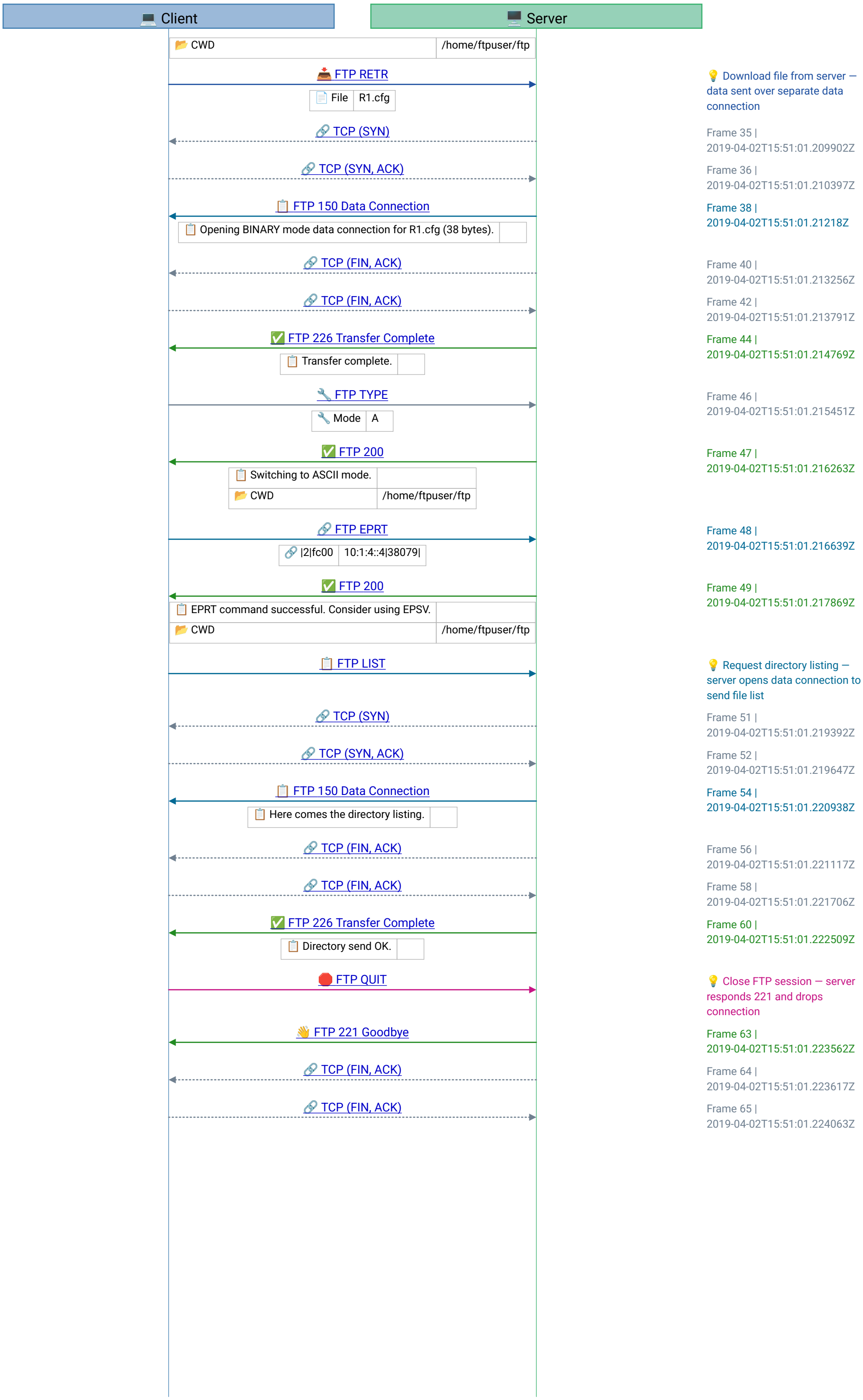
💻 Client	🖥️ Server	
📁 **ftp_act_get.pcapng**		
🔗 TCP (SYN) →		Frame 1 | 2019-04-02T15:51:01.177418Z
← 🔗 TCP (SYN, ACK)		Frame 2 | 2019-04-02T15:51:01.178134Z
← 🤝 FTP 220 Ready 🏷️ (vsFTPd 3.0.3)		💡 Server is ready — announces software version and capabilities
🤝 FTP FEAT →		Frame 6 | 2019-04-02T15:51:01.182429Z
← ✅ FTP 211 📋 Features: 📂 CWD		Frame 8 | 2019-04-02T15:51:01.183335Z
← ✅ FTP 211 📋 End 📂 CWD		Frame 16 | 2019-04-02T15:51:01.183833Z
🔒 FTP AUTH → 🔐 Method: TLS		💡 Upgrade to TLS/SSL encryption — all subsequent commands and data are protected
← 🚫 FTP 530 Error 📋 Please login with USER and PASS.		Frame 19 | 2019-04-02T15:51:01.18917Z
👤 FTP USER → 👤 Username: ftpuser		💡 FTP login step 1: client identifies itself
← 🔐 FTP 331 Need Password 📋 Please specify the password.		Frame 21 | 2019-04-02T15:51:01.190608Z
🔐 FTP PASS →		💡 FTP login step 2: password sent in cleartext (use FTPS for encryption)
← ✅ FTP 230 Logged In 📋 Login successful.		Frame 23 | 2019-04-02T15:51:01.200255Z
📂 FTP PWD →		💡 Print current working directory on the server
← ✅ FTP 257 📋 "/home/ftpuser/ftp" is the current directory 📂 CWD: /home/ftpuser/ftp		Frame 25 | 2019-04-02T15:51:01.202731Z
🔧 FTP TYPE → 🔧 Mode: I		Frame 26 | 2019-04-02T15:51:01.203226Z
← ✅ FTP 200 📋 Switching to Binary mode. 📂 CWD: /home/ftpuser/ftp		Frame 27 | 2019-04-02T15:51:01.203905Z
📂 FTP SIZE → 📋 R1.cfg		Frame 28 | 2019-04-02T15:51:01.204211Z
← ✅ FTP 213 📋 38 📂 CWD: /home/ftpuser/ftp		Frame 29 | 2019-04-02T15:51:01.204998Z
📂 FTP MDTM → 📋 R1.cfg		Frame 30 | 2019-04-02T15:51:01.205308Z
← ✅ FTP 213 📋 20190325101318 📂 CWD: /home/ftpuser/ftp		Frame 31 | 2019-04-02T15:51:01.206349Z
🔗 FTP EPRT → 🔗 |2|fc00: 10:1:4::4|50967|		Frame 32 | 2019-04-02T15:51:01.206816Z
← ✅ FTP 200 📋 EPRT command successful. Consider using EPSV.		Frame 33 | 2019-04-02T15:51:01.207891Z


Client
Server
CWD
/home/ftpuser/ftp
FTP RETR
File
R1.cfg
TCP (SYN)
TCP (SYN, ACK)
FTP 150 Data Connection
Opening BINARY mode data connection for R1.cfg (38 bytes).
TCP (FIN, ACK)
TCP (FIN, ACK)
FTP 226 Transfer Complete
Transfer complete.
FTP TYPE
Mode
A
FTP 200
Switching to ASCII mode.
CWD
/home/ftpuser/ftp
FTP EPRT
|2|fc00
10:1:4::4|38079|
FTP 200
EPRT command successful. Consider using EPSV.
CWD
/home/ftpuser/ftp
FTP LIST
TCP (SYN)
TCP (SYN, ACK)
FTP 150 Data Connection
Here comes the directory listing.
TCP (FIN, ACK)
TCP (FIN, ACK)
FTP 226 Transfer Complete
Directory send OK.
FTP QUIT
FTP 221 Goodbye
TCP (FIN, ACK)
TCP (FIN, ACK)
Download file from server — data sent over separate data connection
Frame 35 | 2019-04-02T15:51:01.209902Z
Frame 36 | 2019-04-02T15:51:01.210397Z
Frame 38 | 2019-04-02T15:51:01.21218Z
Frame 40 | 2019-04-02T15:51:01.213256Z
Frame 42 | 2019-04-02T15:51:01.213791Z
Frame 44 | 2019-04-02T15:51:01.214769Z
Frame 46 | 2019-04-02T15:51:01.215451Z
Frame 47 | 2019-04-02T15:51:01.216263Z
Frame 48 | 2019-04-02T15:51:01.216639Z
Frame 49 | 2019-04-02T15:51:01.217869Z
Request directory listing — server opens data connection to send file list
Frame 51 | 2019-04-02T15:51:01.219392Z
Frame 52 | 2019-04-02T15:51:01.219647Z
Frame 54 | 2019-04-02T15:51:01.220938Z
Frame 56 | 2019-04-02T15:51:01.221117Z
Frame 58 | 2019-04-02T15:51:01.221706Z
Frame 60 | 2019-04-02T15:51:01.222509Z
Close FTP session — server responds 221 and drops connection
Frame 63 | 2019-04-02T15:51:01.223562Z
Frame 64 | 2019-04-02T15:51:01.223617Z
Frame 65 | 2019-04-02T15:51:01.224063Z