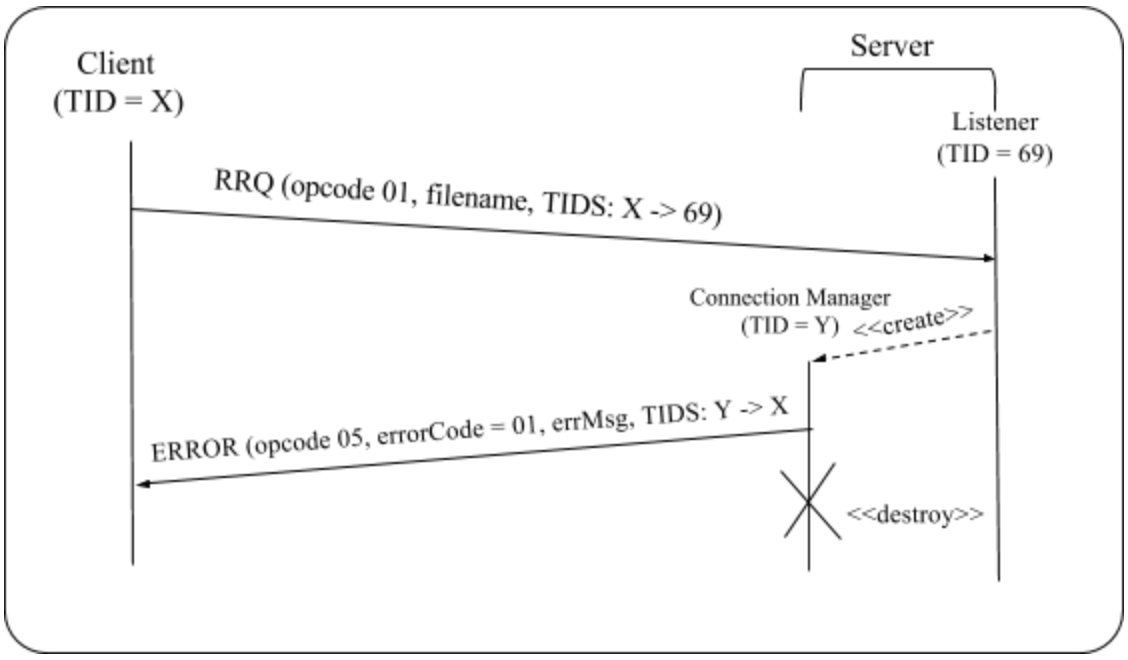
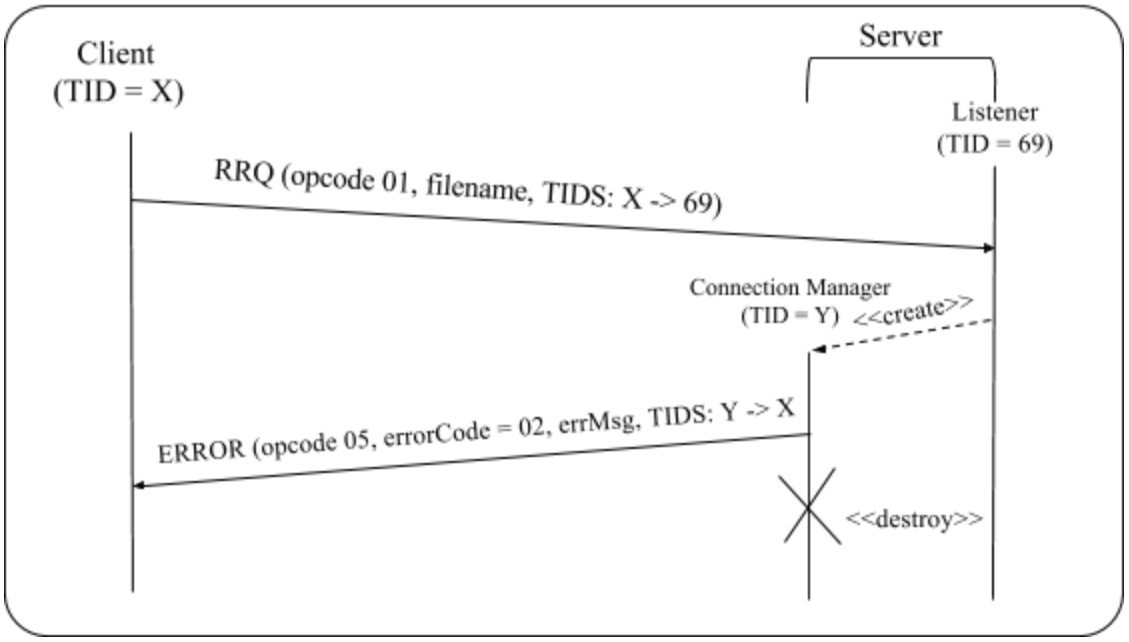
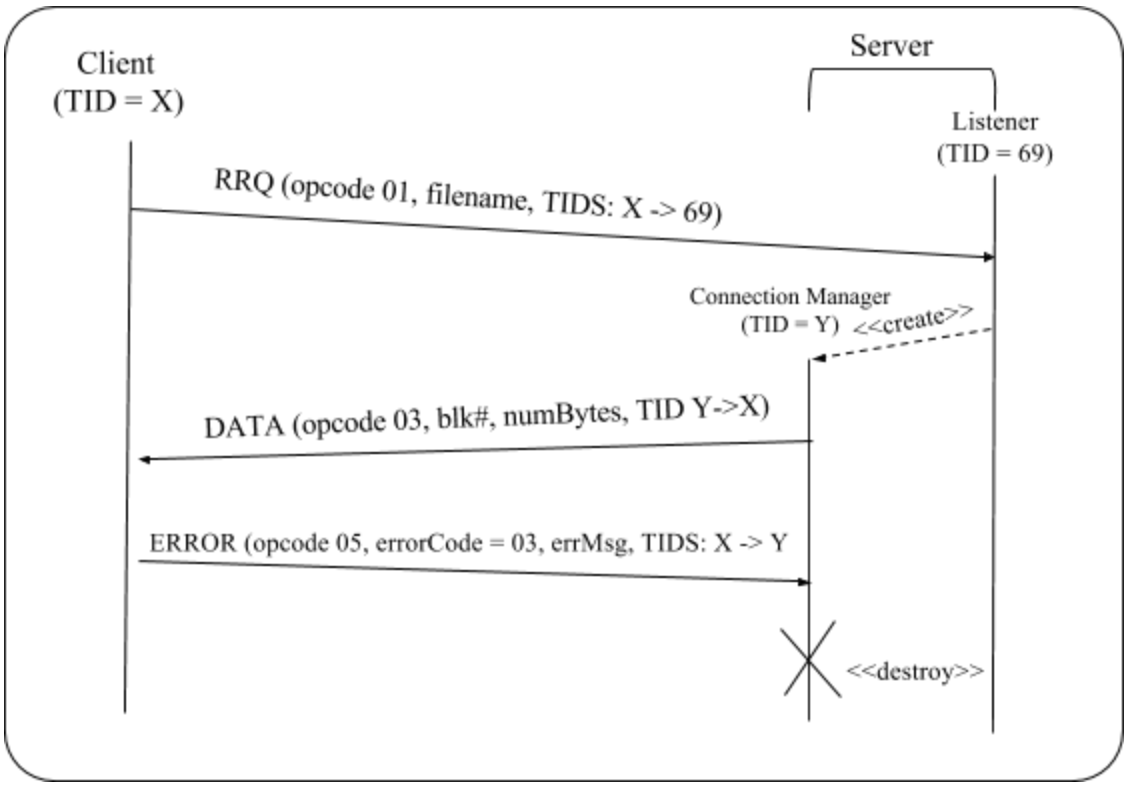
Timing Diagram, Error 1 - File Not Found



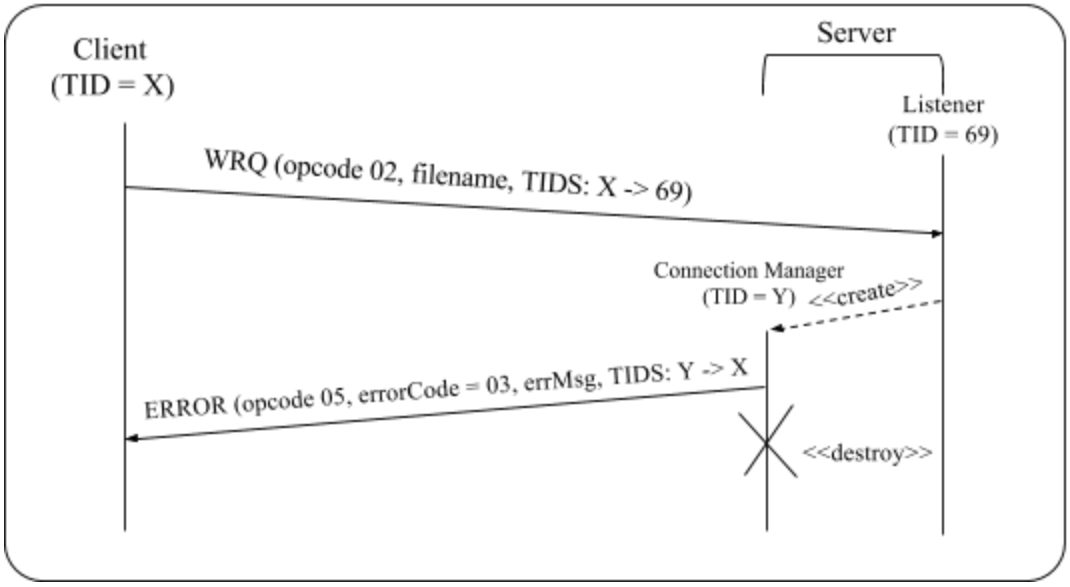
Timing Diagram, Error 2 - Access Violation



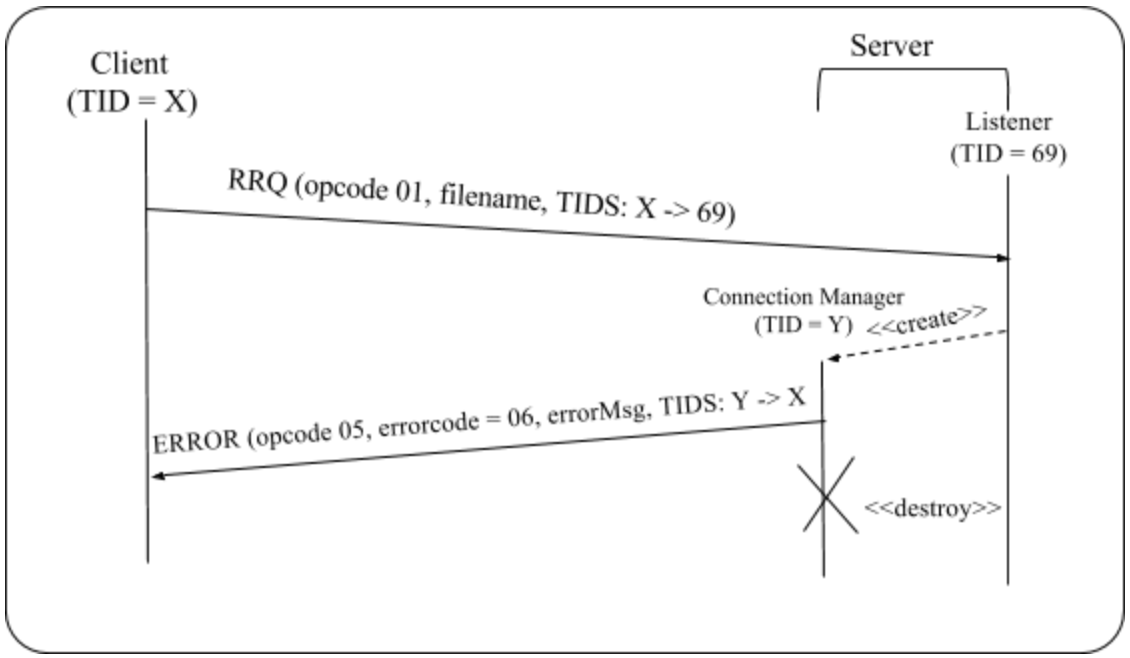
Timing Diagram, Error 3 - Disk Full, Case 1



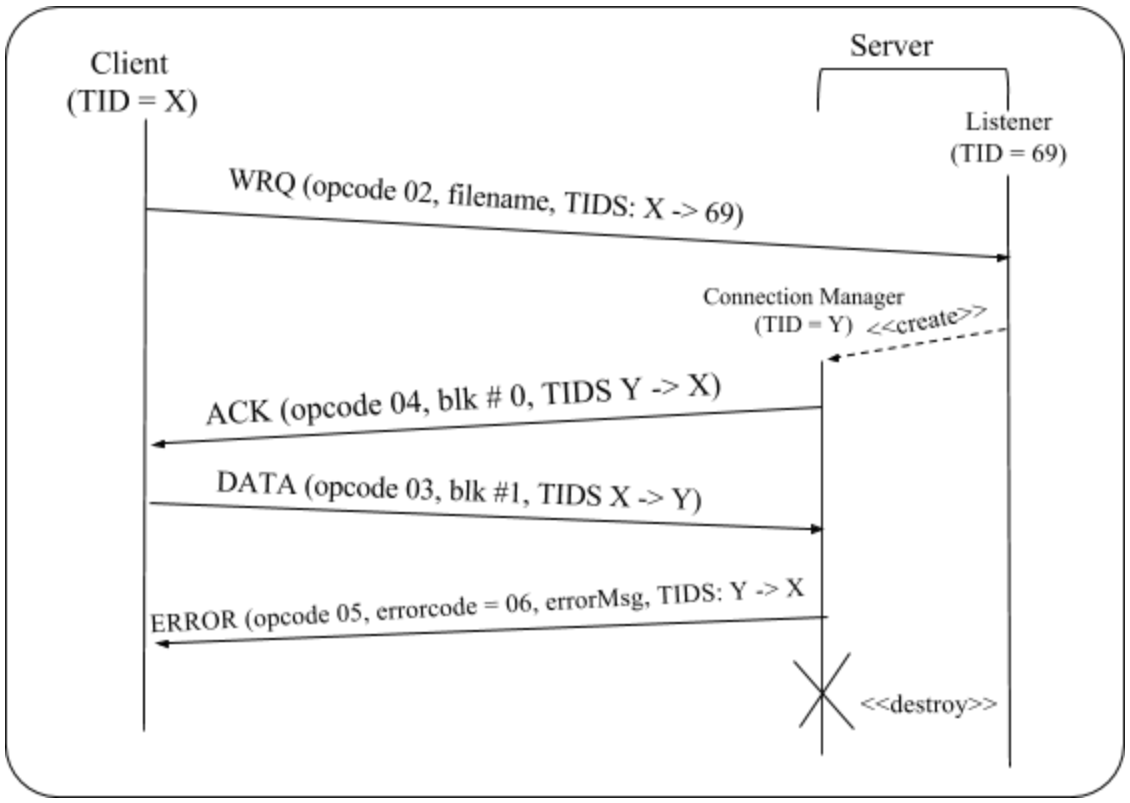
Timing Diagram, Error 3 - Disk Full, Case 2



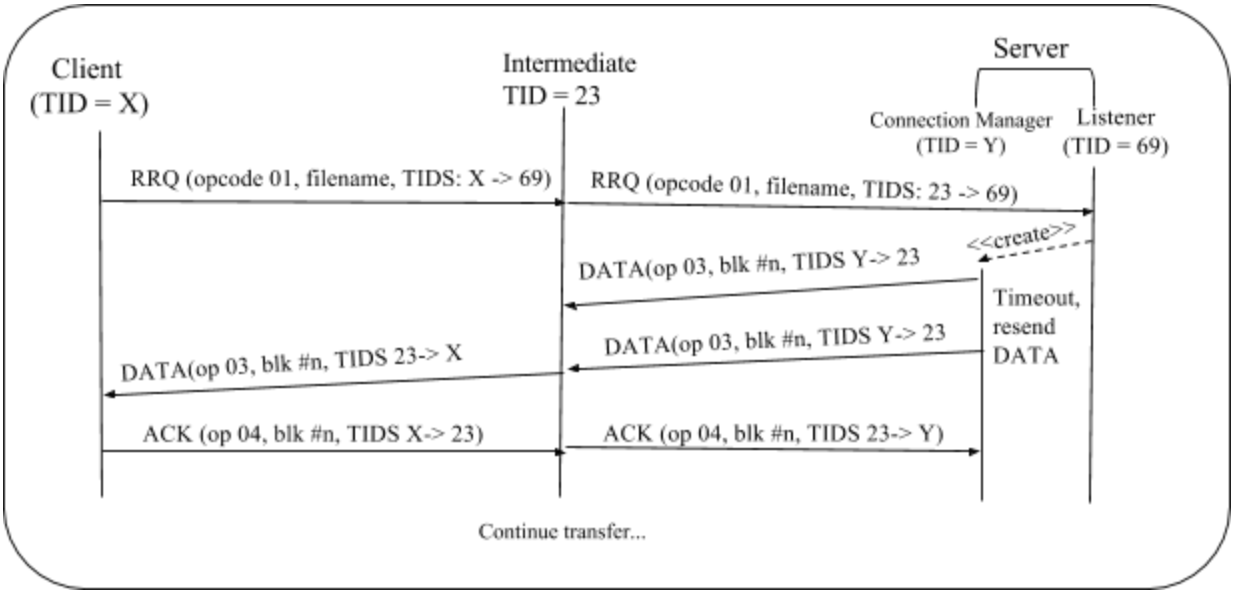
Timing Diagram, Error 6 - File Already Exists, RRQ



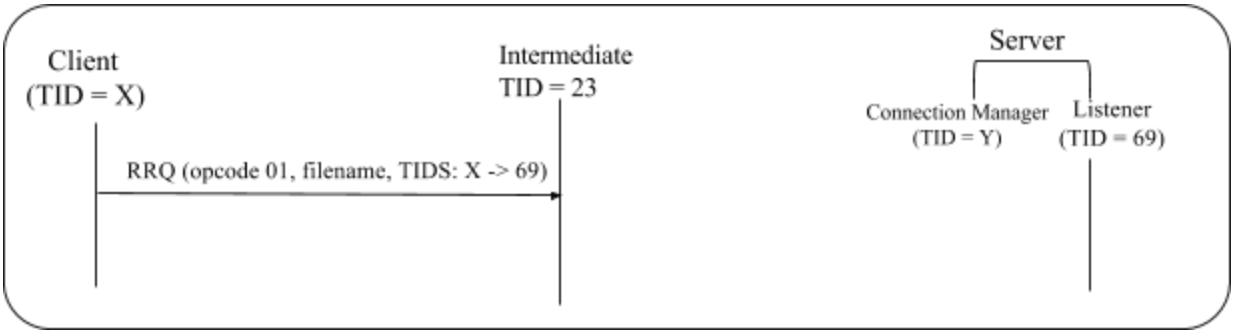
Timing Diagram, Error 6 - File Already Exists,WRQ



Timing Diagram, Lost request

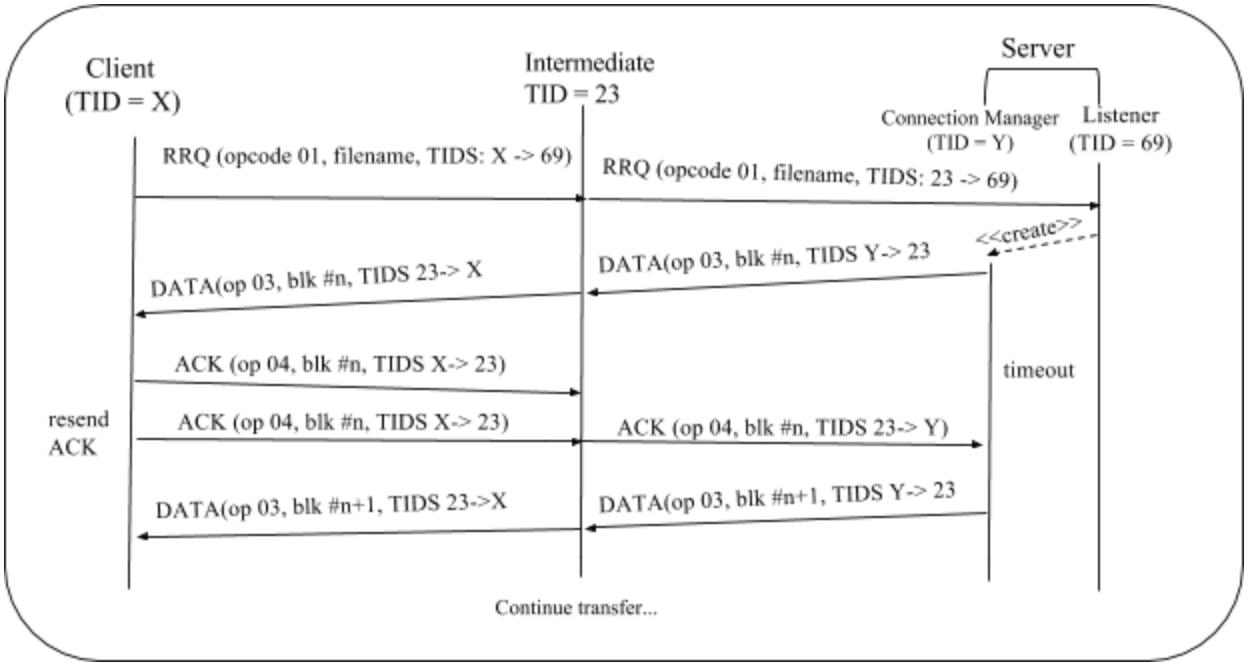


Timing Diagram, RRQ, Lose DATA Packet

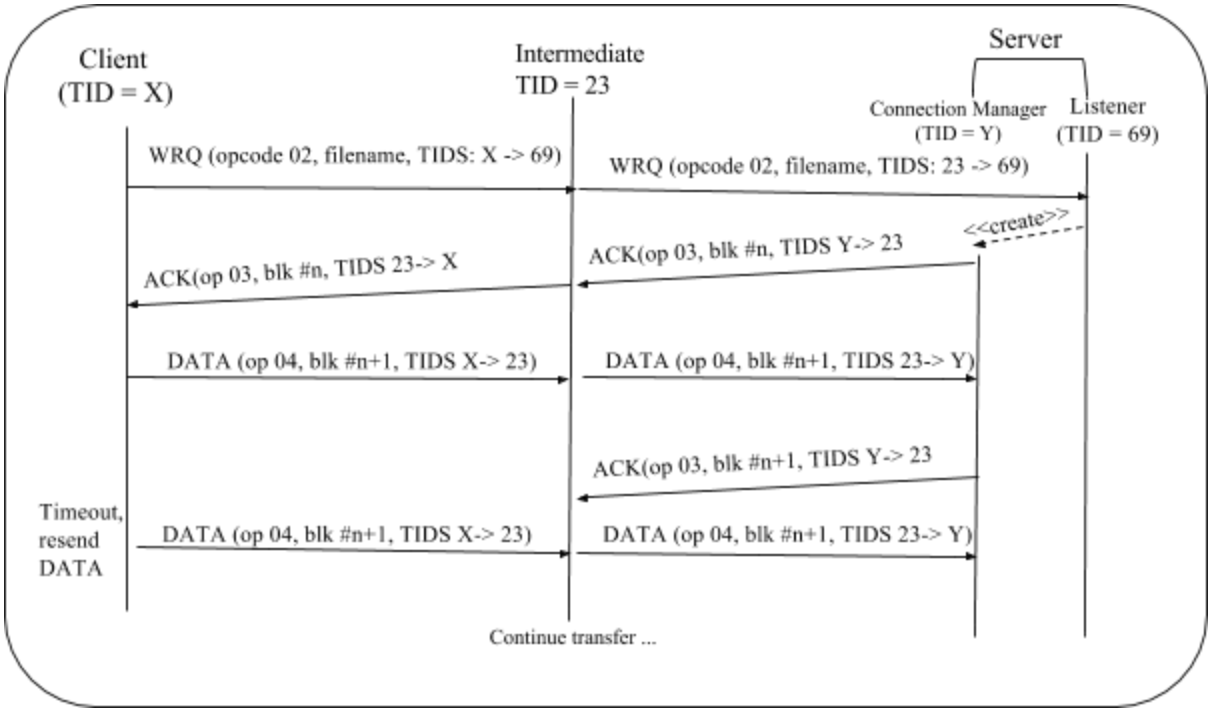


** client will timeout and re prompt user for a new request (same for WRQ)

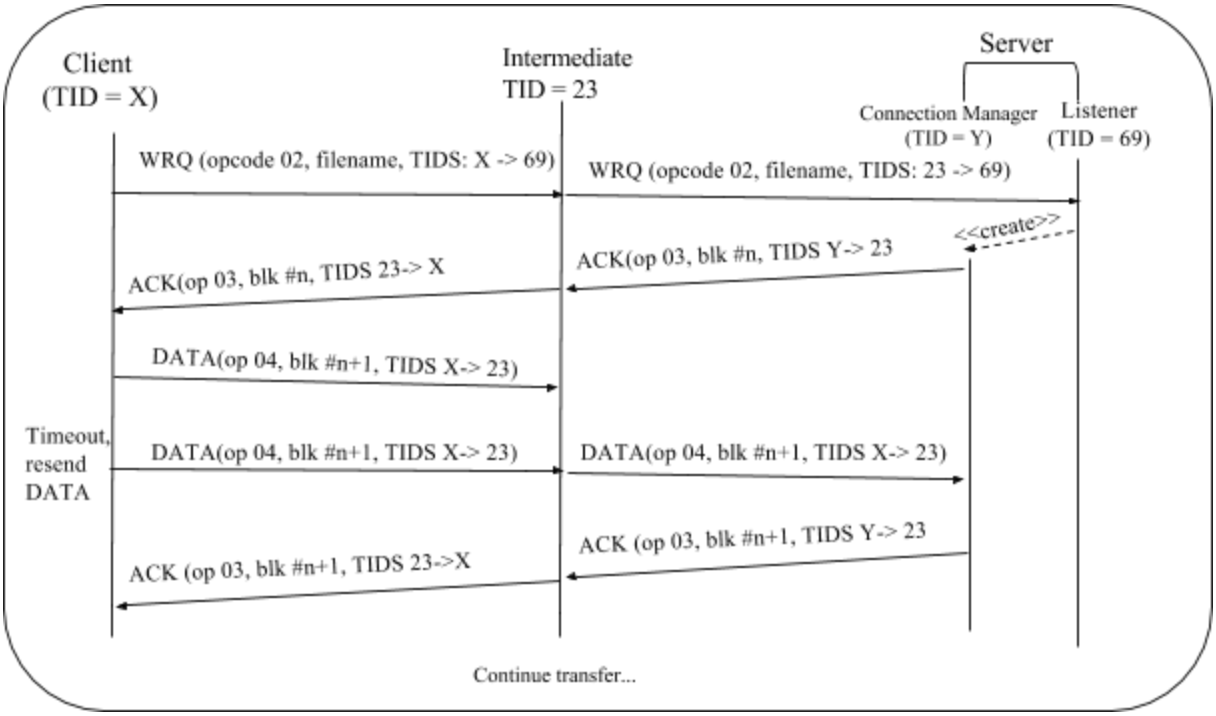
Timing Diagram, RRQ, Lose ACK Packet



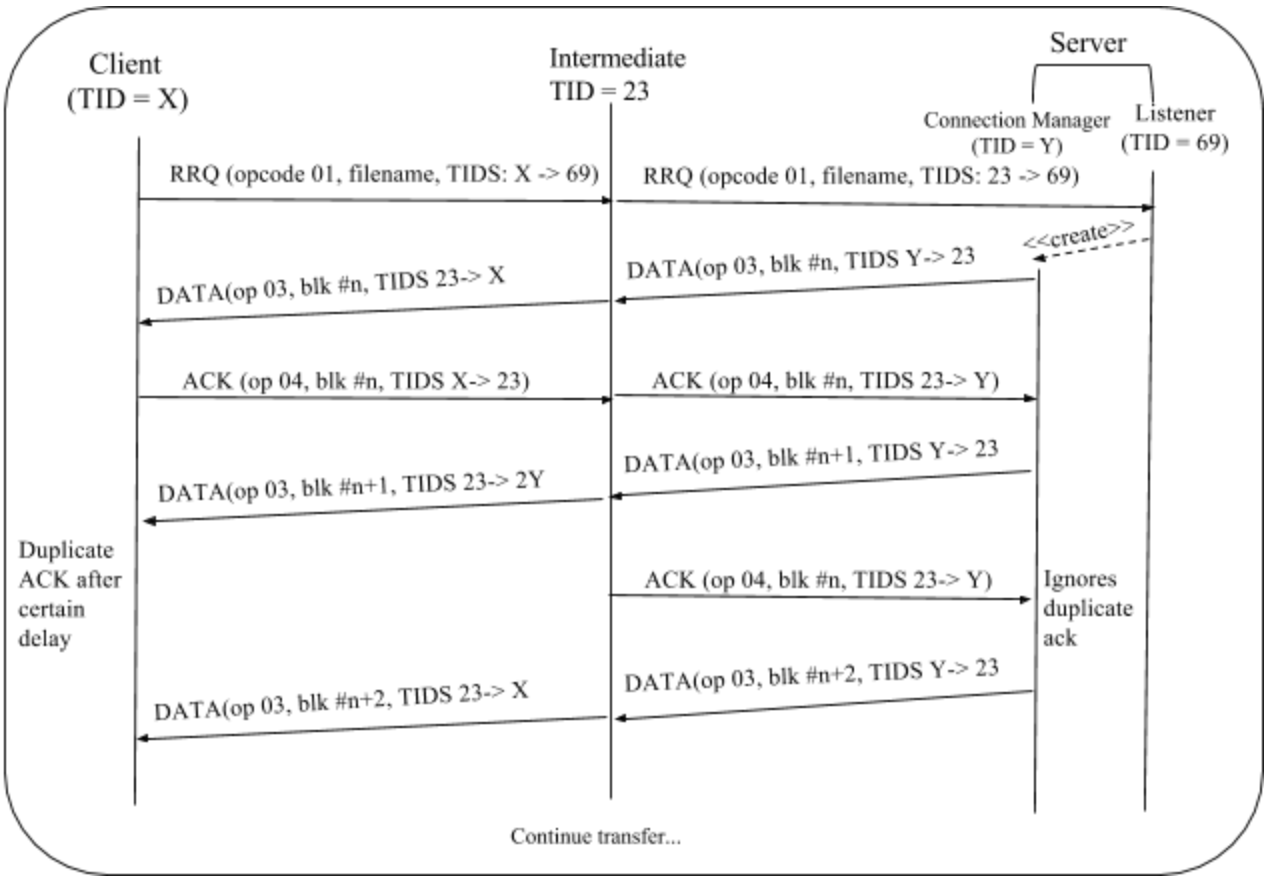
Timing Diagram, WRQ, Lose ACK Packet



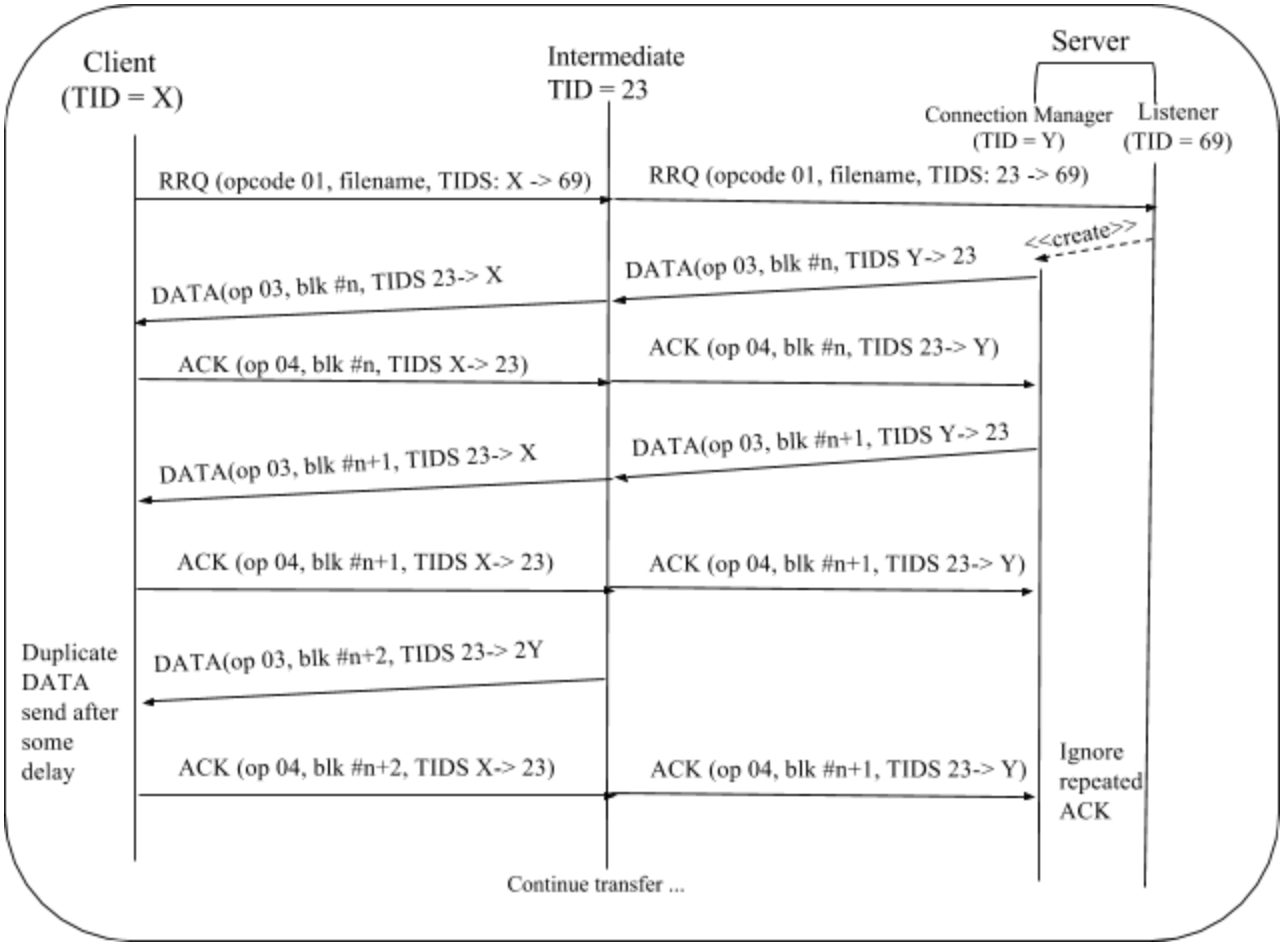
Timing Diagram, WRQ, Lose DATA Packet



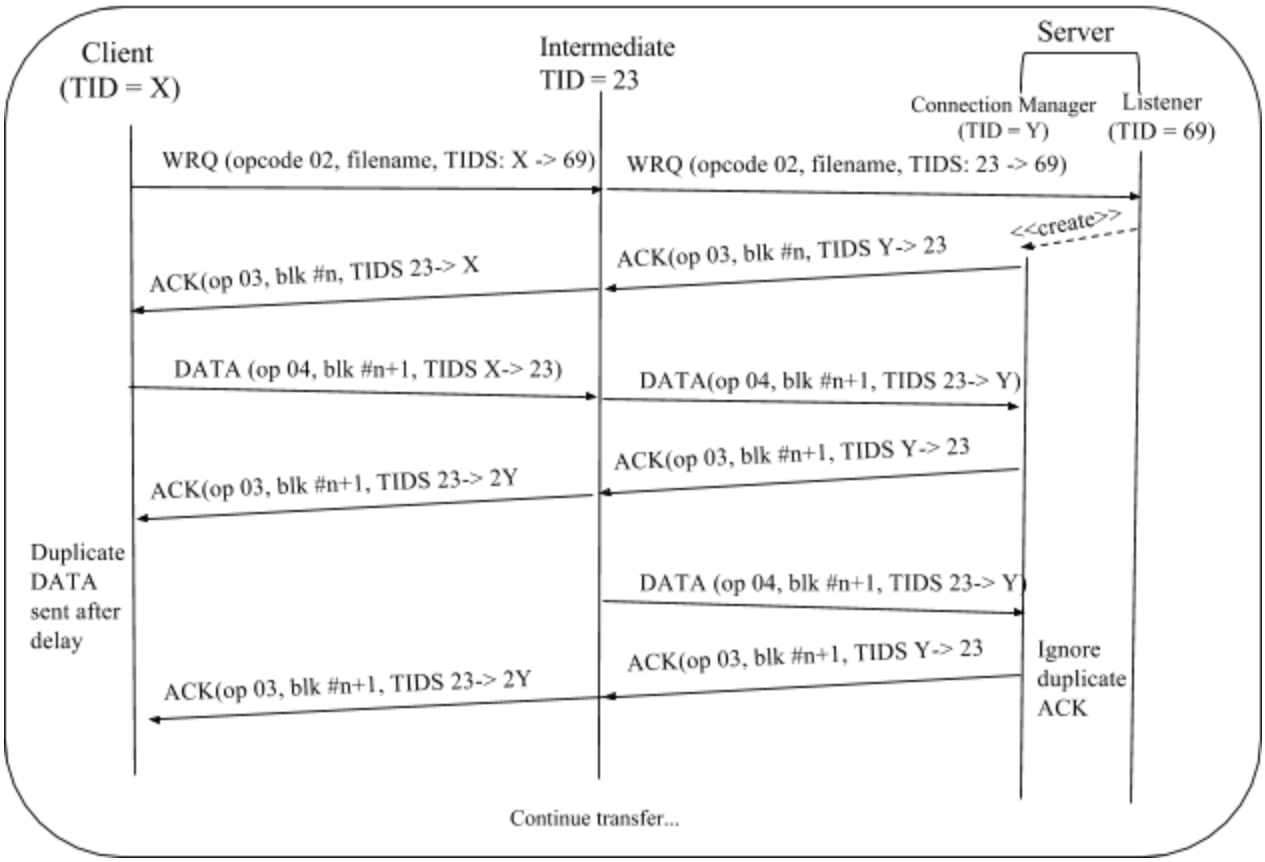
Timing Diagram, RRQ, Duplicate ACK Packet



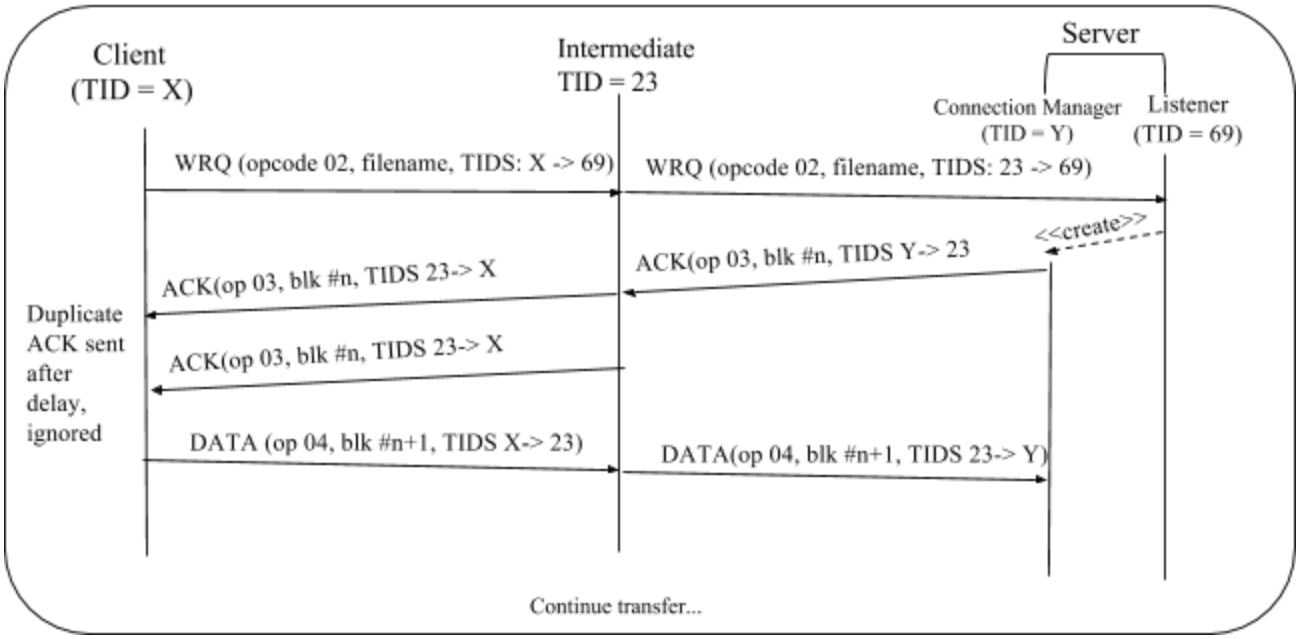
Timing Diagram, RRQ, Duplicate DATA Packet



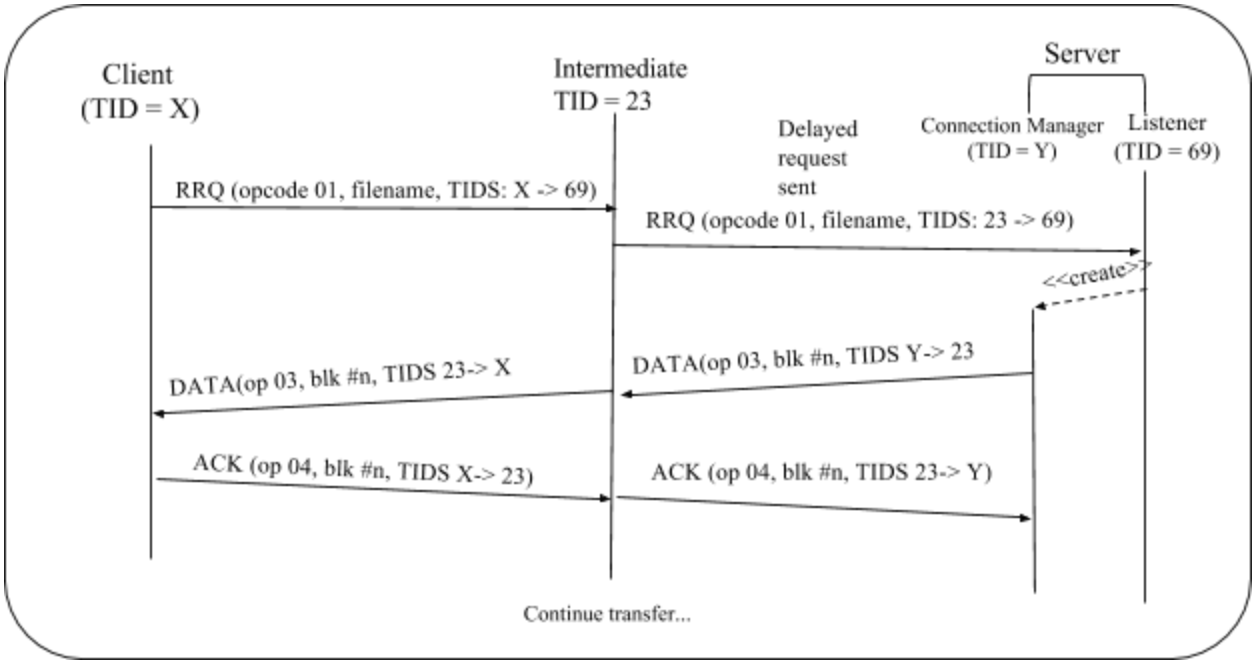
Timing Diagram, WRQ, Duplicate DATA Packet



Timing Diagram, WRQ, Duplicate ACK

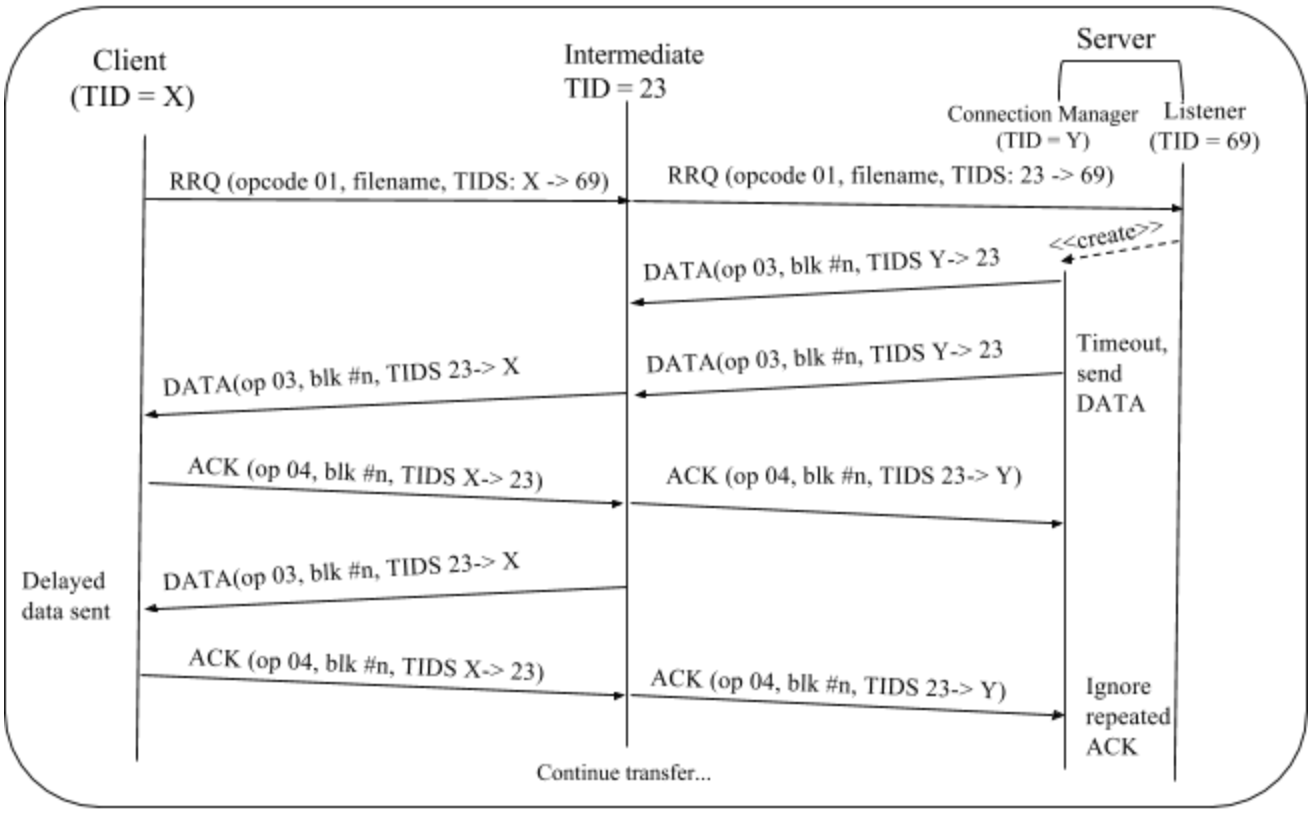


Timing Diagram, Delay Request

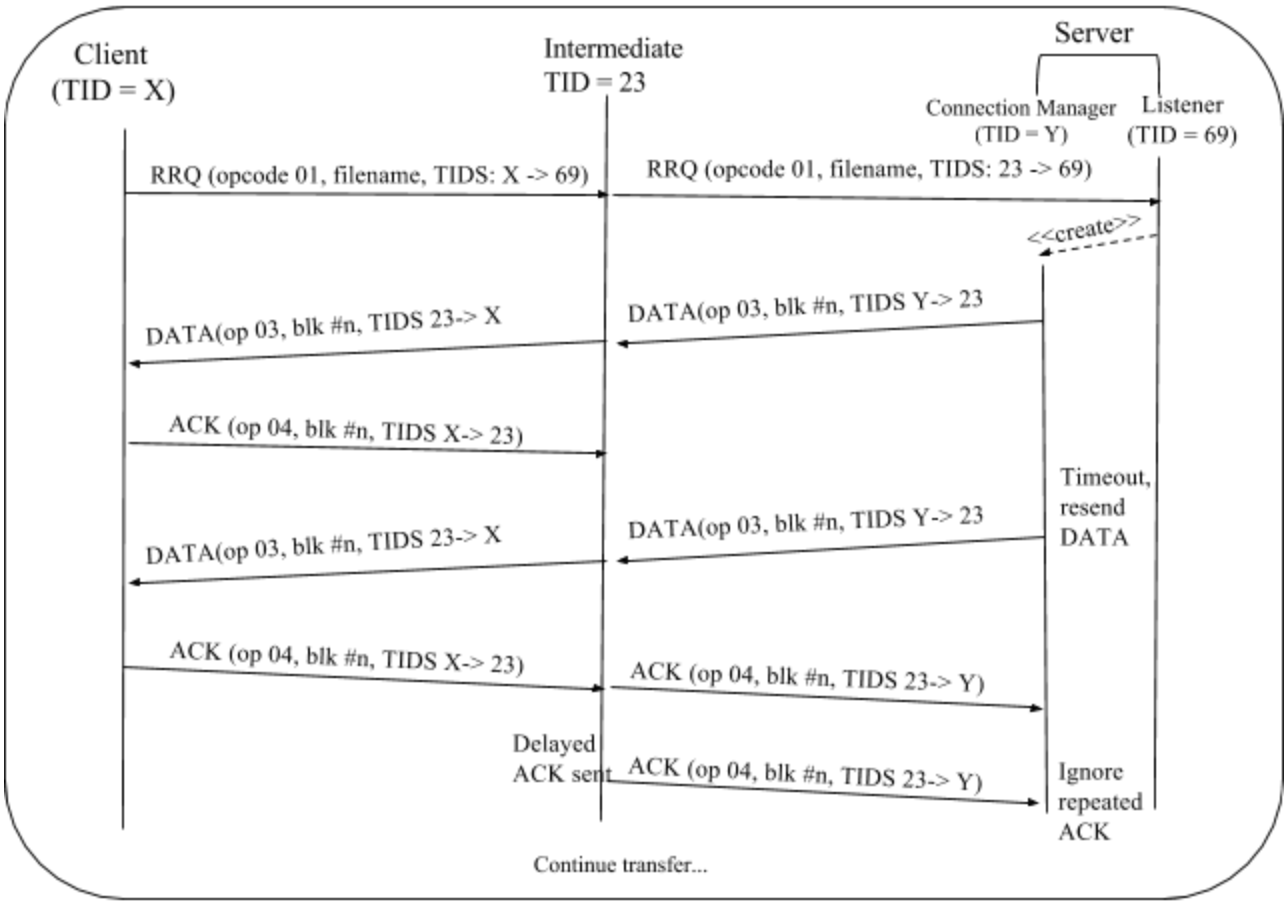


** if client times out, client will reprompt the user for a new request (same for WRQ)

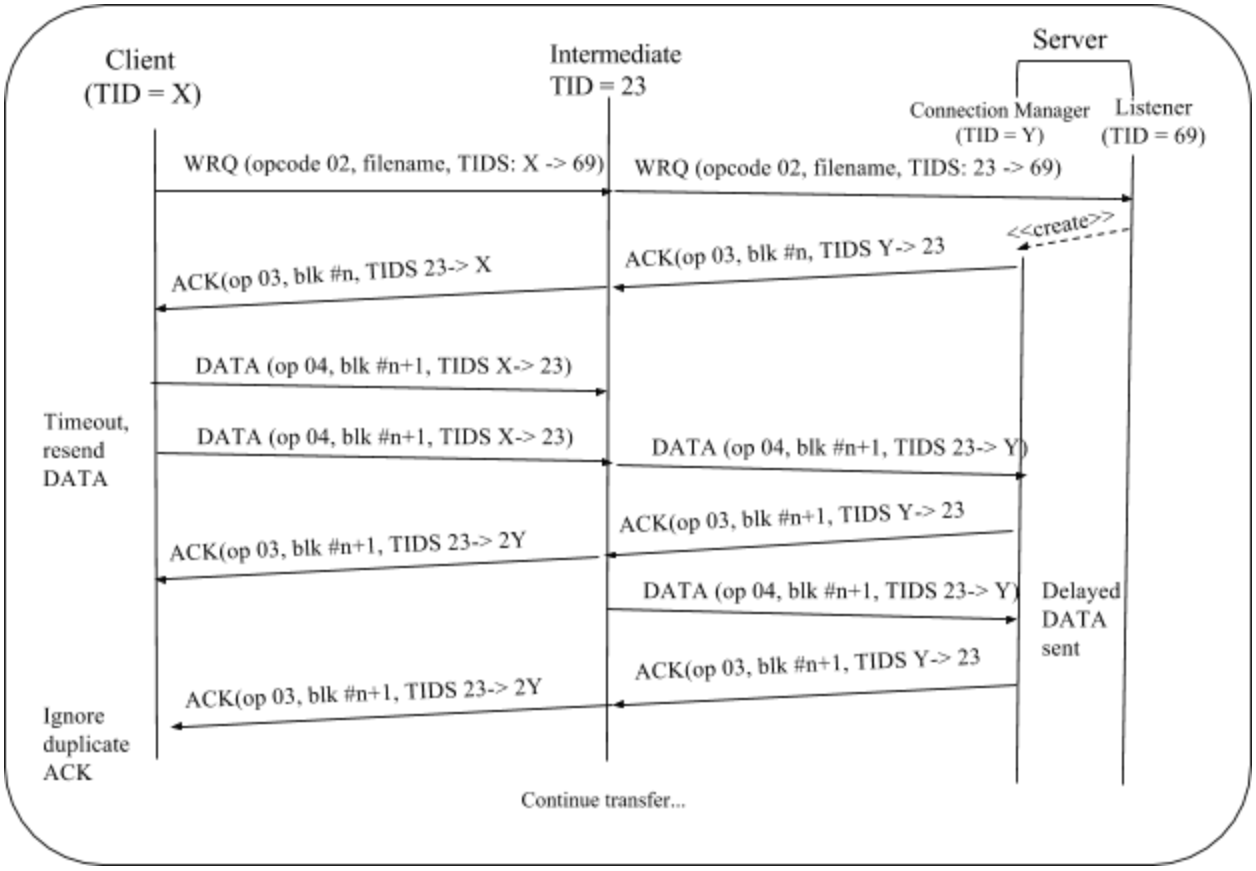
Timing Diagram, RRQ, Delay DATA



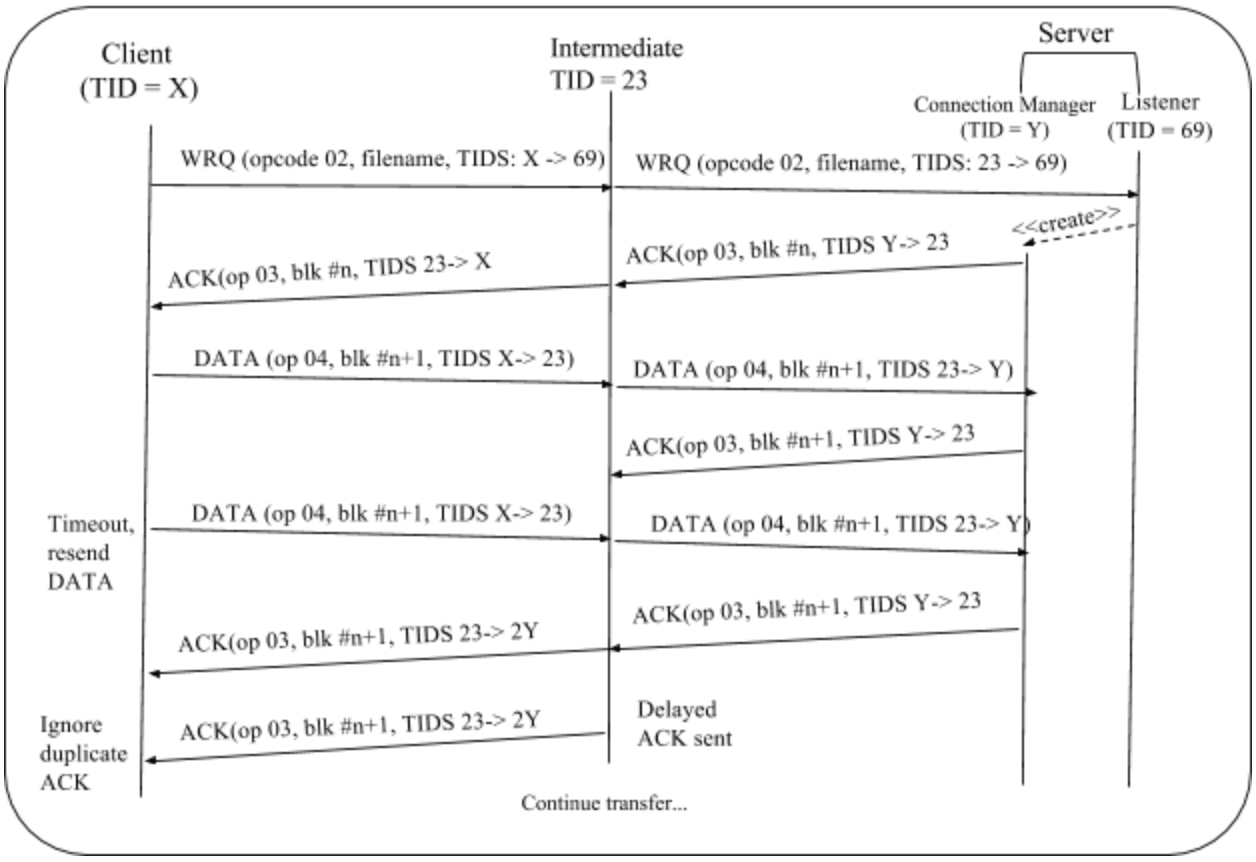
Timing Diagram, RRQ, Delay ACK



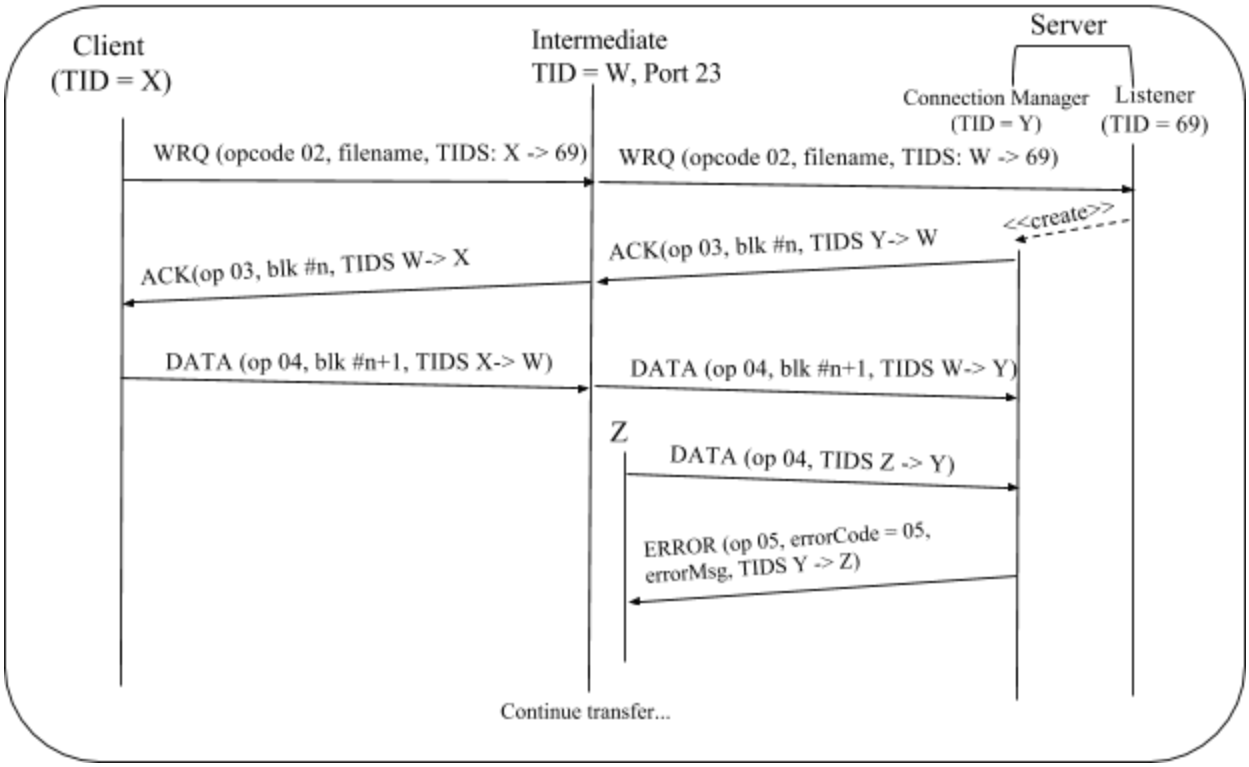
Timing Diagram, WRQ, Delay DATA



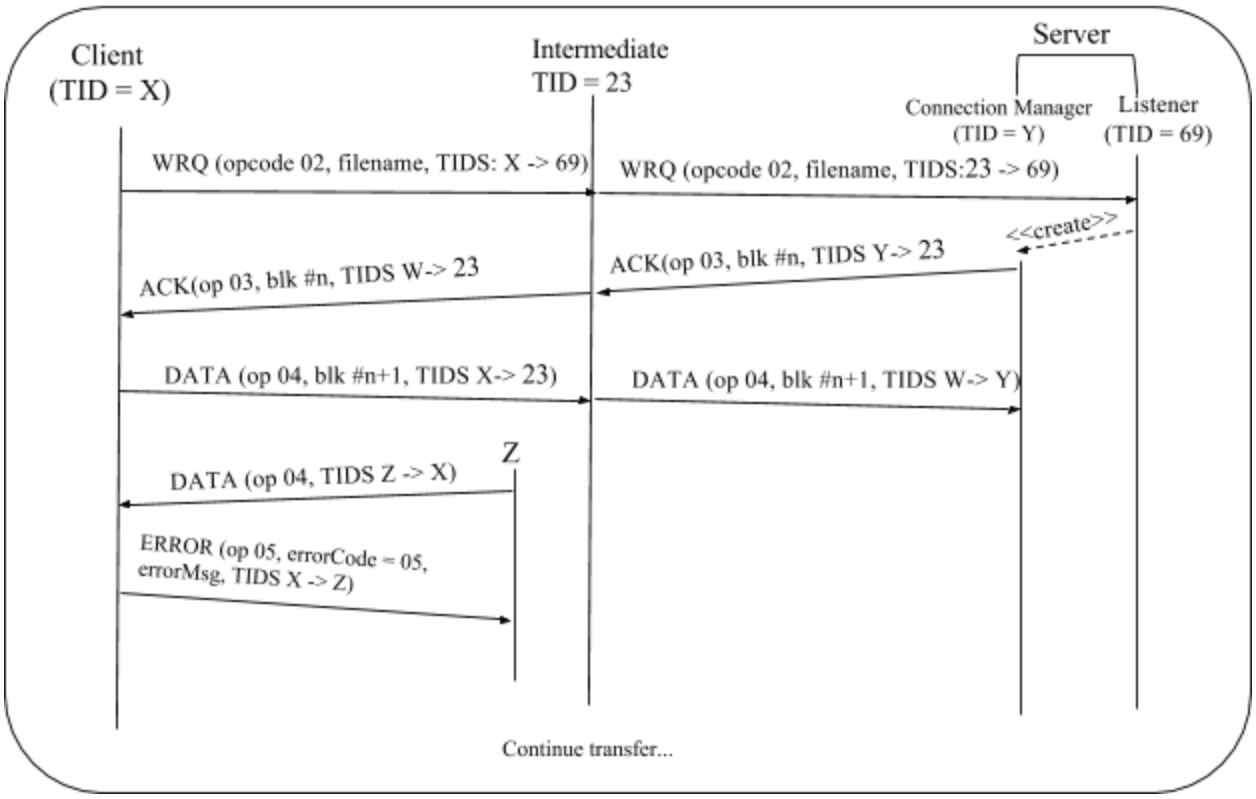
Timing Diagram, WRQ, Delay ACK



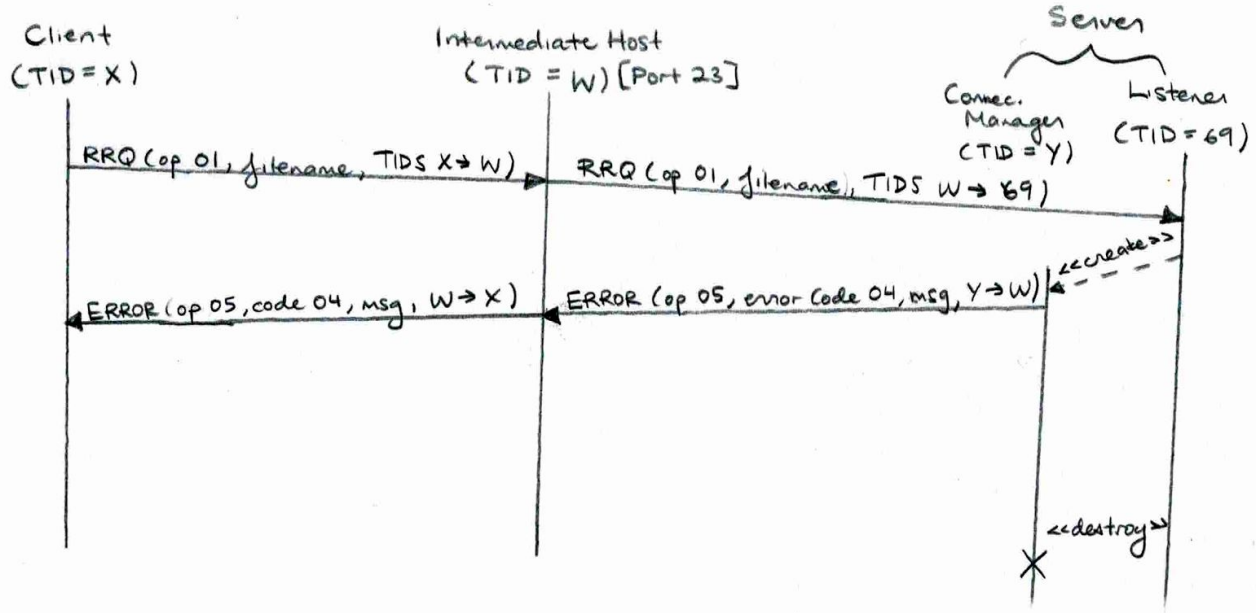
Timing Diagram, Error 5 - Invalid TID, Sent to Client



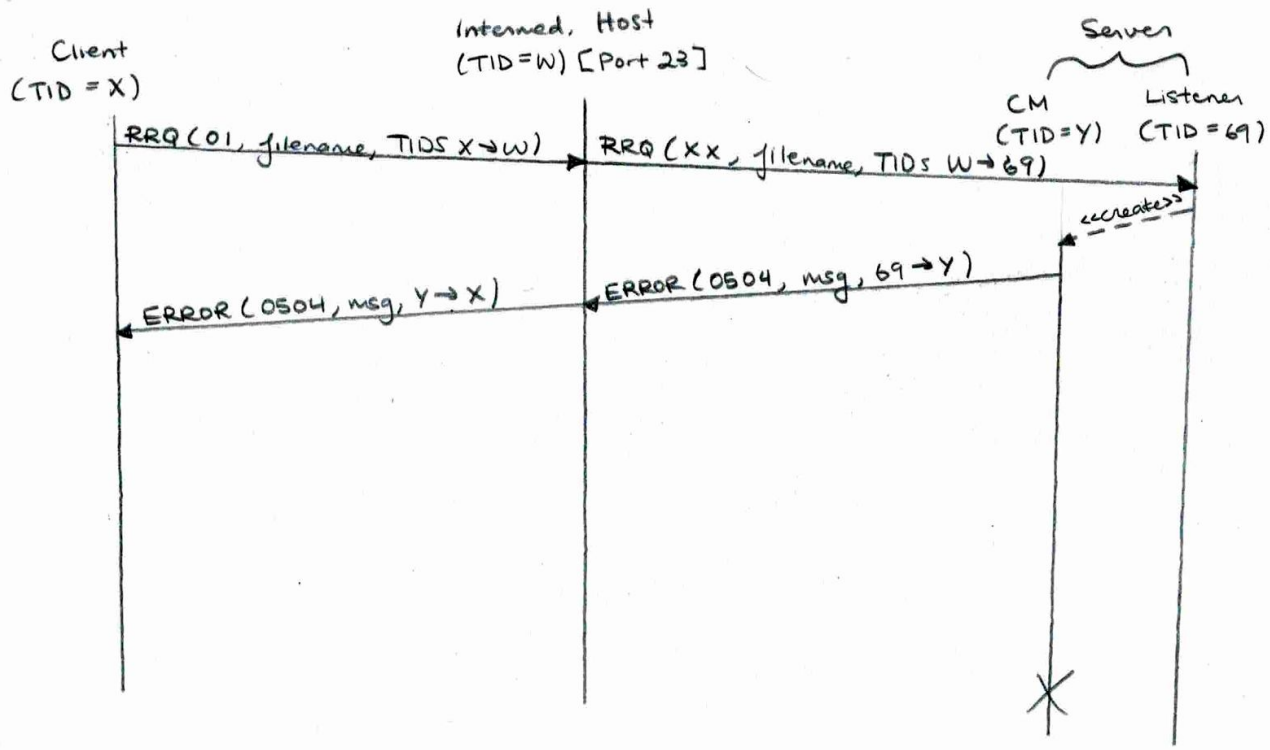
Timing Diagram, Error 5 - Invalid TID, Sent to Server

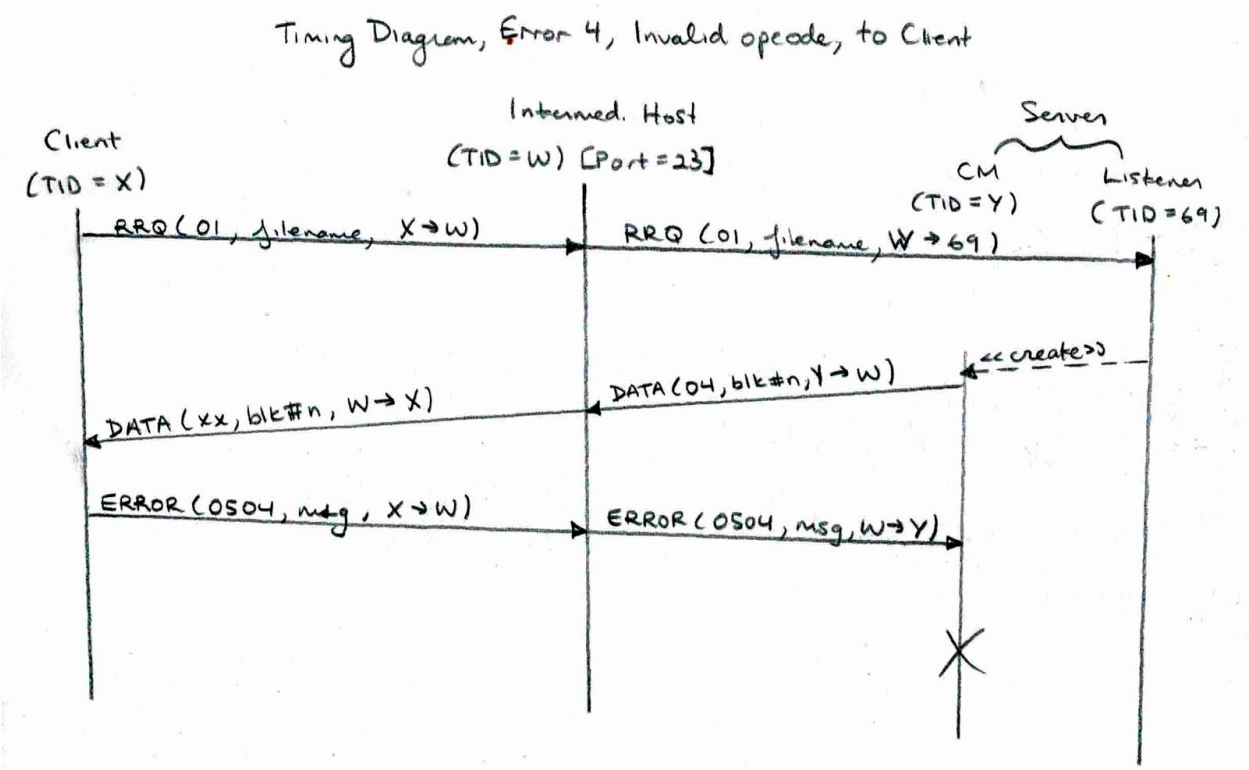


Timing Diagram, Error 4, Invalid Request Packet



Timing Diagram, Error 4, Invalid OPCODE to Server.

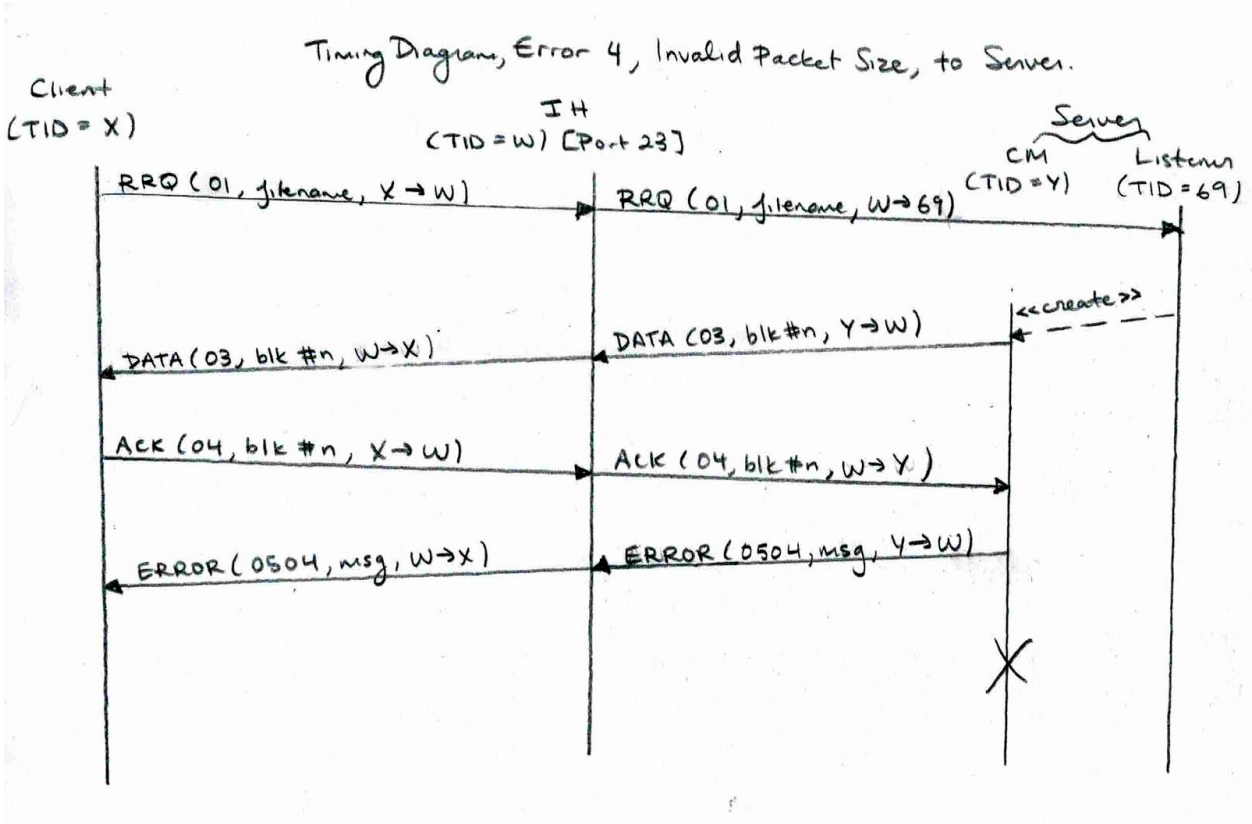




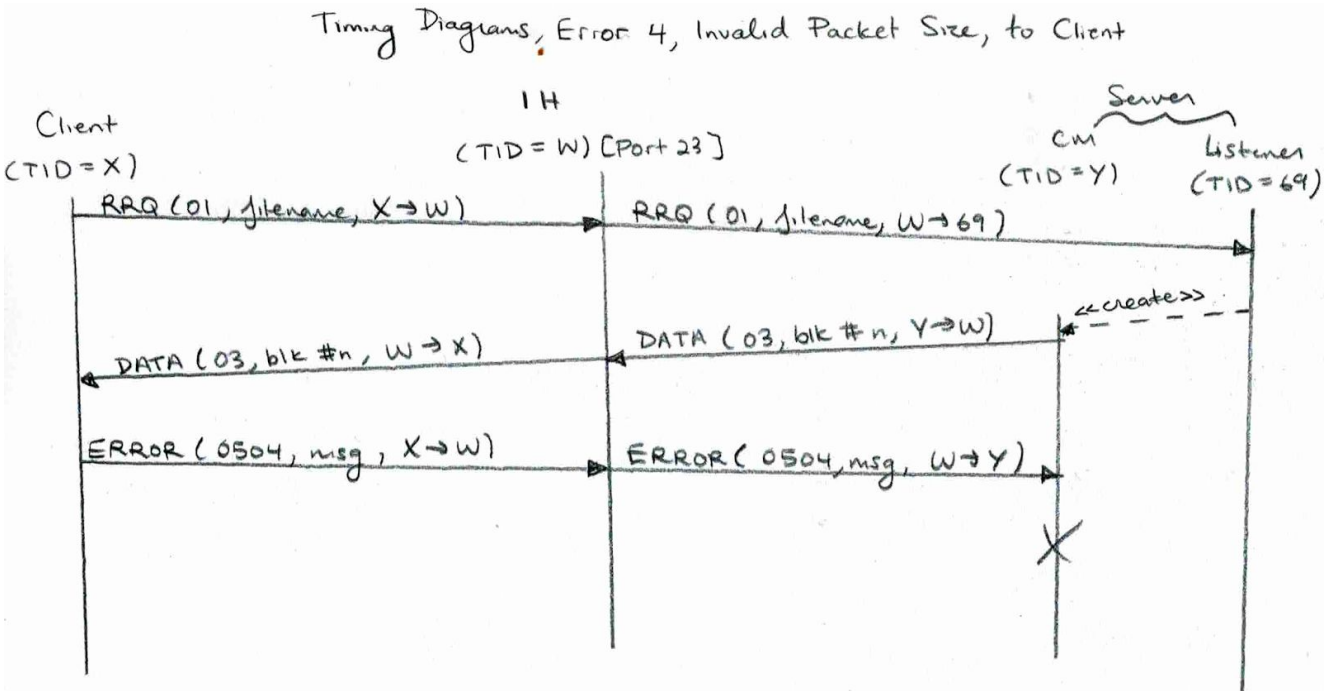
** if RRQ changed to WRQ, there will be a file already exists error

** WRQ to READ, file already exists error

**DATA to ACK or ACK to DATA, invalid opcode error

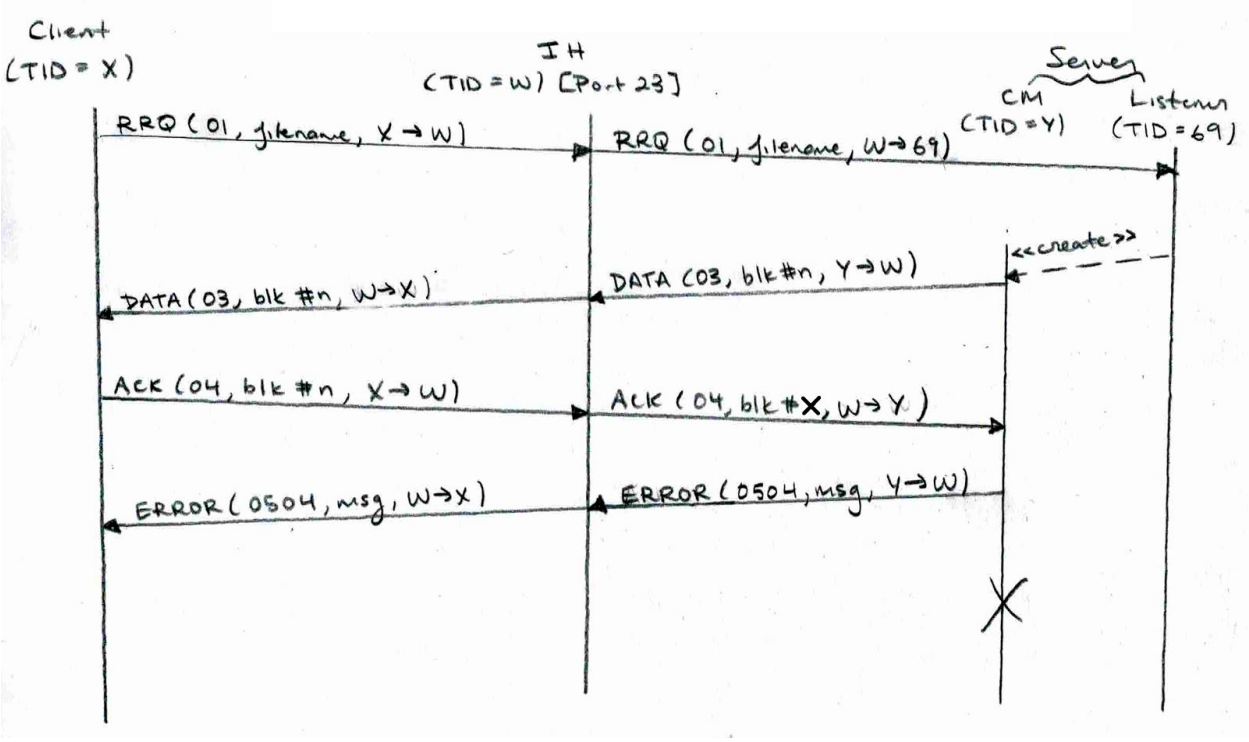


** ACK made too small



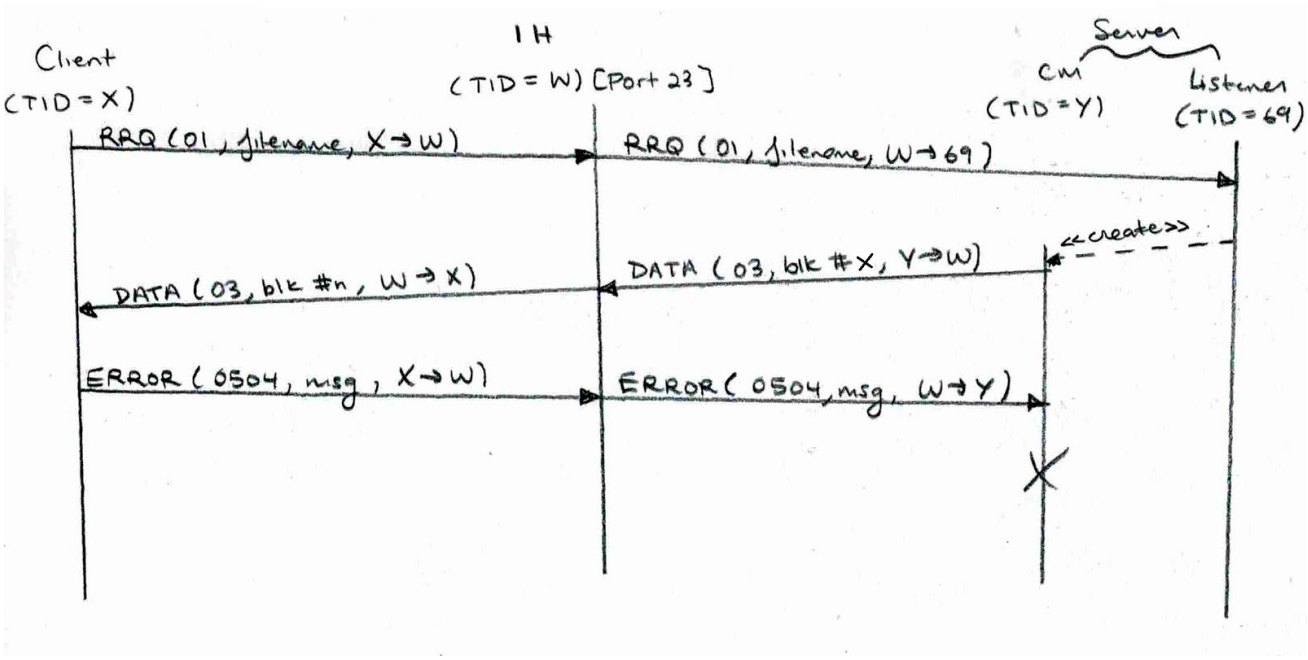
** DATA packet made too large

Timing Diagram, Error 4, Invalid Block Number, to Server



** if repeated ACK, server will ignore

Timing Diagram, Error 4, Invalid Block Number, to Client



** if repeated DATA, client will send ACK and server will ignore repeated ACK