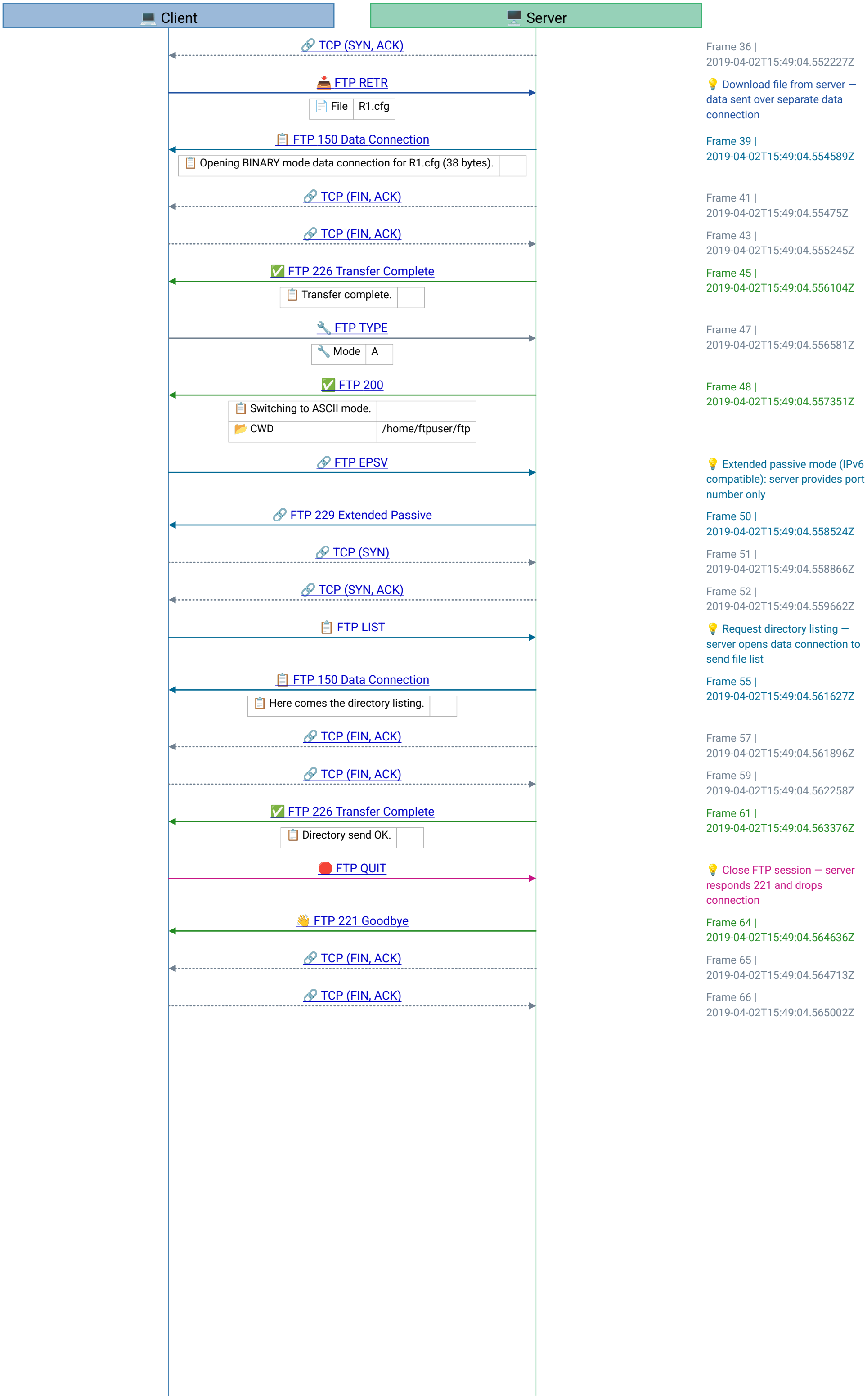
💻 Client	🖥️ Server	
📁 **ftp_pas_get.pcapng**		
🔗 TCP (SYN) →		Frame 1 | 2019-04-02T15:49:04.519412Z
← 🔗 TCP (SYN, ACK)		Frame 2 | 2019-04-02T15:49:04.520337Z
← 🤝 FTP 220 Ready 🏷️ (vsFTPd 3.0.3)		💡 Server is ready — announces software version and capabilities
🤝 FTP FEAT →		Frame 6 | 2019-04-02T15:49:04.524936Z
← ✅ FTP 211 📋 Features: 📂 CWD		Frame 8 | 2019-04-02T15:49:04.526307Z
← ✅ FTP 211 📋 End 📂 CWD		Frame 17 | 2019-04-02T15:49:04.527054Z
🔒 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 20 | 2019-04-02T15:49:04.532848Z
👤 FTP USER → 👤 Username: ftpuser		💡 FTP login step 1: client identifies itself
← 🔐 FTP 331 Need Password 📋 Please specify the password.		Frame 22 | 2019-04-02T15:49:04.534095Z
🔐 FTP PASS →		💡 FTP login step 2: password sent in cleartext (use FTPS for encryption)
← ✅ FTP 230 Logged In 📋 Login successful.		Frame 24 | 2019-04-02T15:49:04.543418Z
📂 FTP PWD →		💡 Print current working directory on the server
← ✅ FTP 257 📋 "/home/ftpuser/ftp" is the current directory 📂 CWD: /home/ftpuser/ftp		Frame 26 | 2019-04-02T15:49:04.545064Z
🔧 FTP TYPE → 🔧 Mode: I		Frame 27 | 2019-04-02T15:49:04.545449Z
← ✅ FTP 200 📋 Switching to Binary mode. 📂 CWD: /home/ftpuser/ftp		Frame 28 | 2019-04-02T15:49:04.546084Z
📂 FTP SIZE → 📋 R1.cfg		Frame 29 | 2019-04-02T15:49:04.546373Z
← ✅ FTP 213 📋 38 📂 CWD: /home/ftpuser/ftp		Frame 30 | 2019-04-02T15:49:04.54808Z
📂 FTP MDTM → 📋 R1.cfg		Frame 31 | 2019-04-02T15:49:04.54847Z
← ✅ FTP 213 📋 20190325101318 📂 CWD: /home/ftpuser/ftp		Frame 32 | 2019-04-02T15:49:04.549247Z
🔗 FTP EPSV →		💡 Extended passive mode (IPv6 compatible): server provides port number only
← 🔗 FTP 229 Extended Passive		Frame 34 | 2019-04-02T15:49:04.5506Z
🔗 TCP (SYN) →		Frame 35 | 2019-04-02T15:49:04.551144Z


Client
Server
TCP (SYN, ACK)
Frame 36 | 2019-04-02T15:49:04.552227Z
FTP RETR
File R1.cfg
Download file from server — data sent over separate data connection
FTP 150 Data Connection
Opening BINARY mode data connection for R1.cfg (38 bytes).
Frame 39 | 2019-04-02T15:49:04.554589Z
TCP (FIN, ACK)
Frame 41 | 2019-04-02T15:49:04.55475Z
TCP (FIN, ACK)
Frame 43 | 2019-04-02T15:49:04.555245Z
FTP 226 Transfer Complete
Transfer complete.
Frame 45 | 2019-04-02T15:49:04.556104Z
FTP TYPE
Mode A
Frame 47 | 2019-04-02T15:49:04.556581Z
FTP 200
Switching to ASCII mode.
CWD /home/ftpuser/ftp
Frame 48 | 2019-04-02T15:49:04.557351Z
FTP EPSV
Extended passive mode (IPv6 compatible): server provides port number only
FTP 229 Extended Passive
Frame 50 | 2019-04-02T15:49:04.558524Z
TCP (SYN)
Frame 51 | 2019-04-02T15:49:04.558866Z
TCP (SYN, ACK)
Frame 52 | 2019-04-02T15:49:04.559662Z
FTP LIST
Request directory listing — server opens data connection to send file list
FTP 150 Data Connection
Here comes the directory listing.
Frame 55 | 2019-04-02T15:49:04.561627Z
TCP (FIN, ACK)
Frame 57 | 2019-04-02T15:49:04.561896Z
TCP (FIN, ACK)
Frame 59 | 2019-04-02T15:49:04.562258Z
FTP 226 Transfer Complete
Directory send OK.
Frame 61 | 2019-04-02T15:49:04.563376Z
FTP QUIT
Close FTP session — server responds 221 and drops connection
FTP 221 Goodbye
Frame 64 | 2019-04-02T15:49:04.564636Z
TCP (FIN, ACK)
Frame 65 | 2019-04-02T15:49:04.564713Z
TCP (FIN, ACK)
Frame 66 | 2019-04-02T15:49:04.565002Z