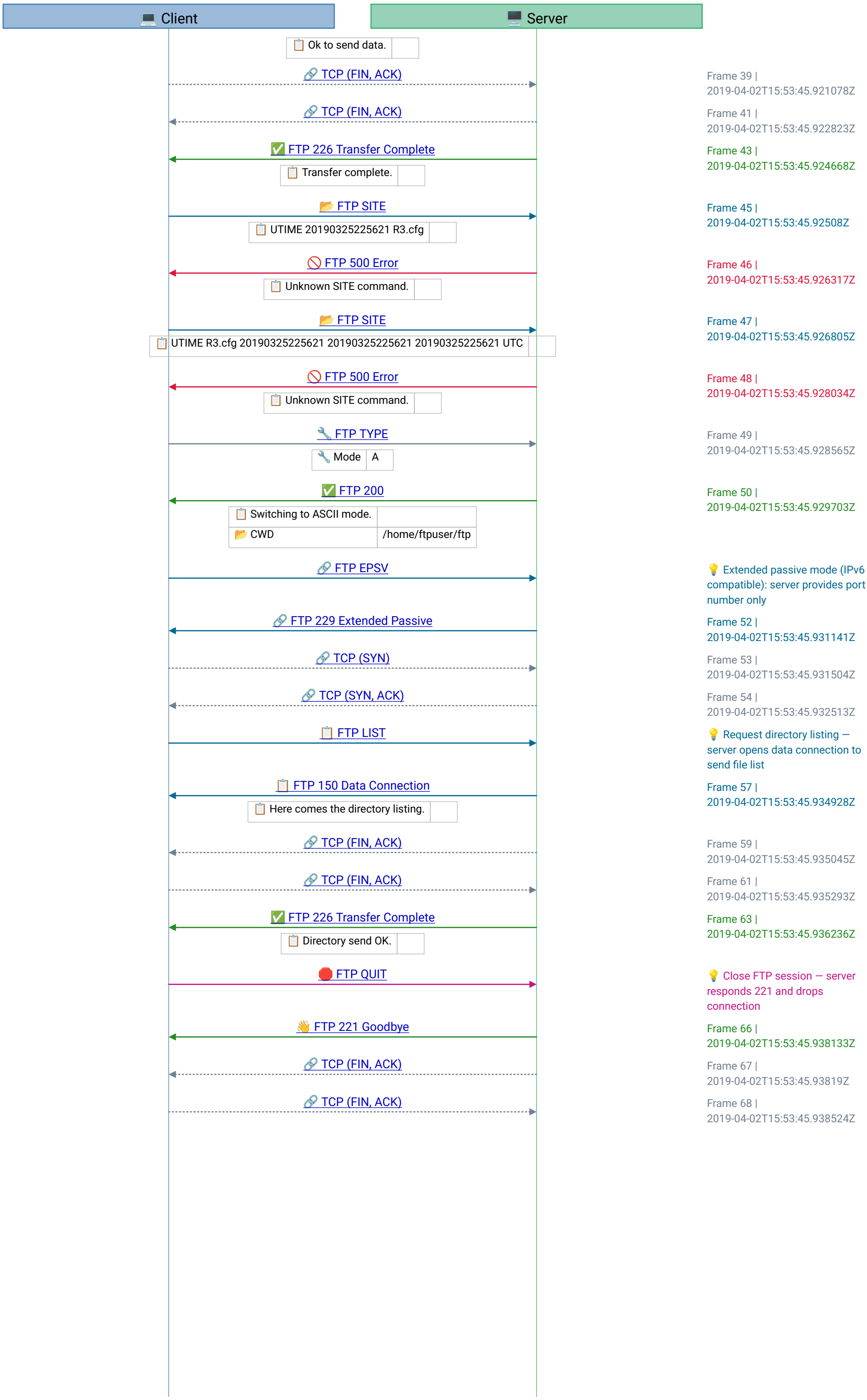
💻 Client	🖥️ Server	
📁 **ftp_pas_put.pcapng**		
🔗 TCP (SYN) →		Frame 1 | 2019-04-02T15:53:45.888555Z
← 🔗 TCP (SYN, ACK)		Frame 2 | 2019-04-02T15:53:45.889595Z
← 🤝 FTP 220 Ready		💡 Server is ready — announces software version and capabilities
	🏷️ (vsFTPd 3.0.3)	
🤝 FTP FEAT →		Frame 6 | 2019-04-02T15:53:45.893706Z
← ✅ FTP 211		Frame 8 | 2019-04-02T15:53:45.894728Z
	📋 Features:	
	📂 CWD	
← ✅ FTP 211		Frame 17 | 2019-04-02T15:53:45.895393Z
	📋 End	
	📂 CWD	
🔒 FTP AUTH →		💡 Upgrade to TLS/SSL encryption — all subsequent commands and data are protected
	🔐 Method: TLS	
← 🚫 FTP 530 Error		Frame 20 | 2019-04-02T15:53:45.901352Z
	📋 Please login with USER and PASS.	
👤 FTP USER →		💡 FTP login step 1: client identifies itself
	👤 Username: ftpuser	
← 🔐 FTP 331 Need Password		Frame 22 | 2019-04-02T15:53:45.902825Z
	📋 Please specify the password.	
🔐 FTP PASS →		💡 FTP login step 2: password sent in cleartext (use FTPS for encryption)
← ✅ FTP 230 Logged In		Frame 24 | 2019-04-02T15:53:45.911899Z
	📋 Login successful.	
📂 FTP PWD →		💡 Print current working directory on the server
← ✅ FTP 257		Frame 26 | 2019-04-02T15:53:45.913118Z
	📋 "/home/ftpuser/ftp" is the current directory	
	📂 CWD: /home/ftpuser/ftp	
🔧 FTP TYPE →		Frame 27 | 2019-04-02T15:53:45.913653Z
	🔧 Mode: I	
← ✅ FTP 200		Frame 28 | 2019-04-02T15:53:45.914439Z
	📋 Switching to Binary mode.	
	📂 CWD: /home/ftpuser/ftp	
🔗 FTP EPSV →		💡 Extended passive mode (IPv6 compatible): server provides port number only
← 🔗 FTP 229 Extended Passive		Frame 30 | 2019-04-02T15:53:45.915463Z
🔗 TCP (SYN) →		Frame 31 | 2019-04-02T15:53:45.916009Z
← 🔗 TCP (SYN, ACK)		Frame 32 | 2019-04-02T15:53:45.917122Z
📂 FTP ALLO →		Frame 34 | 2019-04-02T15:53:45.917541Z
	📋 48	
← ✅ FTP 202		Frame 35 | 2019-04-02T15:53:45.918596Z
	📋 ALLO command ignored.	
	📂 CWD: /home/ftpuser/ftp	
📤 FTP STOR →		💡 Upload file to server — data sent over separate data connection
	📄 File: R3.cfg	
← 📋 FTP 150 Data Connection		Frame 37 | 2019-04-02T15:53:45.920594Z


Client
Server
Ok to send data.
TCP (FIN, ACK)
Frame 39 | 2019-04-02T15:53:45.921078Z
TCP (FIN, ACK)
Frame 41 | 2019-04-02T15:53:45.922823Z
FTP 226 Transfer Complete
Transfer complete.
Frame 43 | 2019-04-02T15:53:45.924668Z
FTP SITE
UTIME 20190325225621 R3.cfg
Frame 45 | 2019-04-02T15:53:45.92508Z
FTP 500 Error
Unknown SITE command.
Frame 46 | 2019-04-02T15:53:45.926317Z
FTP SITE
UTIME R3.cfg 20190325225621 20190325225621 20190325225621 UTC
Frame 47 | 2019-04-02T15:53:45.926805Z
FTP 500 Error
Unknown SITE command.
Frame 48 | 2019-04-02T15:53:45.928034Z
FTP TYPE
Mode A
Frame 49 | 2019-04-02T15:53:45.928565Z
FTP 200
Switching to ASCII mode.
CWD /home/ftpuser/ftp
Frame 50 | 2019-04-02T15:53:45.929703Z
FTP EPSV
Extended passive mode (IPv6 compatible): server provides port number only
FTP 229 Extended Passive
Frame 52 | 2019-04-02T15:53:45.931141Z
TCP (SYN)
Frame 53 | 2019-04-02T15:53:45.931504Z
TCP (SYN, ACK)
Frame 54 | 2019-04-02T15:53:45.932513Z
FTP LIST
Request directory listing — server opens data connection to send file list
FTP 150 Data Connection
Here comes the directory listing.
Frame 57 | 2019-04-02T15:53:45.934928Z
TCP (FIN, ACK)
Frame 59 | 2019-04-02T15:53:45.935045Z
TCP (FIN, ACK)
Frame 61 | 2019-04-02T15:53:45.935293Z
FTP 226 Transfer Complete
Directory send OK.
Frame 63 | 2019-04-02T15:53:45.936236Z
FTP QUIT
Close FTP session — server responds 221 and drops connection
FTP 221 Goodbye
Frame 66 | 2019-04-02T15:53:45.938133Z
TCP (FIN, ACK)
Frame 67 | 2019-04-02T15:53:45.93819Z
TCP (FIN, ACK)
Frame 68 | 2019-04-02T15:53:45.938524Z