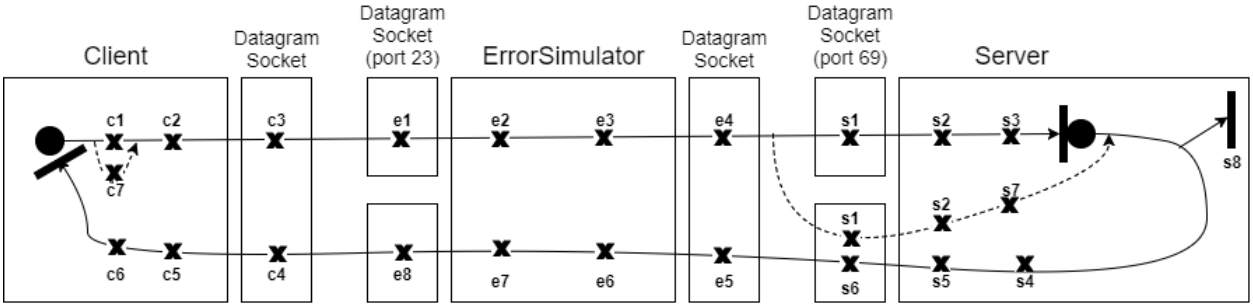
UCM Diagram for Read Request



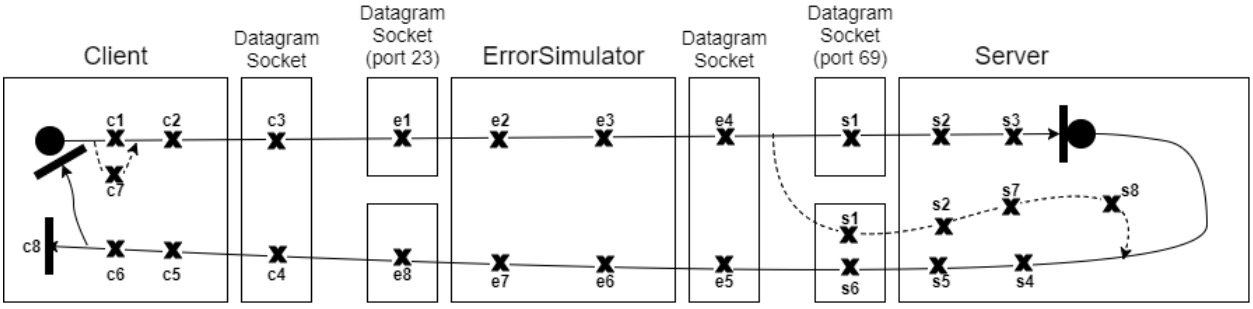
c1 - form RRQ
c2 - create datagram
c3 - send datagram
c4 - receive datagram
c5 - extract message
c6 - record DATA
c7 - form ACK

e1 - receive datagram
e2 - extract message
e3 - create datagram
e4 - send datagram
e5 - receive datagram
e6 - extract message
e7 - create datagram
e8 - send datagram

s1 - receive datagram
s2 - extract message
s3 - verify RRQ
s4 - form DATA
s5 - create datagram
s6 - send datagram
s7 - verify ACK
s8 - done

-------➤ indicates steady-state file transfer path

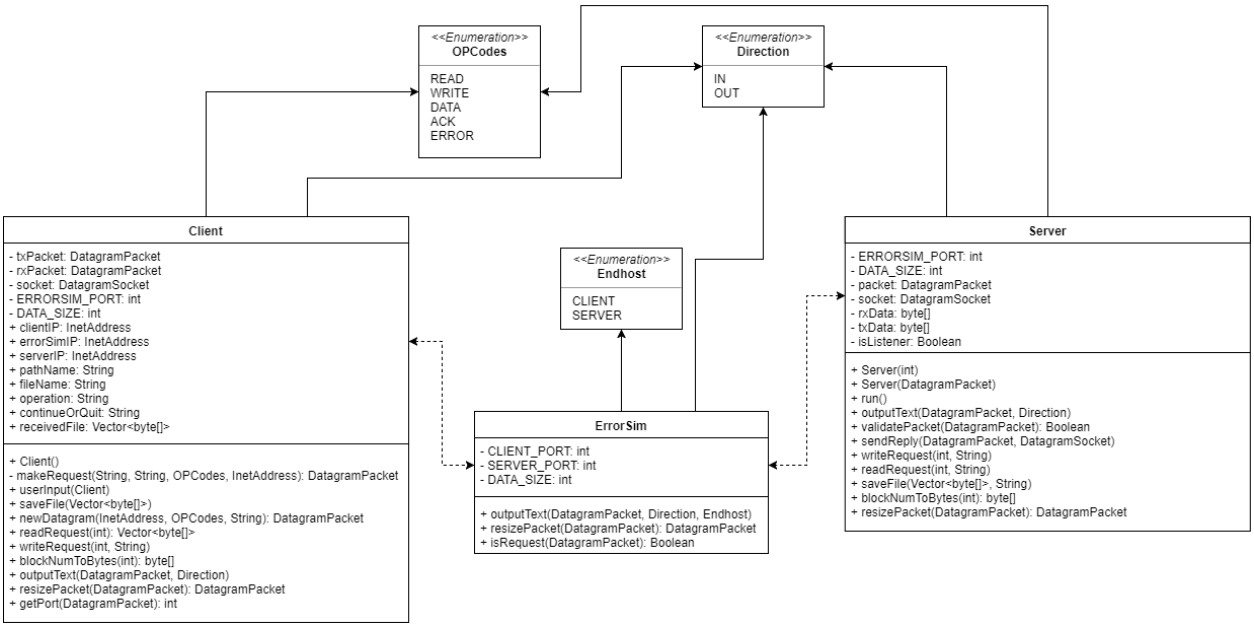
UCM Diagram for Write Request



c1 - form WRQ
c2 - create datagram
c3 - send datagram
c4 - receive datagram
c5 - extract message
c6 - verify ACK
c7 - form DATA
c8 - done

e1 - receive datagram
e2 - extract message
e3 - create datagram
e4 - send datagram
e5 - receive datagram
e6 - extract message
e7 - create datagram
e8 - send datagram

s1 - receive datagram
s2 - extract message
s3 - verify WRQ
s4 - form ACK
s5 - create datagram
s6 - send datagram
s7 - verify DATA
s8 - write DATA to file

-------➤ indicates steady-state file transfer path

UML Class Diagram