics: 00:00:00
Rows transferred: 71
OK
To IBM i - 1
From IBM i - 2
IBM i
System:
173.12.168.74
Browse
Details
Format Options
Start Transfer
Stop Transfer
Properties
Rows transferred: 71
CUSTNO
CUSTNA
REPNO
CONTAC
CPHONE
Sheet1
Sheet2
Sheet3
Ready
100%

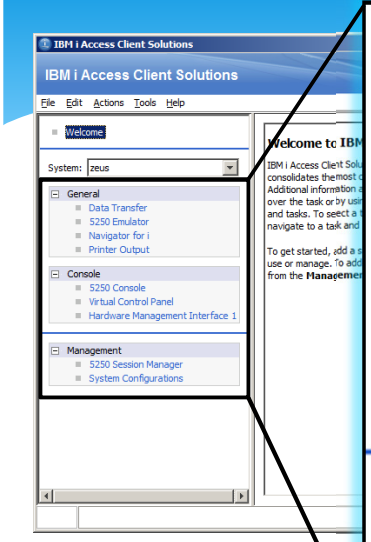
Mouse roll button



Watermark



Printer output



General
Data Transfer
5250 Emulator
Navigator for i
Printer Output
Console
5250 Console
Virtual Control Panel
Hardware Management Interface 1
Management
5250 Session Manager
System Configurations

Printer output

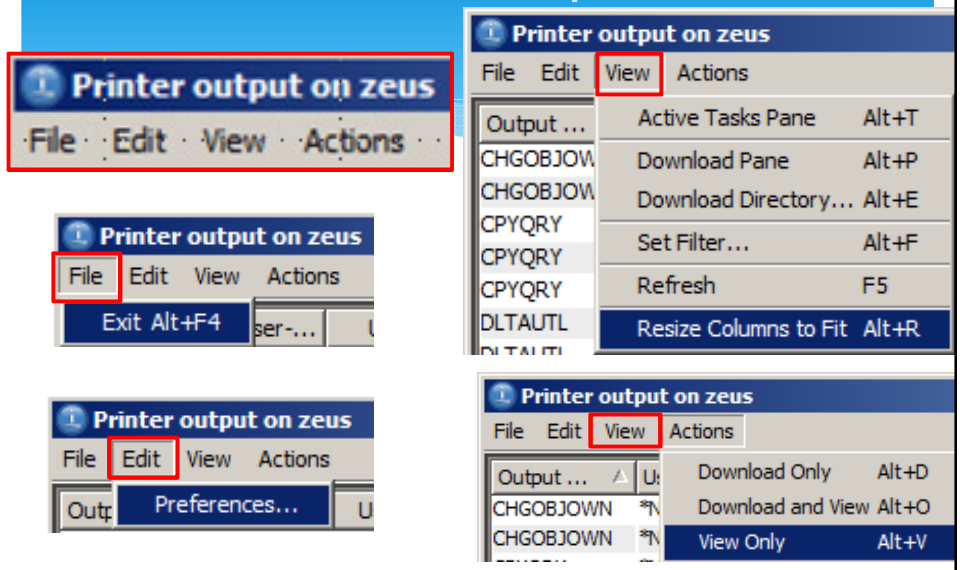
Printer output on zeus

File Edit View Actions

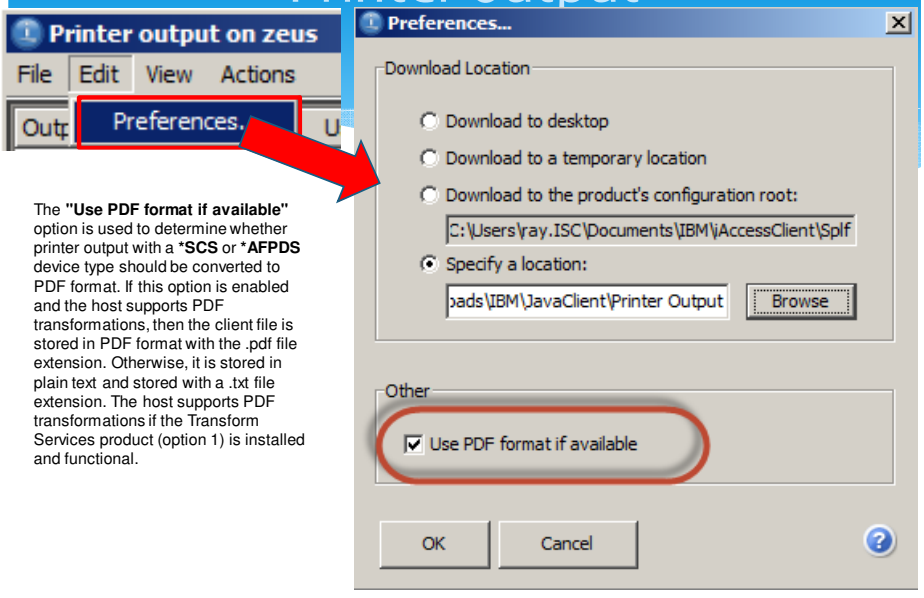
Output ...	User-...	User	Status	...	...	...	Time cr...	Date cr...	Output queue	Prin...	...	Job name
CHGOBJOWN	*NONE	RJOHNSON	READY		9	1	3:31 PM	4/10/12	ADMIN400/R...	*SCS	1	RJOHNSON/QDFTJOBD/045046
CHGOBJOWN	*NONE	RJOHNSON	READY		9	1	3:31 PM	4/10/12	ADMIN400/R...	*SCS	1	RJOHNSON/QDFTJOBD/045047
CPYQRY	*NONE	RJOHNSON	READY		13	1	3:22 PM	4/10/12	ADMIN400/R...	*SCS	1	RJOHNSON/QDFTJOBD/045037
CPYQRY	*NONE	RJOHNSON	READY		13	1	3:23 PM	4/10/12	ADMIN400/R...	*SCS	1	RJOHNSON/QDFTJOBD/045038
CPYQRY	*NONE	RJOHNSON	READY		13	1	3:25 PM	4/10/12	ADMIN400/R...	*SCS	1	RJOHNSON/QDFTJOBD/045039
DLTAUTL	*NONE	RJOHNSON	READY		5	1	1:42 PM	10/10/12	ADMIN400/R...	*SCS	1	RJOHNSON/ZZRAYJE1/056615
DLTAUTL	*NONE	RJOHNSON	READY		5	1	1:46 PM	10/10/12	ADMIN400/R...	*SCS	1	RJOHNSON/QDFTJOBD/056626
DLTAUTL	*NONE	RJOHNSON	READY		5	1	2:11 PM	10/10/12	ADMIN400/R...	*SCS	1	RJOHNSON/QDFTJOBD/056637
DLTUSRPRF	*NONE	RJOHNSON	READY		5	1	10:53 AM	10/10/12	ADMIN400/R...	*SCS	1	RJOHNSON/RAYC1/056102
DLTUSRPRF	*NONE	RJOHNSON	READY		5	1	10:56 AM	10/10/12	ADMIN400/R...	*SCS	2	RJOHNSON/RAYC1/056102
PTNS1001P	*NONE	RJOHNSON	READY		1	1	12:02 AM	10/10/12	ADMIN400/R...	*SCS	4	RJOHNSON/ZZRAYJD1/056106
QPCSMPRT	*NONE	RJOHNSON	READY		3	1	11:25 AM	10/24/12	QUSRSYS/PR...	*SCS	1	RJOHNSON/RAYJG1/058307
QPDSPLOG	*NONE	RJOHNSON	READY		1	1	3:20 PM	7/2/12	ADMIN400/R...	*SCS	1	RJOHNSON/ZZRAYJD1/053809
QPDSPOLK	*NONE	RJOHNSON	READY		1	1	10:42 AM	4/10/12	ADMIN400/R...	*SCS	2	RJOHNSON/ZZRAYJC1/044766
QPDZDTALOG	*NONE	RJOHNSON	READY		1	1	10:49 AM	10/10/12	ADMIN400/R...	*SCS	1	RJOHNSON/ZZRAYJD1/056106
QPDZDTALOG	*NONE	RJOHNSON	READY		1	1	10:54 AM	10/10/12	ADMIN400/R...	*SCS	2	RJOHNSON/ZZRAYJD1/056106
QPDZDTALOG	*NONE	RJOHNSON	READY		1	1	10:55 AM	10/10/12	ADMIN400/R...	*SCS	3	RJOHNSON/ZZRAYJD1/056106
QPEZDISK	*NONE	RJOHNSON	READY		5	1	1:54 PM	10/10/12	ADMIN400/R...	*SCS	1	RJOHNSON/ZZRAYJD1/056602
QPJOBLOG	*NONE	RJOHNSON	READY		154	1	10:45 AM	10/10/12	QUSRSYS/QE...	*SCS	1	RJOHNSON/BKRITE1219/056110
QPJOBLOG	*NONE	RJOHNSON	READY		147	1	10:46 AM	10/10/12	QUSRSYS/QE...	*SCS	1	RJOHNSON/BKBACKUP/056109
QPJOBLOG	*NONE	RJOHNSON	READY		191	1	10:50 AM	10/10/12	QUSRSYS/QE...	*SCS	1	RJOHNSON/BANKRITEBK/056108
QPJOBLOG	*NONE	RJOHNSON	READY		237	1	10:51 AM	10/10/12	QUSRSYS/QE...	*SCS	1	RJOHNSON/BANKRITE/056107

Retrieved 318 spooled files (1 selected)

Printer output

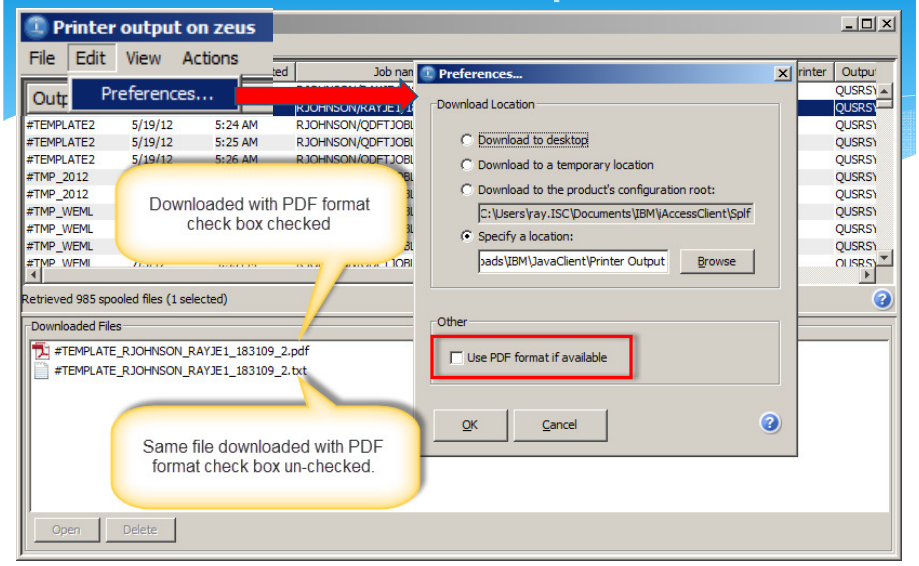


Printer output

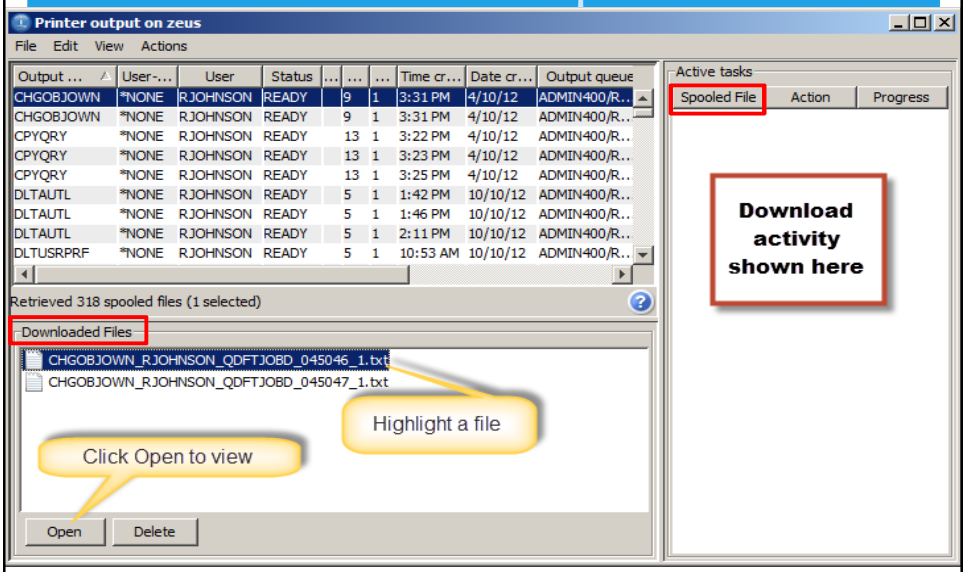


The **"Use PDF format if available"** option is used to determine whether printer output with a ***SCS** or ***AFPDS** device type should be converted to PDF format. If this option is enabled and the host supports PDF transformations, then the client file is stored in PDF format with the .pdf file extension. Otherwise, it is stored in plain text and stored with a .txt file extension. The host supports PDF transformations if the Transform Services product (option 1) is installed and functional.

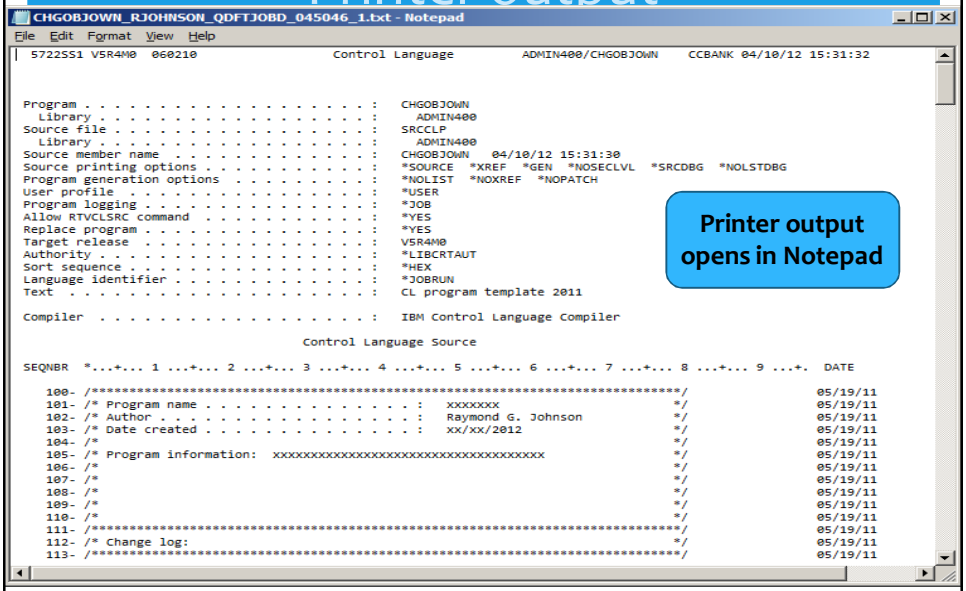
Printer output



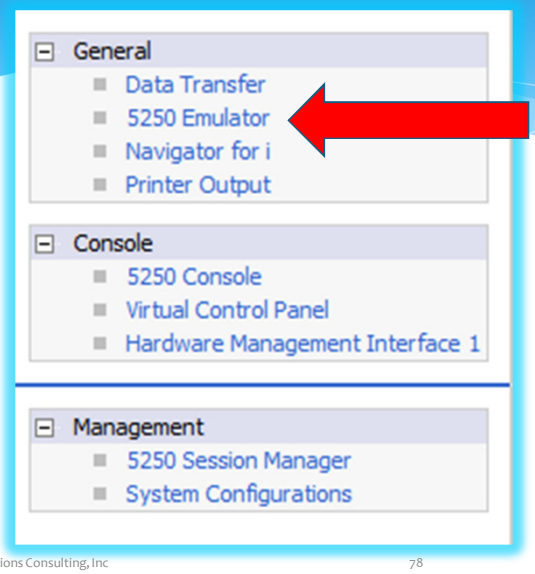
Printer output



Printer output

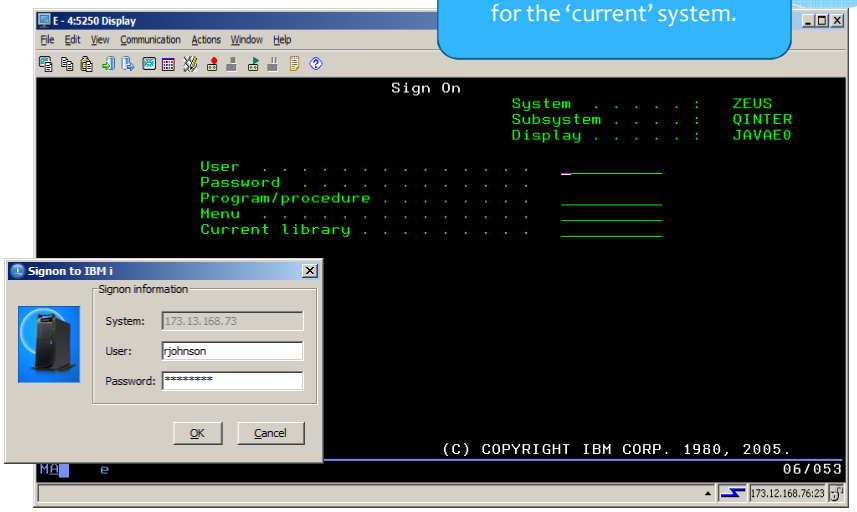


5250 Emulator



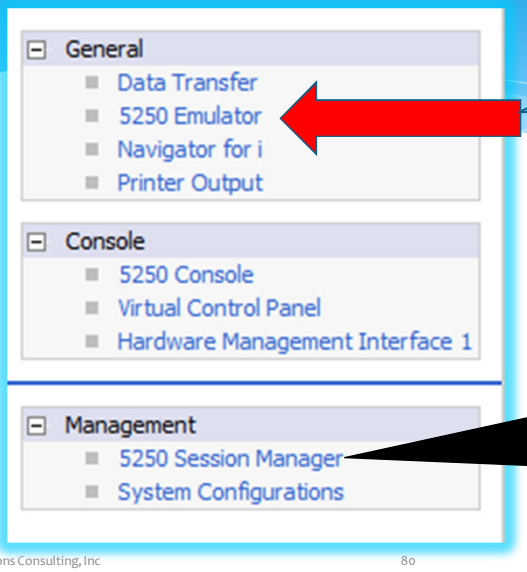
5250 Emulator

A 5250 emulation session starts for the 'current' system.



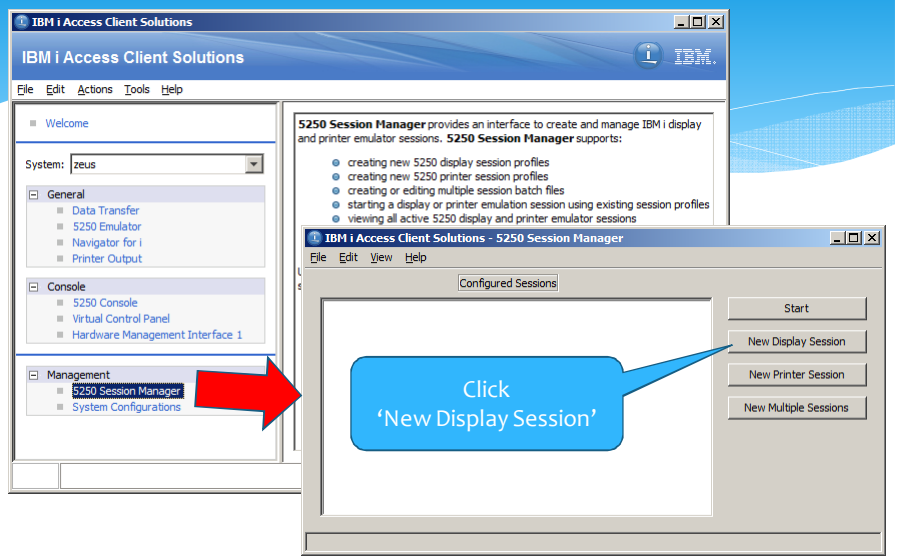
5250 Emulator

This option starts a default session on The current system.

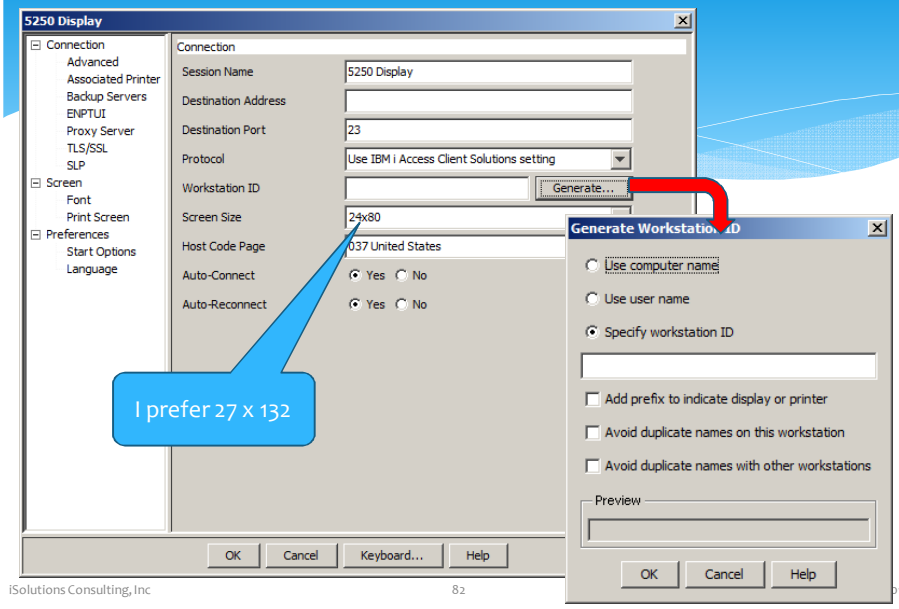


The 5250 Session Manager is where you can really configure the sessions.

5250 Emulator



5250 Emulator



IBM i Access Client

DEMO time:

Thank you for attending. ☺

THE END