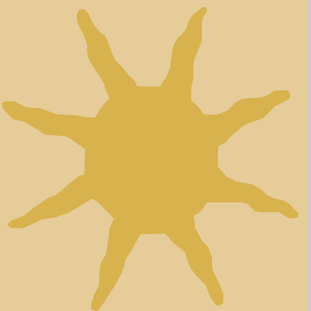
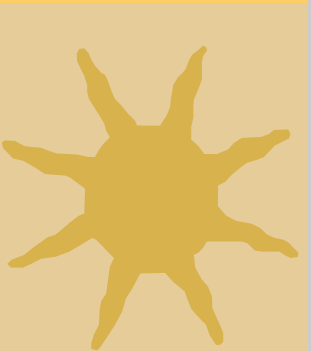


iSeries File Transfer



Basic transfer types

- ★ Save files
- ★ CSV files (spreadsheets)
- ★ Flat files
- ★ Spool files

FTP overview

- ★ Reference manual URL -

<http://publib.boulder.ibm.com/infocenter/iseriess/v5r3/index.jsp?topic=/rzaiq/rzaiqreference.htm>

- ★ You can set up your iSeries[™] server to send, receive, and share files across networks by using the file transfer protocol (FTP). You can also rename, add, and delete files. Before you set up your system to transfer files, you must have TCP/IP configured and started on your system.

(You can also execute iSeries commands and more)

Transfer basics

- ★ Start FTP client session
 - FTP *ipaddress*
- ★ Enter your *username* and *password* when prompted
- ★ Locate the library or folder on the iSeries
 - CD library
- ★ Change into the folder on your PC you want to use
 - LCD C:\folder\onpc\where\stuffis
 - LCD “C:\Program Files”
- ★ Send a file to the iSeries or Get one from it
 - PUT filename or GET filename
- ★ QUIT

Transfer basics

- ★ DIR will display all of the objects in the current directory
- ★ PWD will show your current directory
- ★ CD when using namefmt 1
 - CD /QSYS.LIB/AURORA.LIB/QCLSRC.FILE
 - Yes, thats a multi-member file acting like a directory
 - “DIR” would display a list of all of the members
- ★ HELP – shows a list of the available Client commands
- ★ QUOTE HELP – shows the Server Help message

Transfer basics

★ Server-FTP commands follow:

Unsupported commands marked with an *.

ABOR, ACCT*, ADDM, ADDV, ALLO*, APPE, AUTH, CDUP, CRTL, CRTP, CRTS ...

If this connection is not used more than 300 seconds, the session will end.

Integrated File Systems include: "root" (/), QOpenSys, QLANSrv.

Integrated File System files use format: /fsname/fsdependentnameformat

For information about a specific command, enter HELP <command>.

★ FTP Reference Manual

- <http://publib.boulder.ibm.com/infocenter/iserics/v5r3/index.jsp?topic=/rzaiq/rzaiqreference.htm>

Gotchas

- ★ NAMEFMT (name formatting)
- ★ QUOTE SITE NAMEFMT 0

- For working with standard library objects

File identifiers have three components: Library, File and member.

Library and file components are separated by the / delimiter.

File and member components are separated by the . delimiter.

Example: Library/file.member.

- PUT something.txt QGPL/QCLSRC.TEST
- CD QGPL
- PUT something.txt QCLSRC.TEST
- If you have CD'ed to an IFS folder, you cannot change to NAMEFMT 0. You must CD to a library first *CD /QSYS.LIB*

Gotchas (cont)

★ QUOTE SITE NAMEFMT 1

- For working with IFS objects (ie. All objects)
- Directory levels separated by the / delimiter.
- Database files use
format: /QSYS.lib/Libname.lib/Fname.file/Mname.mbr
- Documents (files) stored in folders use
format: /QDLS/folder/document.ext
- CD / (puts you in the root IFS folder)
- You can't CD to the IFS unless you switch to NAMEFMT 1 first. Unless, of course, its the first thing you do.

Save files

- ★ How to get one with FTP
 - (start ftp session)
 - BIN
 - GET /QSYS.LIB/libname.LIB/filename.SAVF (*namefmt 1*)
 - GET savefile (*namefmt 0*)
- ★ When transferring a *SAVF file using name format 0, the save file on the receiving system must be pre-created.
 - BIN
 - PUT savefile /QSYS.LIB/libname.LIB/filename.SAVF (*namefmt 1*)
 - PUT savefile (*namefmt 0*)

CSV Files

- ★ CPYFRMIMPF FROMSTMF (' /TMP/WHOLESALEITEMLIST.CSV')
TOFILE (LIBRARY/ALLWHSE) MBROPT (*REPLACE)
RCDDLML (*CRLF) STRDLM (' ` ') FLDDLML (|)
DATFMT (*USA) RPLNULLVAL (*FLDDFT)
- ★ Comma *FLDDLML (,)* vs. Pipe *FLDDLML (|)*
- ★ Acute *STRDLM (' ` ')* vs. Double Quote *STRDLM (' " ')*
- ★ Excel vs. OpenOffice

Flat Files

★ CPYFRMSTMF First

- ★ Create a program described file (no dds) with a record length equal to the length you need

★ CRTPF MYFILE RCDLEN(110)

- ★ CPYFRMSTMF FROMSTMF('/folder/flatfile')
TOMBR('/qsys.lib/aplus2fne.lib/palmoewk.file/
palmoewk.mbr') MBROPT(*ADD)

★ CPYFRMIMPF Second

Spool Files

- ★ Copy the Spool file to a physical and then FTP it.
- ★ Send TCP/IP Spooled File (SNDTCPSPLF)
 - For sending the spool file to another iSeries or remote printer

The Send TCP/IP Spooled File (SNDTCPSPLF) command sends a spooled file to be printed on a remote system. The remote system must be running TCP/IP. The SNDTCPSPLF command is the iSeries version of the TCP/IP LPR (Line Printer Requester) command.

Automated FTP

- ★ `OVRDBF FILE (INPUT) TOFILE (&LIB/&FILE) MBR (&MBR)`
- ★ `OVRDBF FILE (OUTPUT) TOFILE (QGPL/QTXTSRC) MBR (FTPOUTPUT)`
- ★ `FTP RMTSYS (&rmtsys) OR FTP RMTSYS ('128.1.1.4')`

- ★ INPUT Member

teagan te

lcd lxitms400

cd emcwork

bin

put lidlomst.lidlomst bcvidlomst.lidlomst

quote rcmd CALL EMCWORK/LXIIMPORT

quit

- ★ The Output Member will contain all of the FTP messages

What if I don't like FTP ?

- ★ Client Access data transfer
- ★ Map your IFS to a local drive on your PC
- ★ Email it