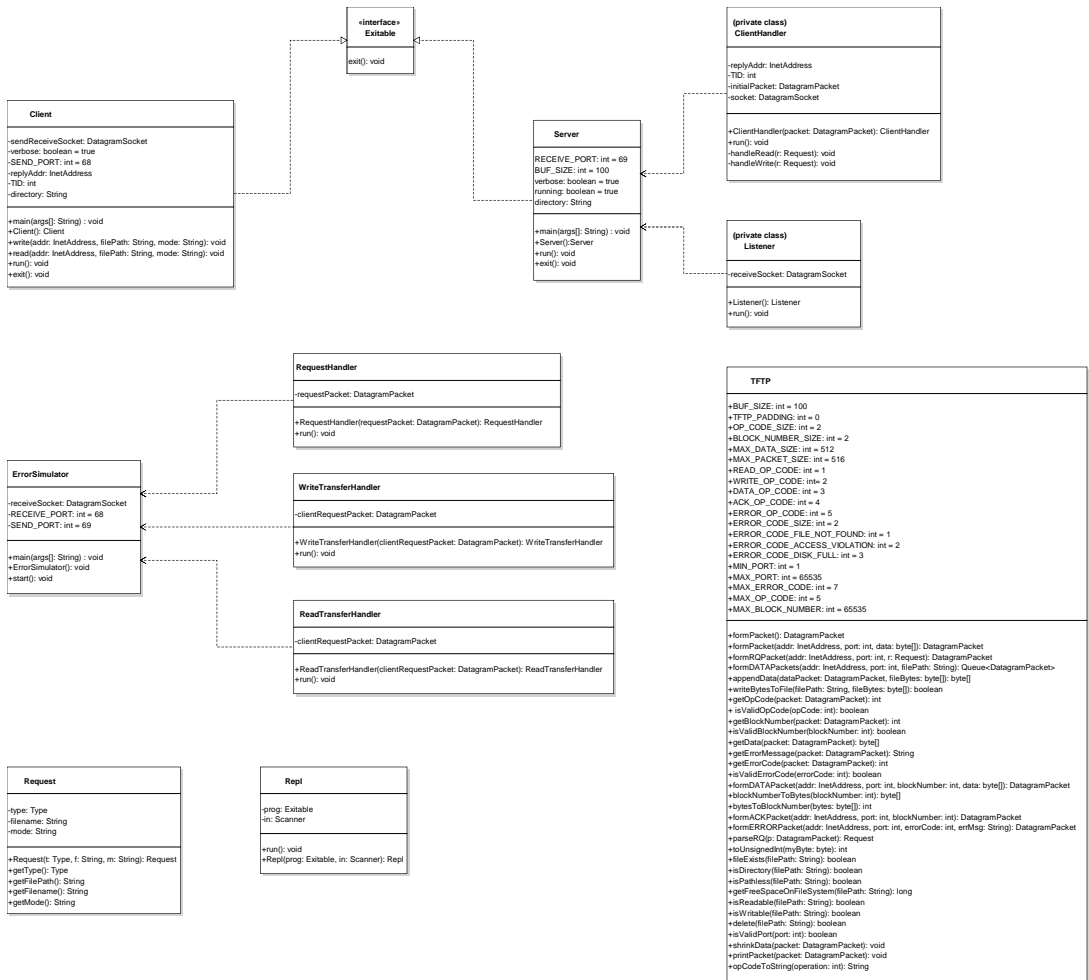


Diagrams for Iteration #2

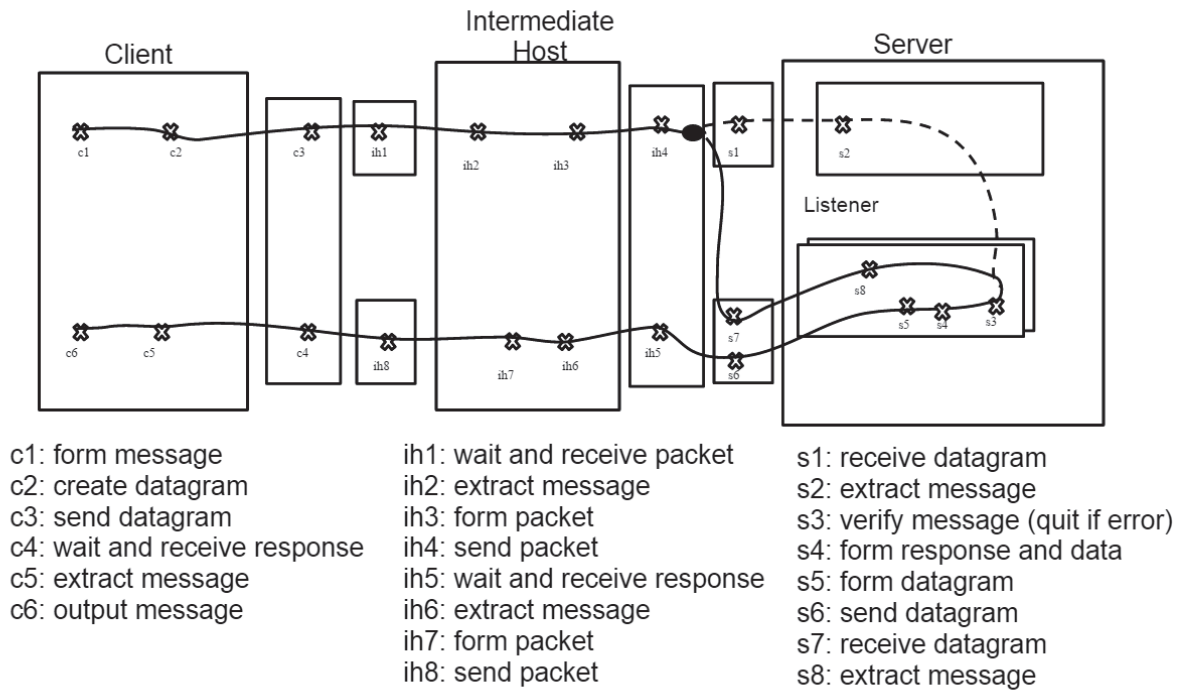
-including class diagram, unchanged UCM diagrams, and timing diagram for error code 1, 2, 3

By: Team 4

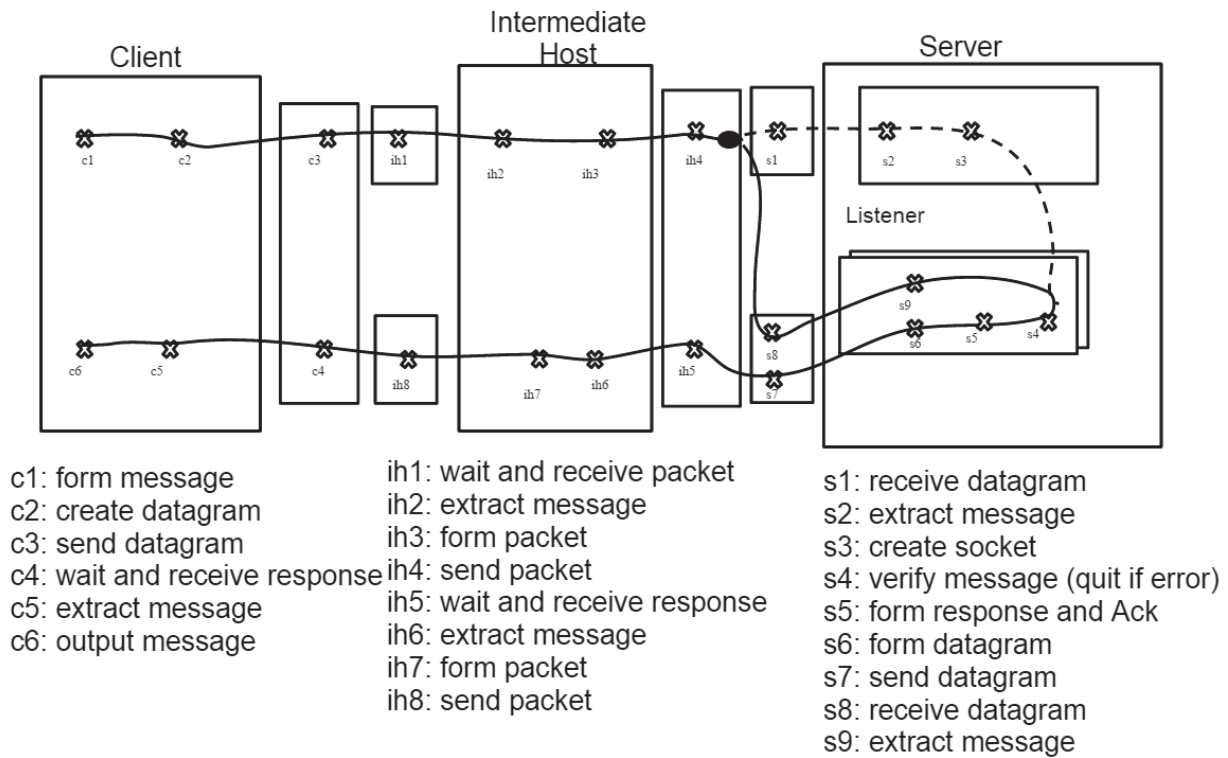
Date: 19th May, 2015



UCM Read Request:



UCM Write Request:

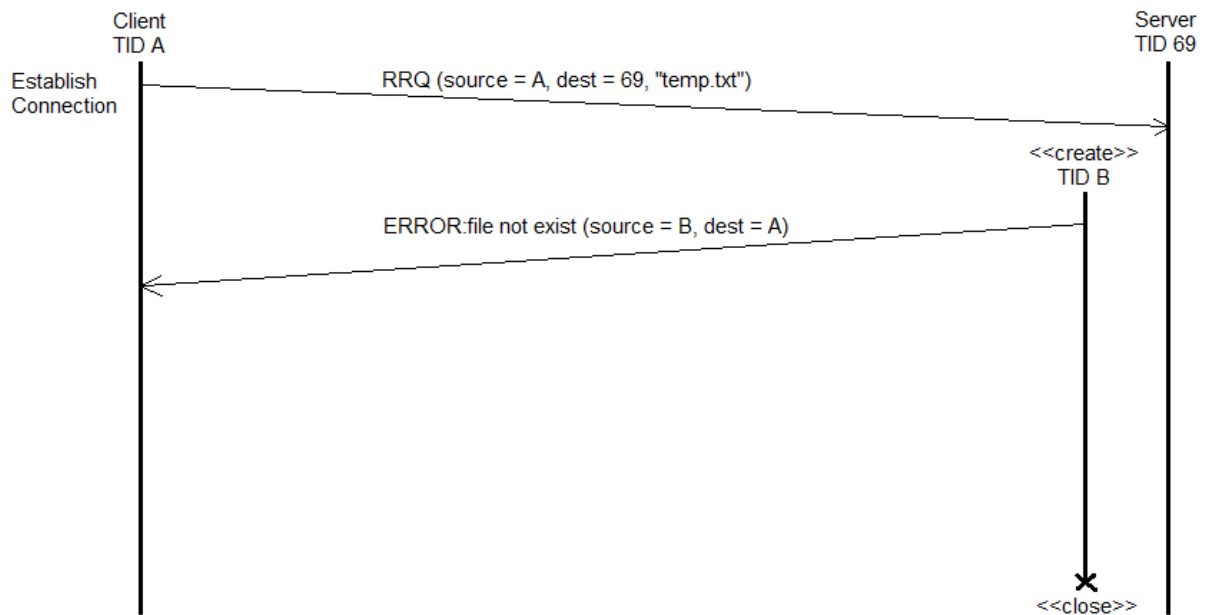


Timing diagrams for iteration #2

[Error Code 1]

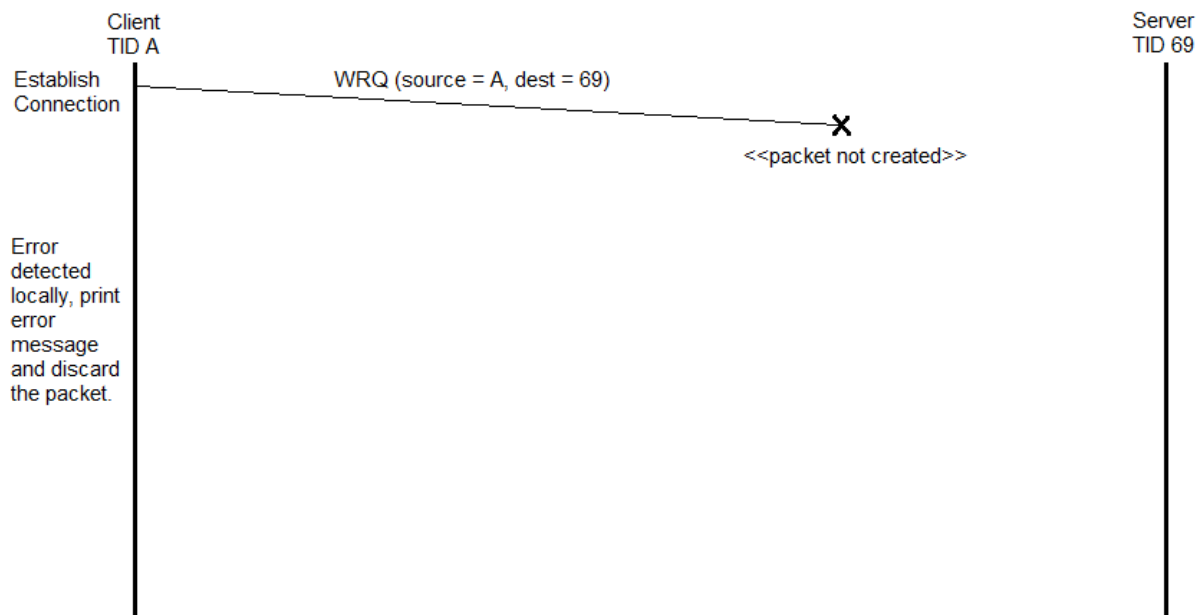
Scenario 1 - RRQ File not found on server:

1. Client sends RRQ.
2. Server detects that file does not exist.
3. Server forms error packet and sends back to client.
4. Server closes its socket with client.
5. Client displays error message.



Scenario 2 - WRQ File not found on Client:

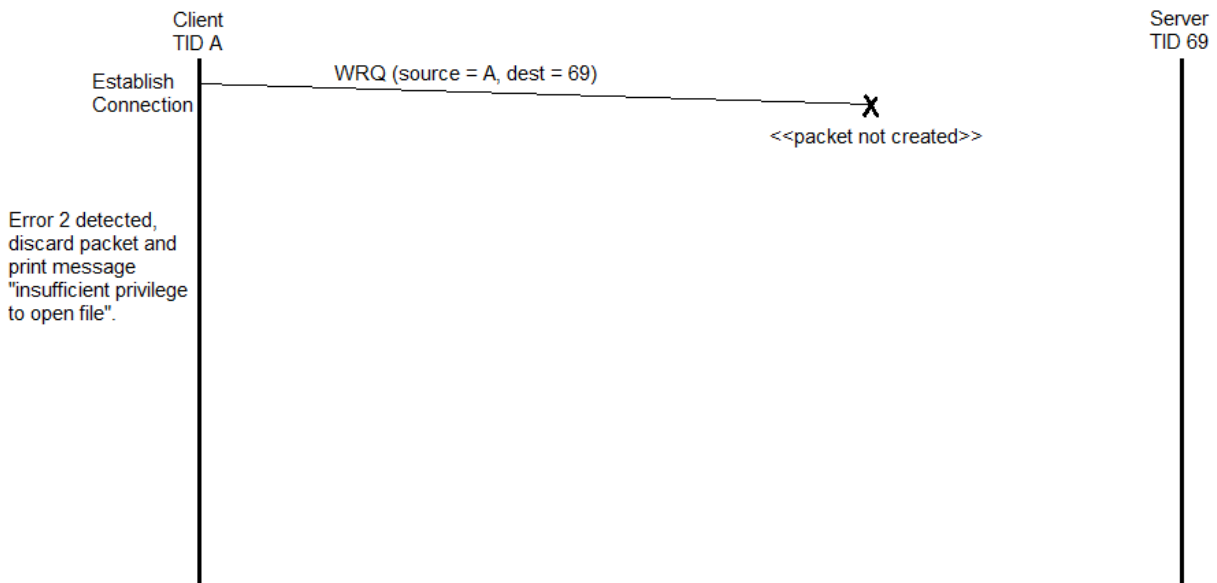
1. User initiates WRQ.
2. Client detects file does not exist on client side.
3. Packet not created, error message displayed.



[Error Code 2]

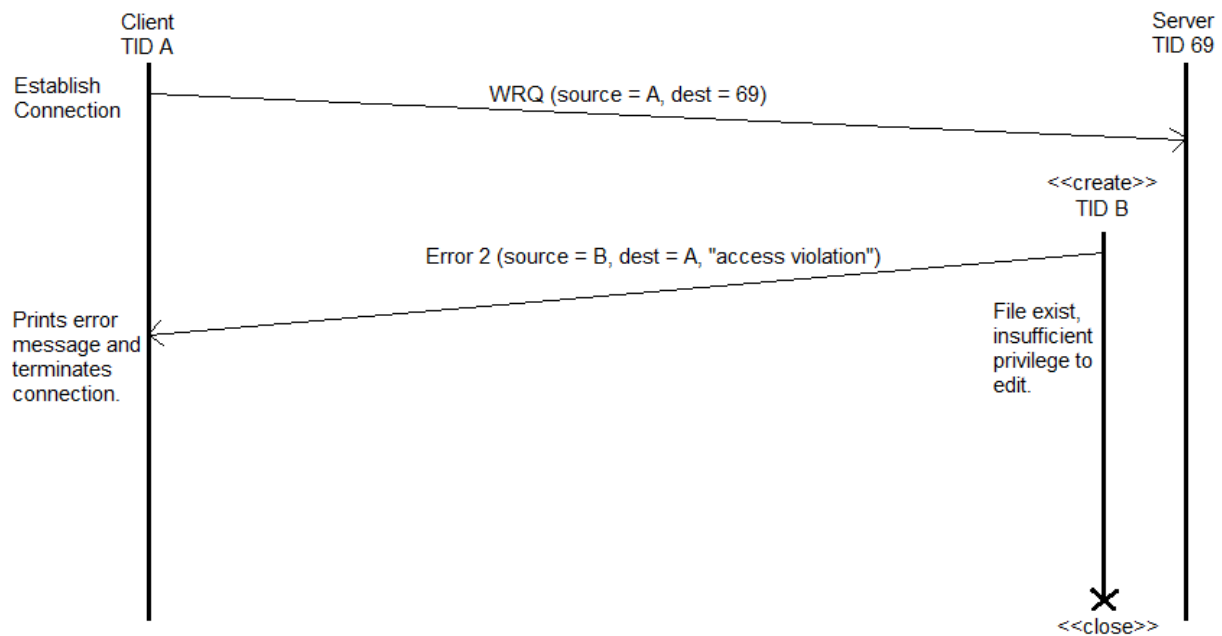
Scenario 1 - WRQ Access violation on client:

1. User initiates WRQ.
2. Client detects that it has insufficient privileges to open file to be sent.
3. Client displays error message



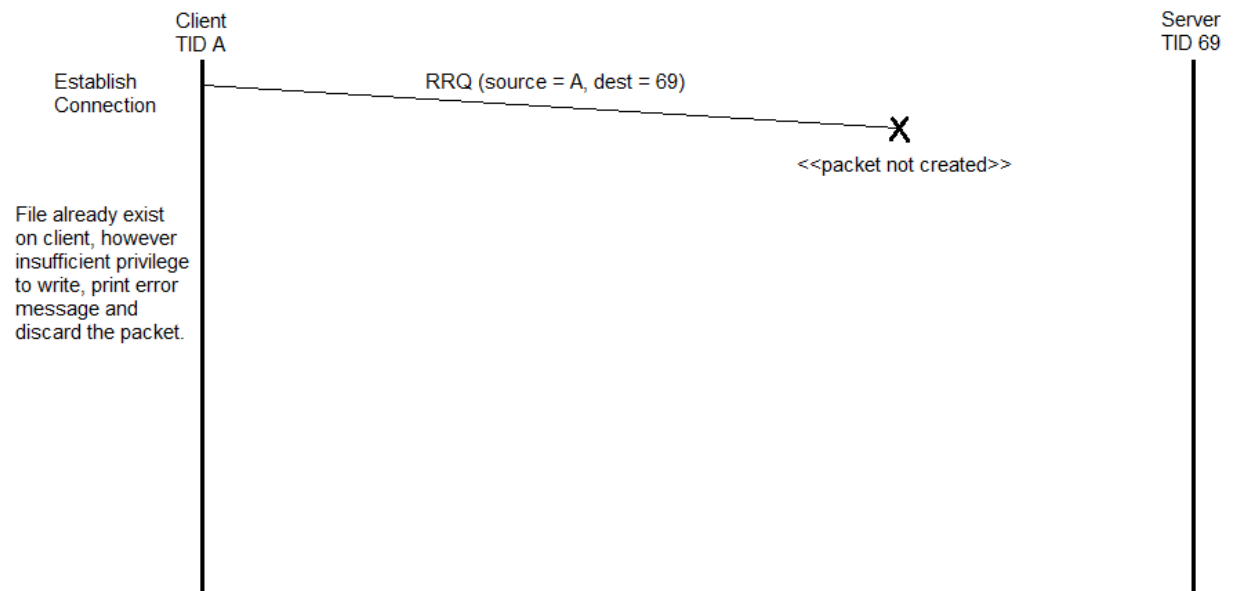
Scenario 2 - WRQ Access violation on server:

1. Client sends WRQ to server.
2. Server detects that file already exists and that client has insufficient privileges to write to file.
3. Server sends ERROR packet to client.
4. Server closes its connection with the client.
5. Client displays error message.



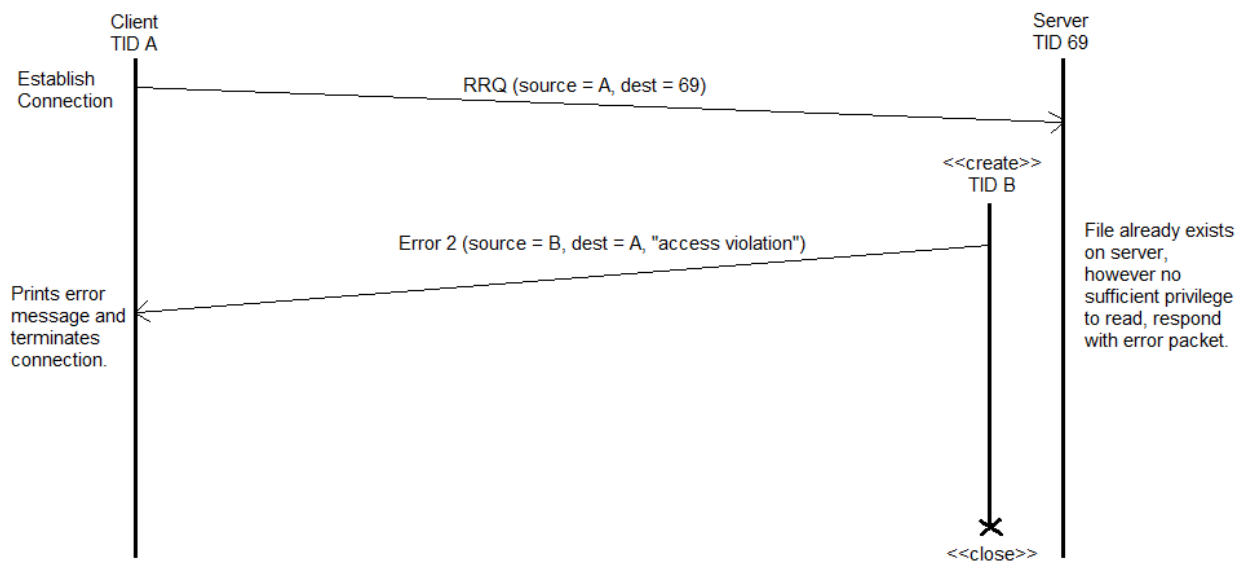
Scenario 3 - RRQ Access violation on client:

1. User initiates a RRQ.
2. Client detects that file already exists.
3. Client detects insufficient privileges to write to file.
4. Client displays error message.



Scenario 4 - RRQ Access violation on client:

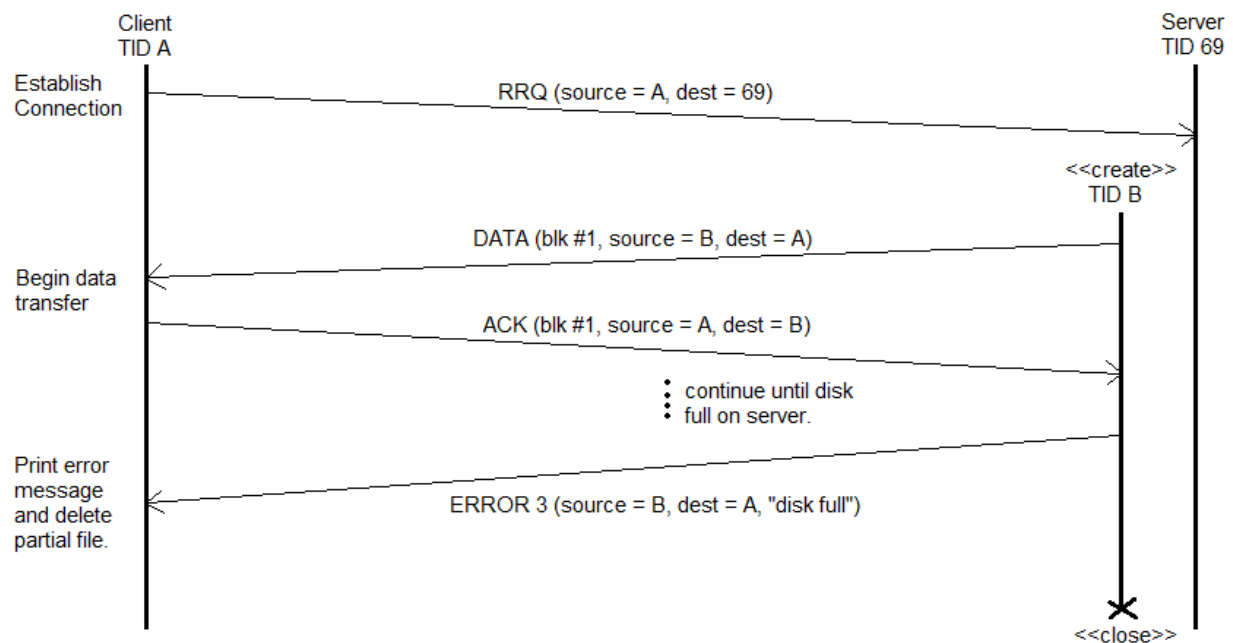
1. User initiates a RRQ
2. Client sends RRQ to Server
3. Server detects that file exists but has insufficient privileges to open.
4. Server sends access violation error packet to client
5. Client displays error message.



[Error Code 3]

Scenario 1 - Disk full on client:

1. User initiates RRQ
2. Client sends RRQ to Server
3. Server sends first data packet
4. Client acknowledges
5. Continues until client detects disk is full
6. Client sends Disk Full error packet
7. Server closes socket and closes file
8. Client deletes incomplete data and displays message



Scenario 2 - Disk full on server:

1. User initiates WRQ
2. Client sends WRQ to Server
3. Server responds with ACK
4. Client sends data packet
5. Continues until Server detects disk full
6. Server sends Disk Full error packet
7. Client displays error message
8. Server closes socket and deletes incomplete data
9. Client closes file

