FTP

Code   Explanation

100 Series The requested action is being initiated, expect another reply before proceeding with a new command.

110   Restart marker replay . In this case, the text is exact and not left to the particular implementation; it must read: MARK yyyy = mmmm where yyyy is User-process data stream marker, and mmmm server's equivalent marker (note the spaces between markers and "=").

120   Service ready in nnn minutes.

125   Data connection already open; transfer starting.

150   File status okay; about to open data connection.

200 Series The requested action has been successfully completed.

202   Command not implemented, superfluous at this site.

211   System status, or system help reply.

212   Directory status.

213   File status.

214   Help message.On how to use the server or the meaning of a particular non-standard command. This reply is useful only to the human user.

215   NAME system type. Where NAME is an official system name from the registry kept by IANA.

220   Service ready for new user.

221   Service closing control connection.

225   Data connection open; no transfer in progress.

226   Closing data connection. Requested file action successful (for example, file transfer or file abort).

227   Entering Passive Mode (h1,h2,h3,h4,p1,p2).

228   Entering Long Passive Mode (long address, port).

229   Entering Extended Passive Mode (|||port|).

230   User logged in, proceed. Logged out if appropriate.

231   User logged out; service terminated.

232   Logout command noted, will complete when transfer done.

234   Specifies that the server accepts the authentication mechanism specified by the client, and the exchange of security data is complete. A higher level nonstandard code created by Microsoft.

250   Requested file action okay, completed.

257   "PATHNAME" created.

300 Series The command has been accepted, but the requested action is on hold, pending receipt of further information.

331   User name okay, need password.

332   Need account for login.

350   Requested file action pending further information

400 Series The command was not accepted and the requested action did not take place, but the error condition is temporary and the action may be requested again.

421   Service not available, closing control connection. This may be a reply to any command if the service knows it must shut down.

425   Can't open data connection.

426   Connection closed; transfer aborted.

430   Invalid username or password

434   Requested host unavailable.

450   Requested file action not taken.

451   Requested action aborted. Local error in processing.

452   Requested action not taken. Insufficient storage space in system.File unavailable (e.g., file busy).

500 Series Syntax error, command unrecognized and the requested action did not take place. This may include errors such as command line too long.

501   Syntax error in parameters or arguments.

502   Command not implemented.

503   Bad sequence of commands.

504   Command not implemented for that parameter.

530   Not logged in.

532   Need account for storing files.

550   Requested action not taken. File unavailable (e.g., file not found, no access).

551   Requested action aborted. Page type unknown.

552   Requested file action aborted. Exceeded storage allocation (for current directory or dataset).

553   Requested action not taken. File name not allowed.

600 Series Replies regarding confidentiality and integrity

631   Integrity protected reply.

632   Confidentiality and integrity protected reply.

633   Confidentiality protected reply.

10000 Series   Common Winsock Error Codes

10054   Connection reset by peer. The connection was forcibly closed by the remote host.

10060   Cannot connect to remote server.

10061   Cannot connect to remote server. The connection is actively refused by the server.

List of raw FTP commands

(Warning: this is a technical document, not necessary for most FTP use.)

Note that commands marked with a * are not implemented in a number of FTP servers.

Common commands

- ABOR - **abor**t a file transfer
- CWD - **c**hange **w**orking **d**irectory
- DELE - **dele**te a remote file
- LIST - **list** remote files
- MDTM - return the **mo**dification **tim**e of a file
- MKD - **m**ake a remote **d**irectory
- NLST - **n**ame **list** of remote directory
- PASS - send **pass**word
- PASV - enter **pas**sive mode
- PORT - open a data **port**
- PWD - **p**rint **w**orking **d**irectory
- QUIT - terminate the connection
- RETR - **retr**ieve a remote file
- RMD - **rem**ove a remote **d**irectory
- RNFR - **ren**ame **fr**om
- RNTO - **ren**ame **to**
- SITE - **site**-specific commands
- SIZE - return the **size** of a file
- STOR - **stor**e a file on the remote host
- TYPE - set transfer **type**
- USER - send **user**name

Less common commands

- ACCT* - send **acc**oun**t** information
- APPE - **appe**nd to a remote file
- CDUP - CWD to the parent of the current directory
- HELP - return **help** on using the server
- MODE - set transfer **mode**
- NOOP - do nothing
- REIN* - **rein**itialize the connection
- STAT - return server **stat**us
- STOU - **sto**re a file **u**niquely
- STRU - set file transfer **stru**cture
- SYST - return **syst**em type