Run IBM i Access Client Solutions
Data Transfer on the IBM i

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Overview of this session

The IBM i Access Client Solutions (ACS) product
  What it is
  What it includes

Prerequisites for working with ACS

How to obtain ACS

How to install and run ACS on a workstation

Why run ACS Data Transfer on the IBM i?

How to install and run ACS Data Transfer on the IBM i
The IBM i Access Client Solutions product

What it is

Java-based offering
Provides 5250 emulation, Data Transfer, Navigator for i

Why this product is interesting

Because it is Java-based, it can be installed and run on a Windows PC, a Mac, or a Linux workstation

Data Transfer can be run interactively or from a command line

Why this product is even more interesting

Because it is Java-based, it can be installed and run on an IBM i

Data Transfers can be run on the IBM i
The IBM i Access Client Solutions console

This console is displayed on a workstation when the ACS program is started.

Run IBM i Access Client Solutions Data Transfer
Prerequisites for working with ACS

As of late 2012, ACS is an “Early Release” product.

It includes a 5250 emulator and Data Transfer.
Those two components are the “licensed required” components of IBM i Access for Windows.

Java 6 SE (Standard Edition) or higher is required.

Workstation: download Java 6 from www.java.com (an Oracle site).

Java 6 on IBM i is LPP 57xxJV1.
Option 11 - Java SE 6 32 bit.
Option 12 - Java SE 6 64 bit.

Java 6 requires V5R4 or above.

Run IBM i Access Client Solution.
How to obtain IBM i Access Client Solutions

www-03.ibm.com/systems/power/software/i/access/solutions.html

Run IBM i Access Client Solutions Data Transfer
How to install ACS on a workstation

Downloads as a .zip file

Extract all files from zip to a directory (in this example, c:\IAC)

Run IBM i Access Client Solutions Data Transfer
How to run ACS on a workstation

Start_Programs directory
Contains directory of executables based on workstation OS
Example: .exe file for Windows

Start_Scripts directory
Contains directory of scripting files that launch the Java program
Windows: launches JavaScript file
Others: requires PERL to run script
Run ACS Data Transfer on a workstation

The Data Transfer interactive program is substantially the same as the IBM i Access for Windows version.

This GUI combines upload/download on the two tabs.

You can run Data Transfer (using a saved transfer request) from a command line:

```
java -jar c:\IAC\acsbundle.jar /PLUGIN=download /file=c:\IACX\qcustcdt.dtfx
```
Why run ACS Data Transfer on the IBM i?

Data Transfer is traditionally performed on user PCs

Transfer definitions can be created, saved, run on demand

RTOPBC / RFROMPCB / RXFERPCB

Often, there is a requirement to run a data transfer after a process has completed on the IBM i

Data Transfer can run at a scheduled time on the PC using a PC scheduler

Data Transfer can be invoked from the IBM i using the RUNRMTCMD command

Run IBM i Access Client Solutions Data Transfer
Why run ACS Data Transfer on the IBM i?

New alternative with IBM i Access Client Solutions

Run the Data Transfer on the IBM i

Java-based solution

Can run using the java command line (same commands that work on the workstation)

Can be run from interactive sessions on the IBM i

Can be run as batch job on the IBM i

**Allows complete programmability of the data transfer on the IBM i, with no dependency on workstation connection**
How to install ACS on the IBM i

The two required files are copied from the extracted .zip file on the workstation.

Can be copied to any directory in the IFS root file system.

Run IBM i Access Client Solutions Data Transfer
Prepare a saved transfer to run on the IBM i

The Client File is the output file (for a “transfer from”)

The FDFFile is the File Description File. It is used on a file upload (“transfer to”) to map the .csv data to the IBM i database file

Change the directory path from PC style (on the left) to IFS style (on the right)
Run an ACS Data Transfer in the QSH environment

The java command invokes the acsbundle.jar
The download plugin runs. It uses the xqcustcdt.dtxf saved transfer description to run the transfer.
Run the ACS Data Transfer from a 5250 command line (QSH command or RUNJVA command)
Submit ACS transfer request to batch

SBMJOB CMD(QSH CMD('java -jar /IAC/acsbundle.jar
 -Dos400.class.path.security.check=0
 /PLUGIN=download
 /file=/IACXFER/xqcustcdt.dtfx')) +
 JOB(QSHXFER) +
 LOG(4 00 *SECLVL) +
 LOGCLPGM(*YES) +
 CPYENVVVAR(*YES)

SBMJOB CMD(RUNJVA CLASS('/IAC/acsbundle.jar')
 PARM('/PLUGIN=download'
   '/file=/IACXFER/xqcustcdt.dtfx')
 CHKPATH(*IGNORE)) +
 JOB(RUNJVADTXF) +
 LOG(4 00 *SECLVL) +
 LOGCLPGM(*YES) +
 CPYENVVVAR(*YES)
The “entire file” download option

SBMJOB CMD(QSH CMD('java -jar /IAC/acsbundle.jar
-Dos400.class.path.security.check=0
/PLUGIN=cldownload
/hostfile=QCUSTCDT/QIWS
/clientfile=qcustcdt.xlsx)) +
  JOB(QSHXFER) +
  LOG(4 00 *SECLVL) +
  LOGCLPGM(*YES) +
  CPYENVVVAR(*YES)

SBMJOB CMD(RUNJVA CLASS('/IAC/acsbundle.jar')
  PARM('/PLUGIN=cldownload'
   '/hostfile=QCUSTCDT/QIWS'
   '/clientfile=qcustcdt.xlsx')
  CHKPATH(*IGNORE)) +
  JOB(RUNJVADTXF) +
  LOG(4 00 *SECLVL) +
  LOGCLPGM(*YES) +
  CPYENVVVAR(*YES)
Conclusion

IBM i Access Client Solutions can be used in a workstation environment

The Data Transfer features (download/upload) can be run directly on the IBM i

Data Transfer definitions (.dtfx, .dttx) files can be created/modified on a workstation, used on the IBM i

Can also use the “download complete file” option

Complete instructions:


Questions? Send me an email at: craig@web400.com
Subject line: ACSXFER – (your subject)