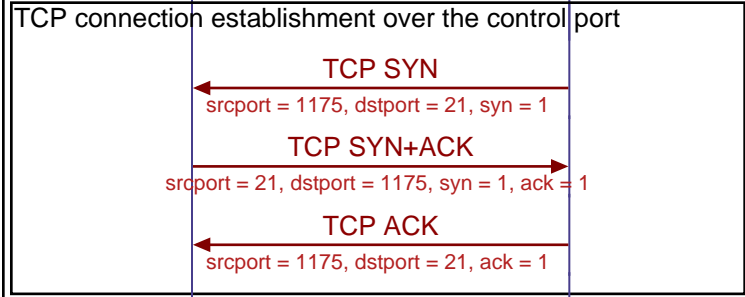




FTP Telnet connection setup and login. (USER and PASS commands).

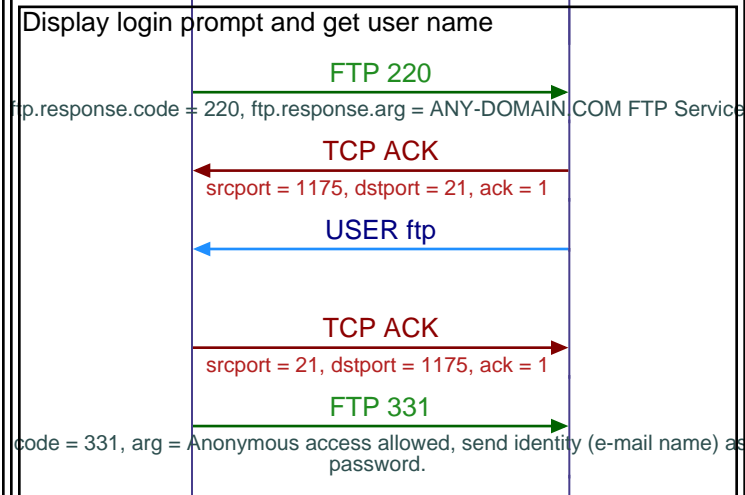


FTP client initiates establishment of the telnet session TCP connection by sending a SYN to TCP port 21

The FTP server responds with SYN+ACK

The client machine responds with an ACK, this completes the TCP three way handshake.

Logging in

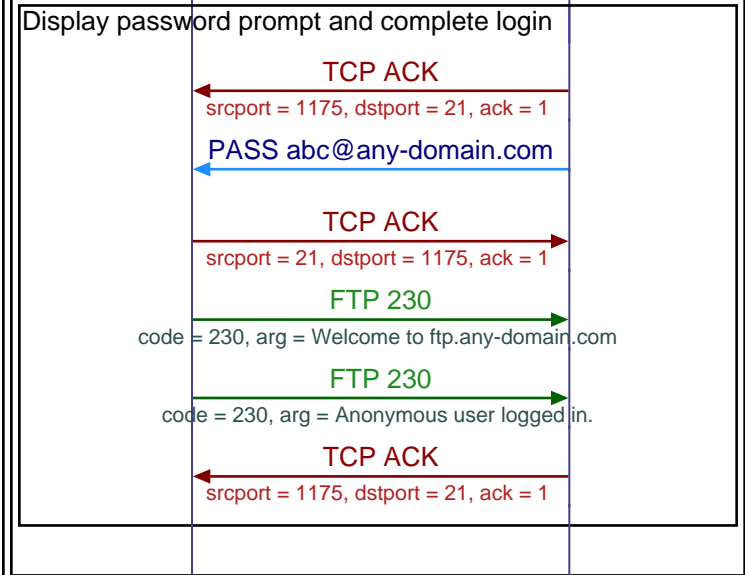


The FTP server then sends a 220 response to indicate that the FTP server is ready to accept a login.

The client machine acknowledges the FTP 220 TCP packet.

User's login name is transported in a TCP segment. In this example an anonymous FTP is being initiated with the user name "ftp"

FTP server indicates that anonymous FTP is allowed.

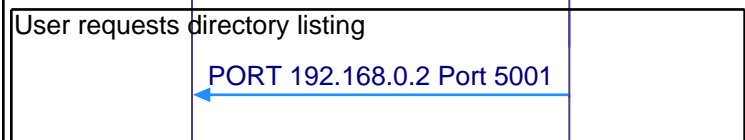


User enters his or her e-mail address as the password. This password is being transported by this TCP segment.

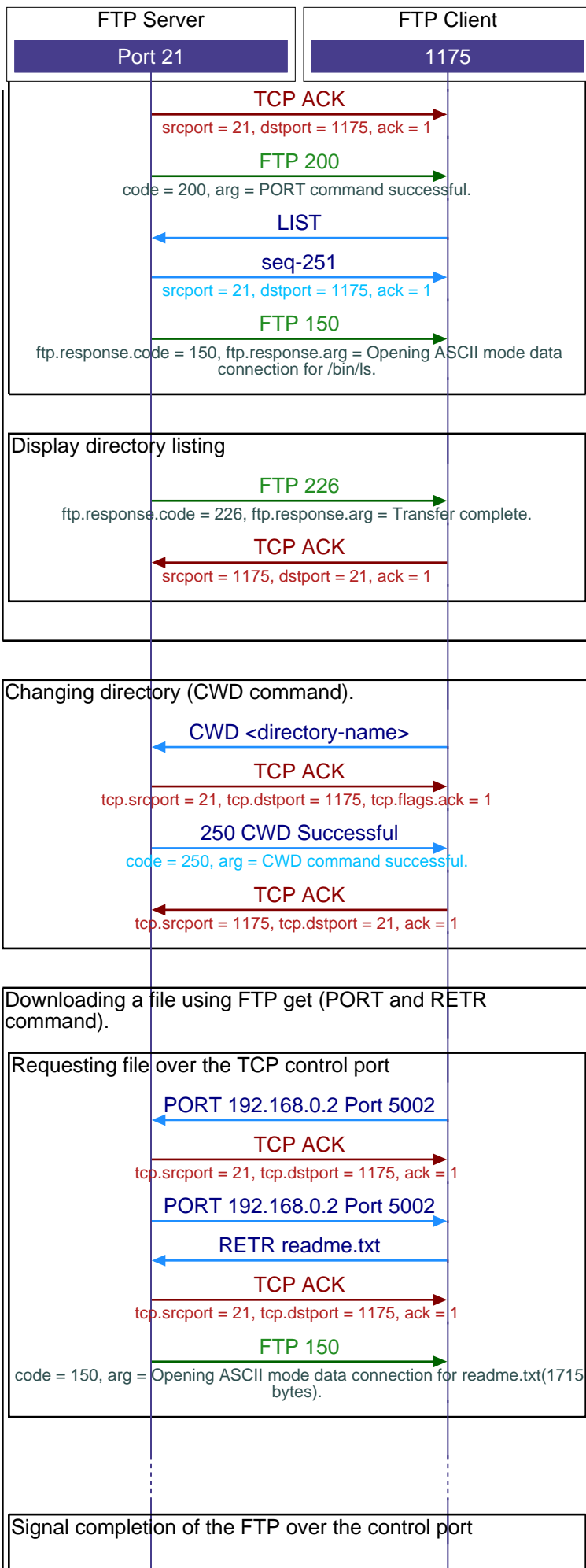
Welcome message after login.

User login notification.

Obtaining a directory listing (PORT and LIST command).



FTP client provides port number information.



FTP server positively acknowledges the PORT command.

User requests a directory listing.

FTP server notifies the client that it is about to transfer the requested listing.

The directory listing completion is signaled by this TCP segment.

User issues the change working directory command.

FTP server positively acknowledges the Change Working Directory command.

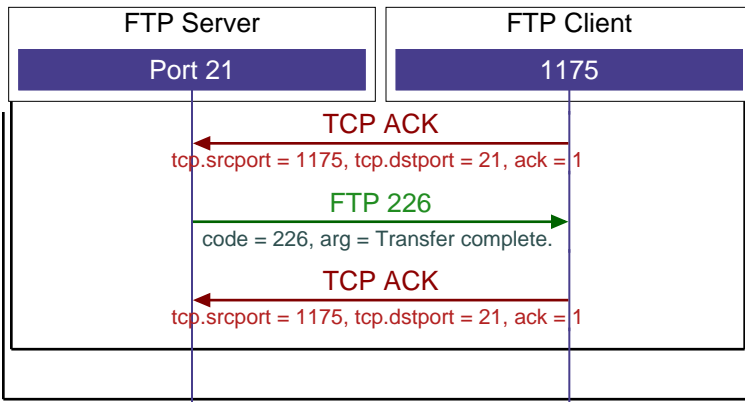
FTP client provides port number information.

FTP client provides port number information.

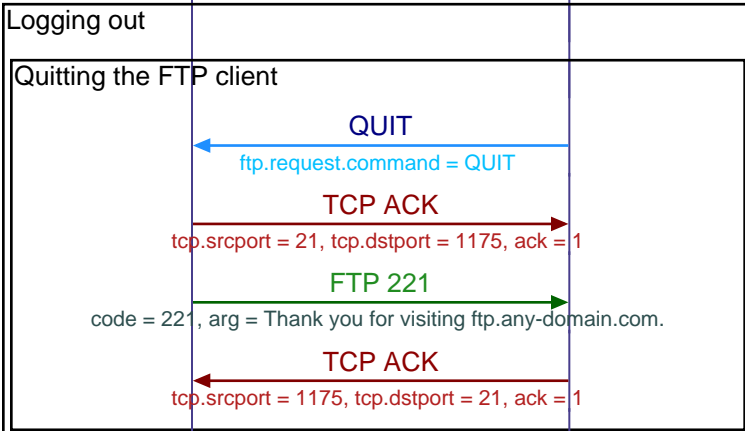
The user issues an FTP get for readme.txt.

FTP server acknowledges the RETR command from the client.

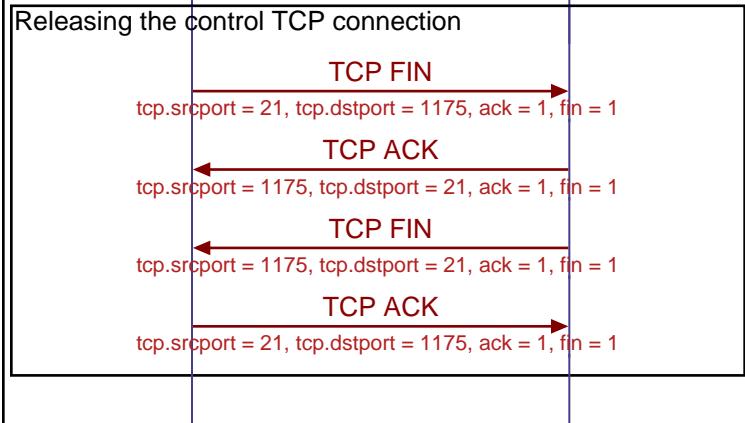
Signal completion of the FTP over the control port



Signal to the client that the FTP transfer has been completed.



User initiates a "bye" on the FTP client console. This is translated to the quit command.



Control TCP connection release initiated.

Control TCP connection release is completed.