

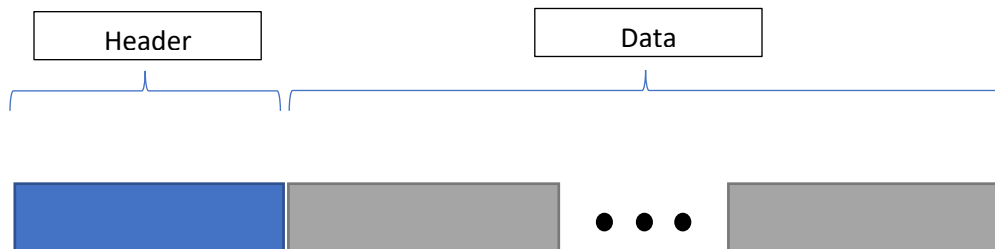
CPSC 471 File Transfer Protocol Design

General

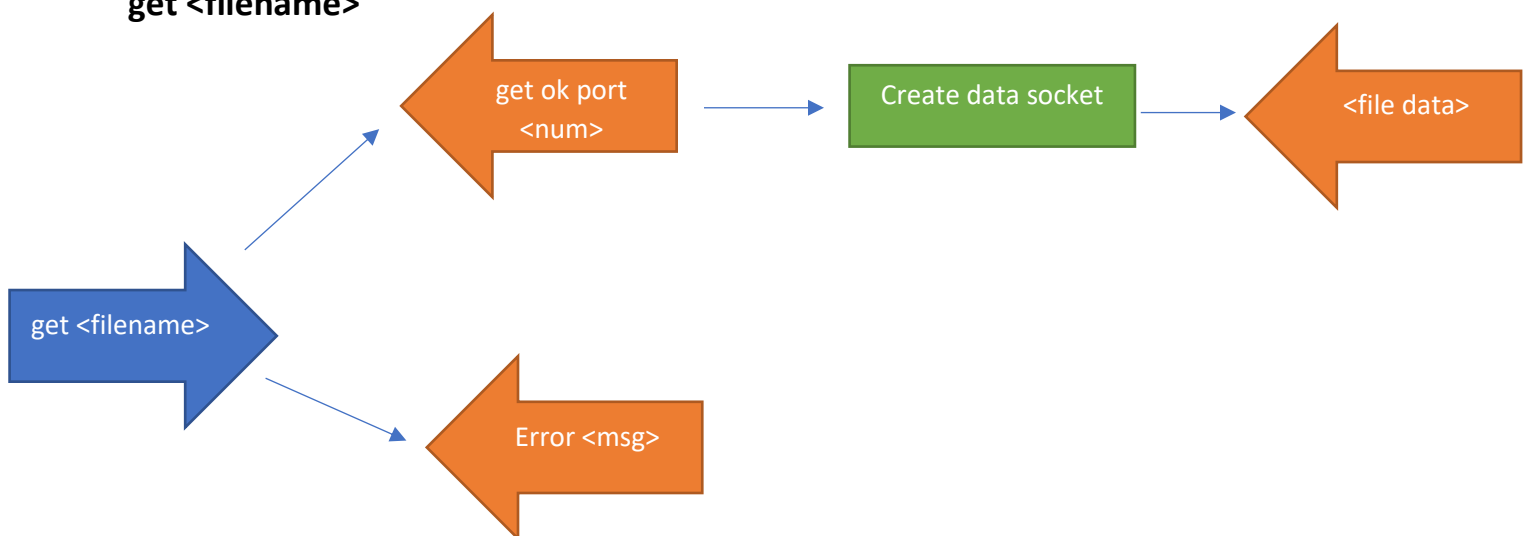
For each packet sent between the client and the server, whether in the command channel or the data channel, there will be a 10 byte header which, when read as decimal string, indicates the size of the subsequent message.

Right-facing blue arrows indicate the client sending a message or data, left-facing orange arrows indicate the server sending a message or data.

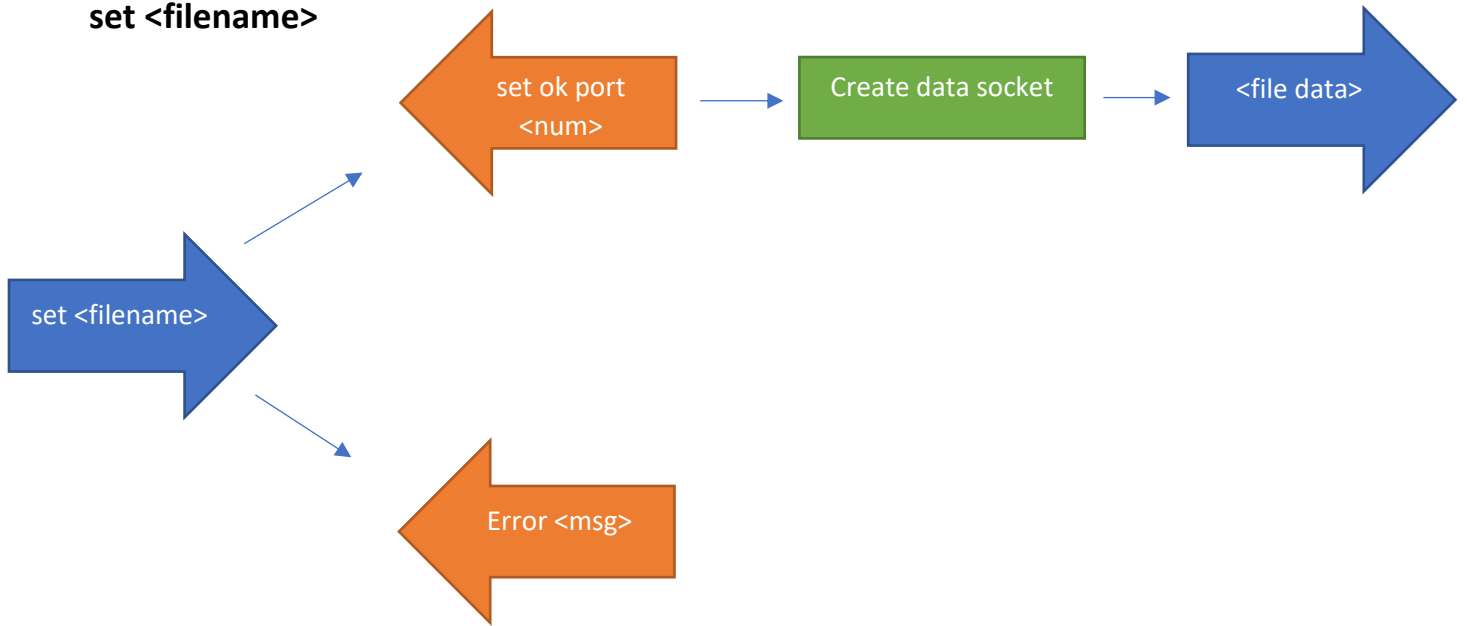
In the case of ls, get, and set, the server will create a new socket on an ephemeral port to send data across and sends that port number to the client. Once a connection has been established on the new data socket, the data is transferred. Once the transfer is complete the data socket is closed.



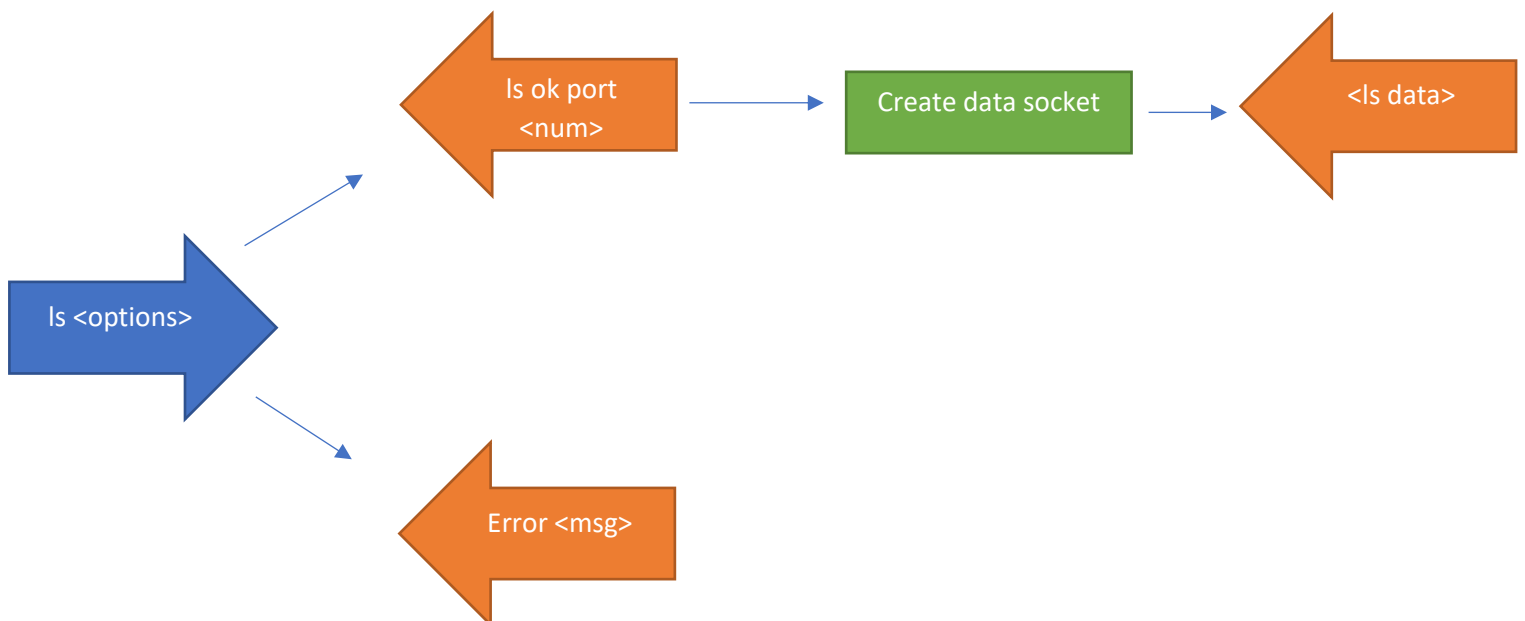
get <filename>



set <filename>



ls <options>



quit

