



Get File
Receive pkt and
pkt corrupt or not directed to server's RTP port

Get File

Server :
(This example is
for one client,
overload
the listen() method
checks for all clients
and process them
in parallel.)

Wait For
GET Pkt

N

Looks out for pkt in pk+Q, if within window,
send it and put it to sentbfr, pop it from pk+Q

Received proper ACK

Send ACK for GET

Send first segment pkt
move first segment pkt from
not-yet-sent buffer to pk+Q

To send buffer (sentbfr)

Received proper ACK

Received TLR

Send ACK for TLR,

Clear buffers.

drop all pkts w/ file segment # that's
less than the ACK pkt; Acked segment
max from sentbfr

Received GET from the client.

Clear All Buffers, send ACK, restart file transfer by
sending 1st segment pkt

Receive corrupted pkt

or pkt not directed to this host

Received triple dup ACK

Cut congestion window in half

put all pkts in sentbfr back

+ pk+Q

Timeout

Send ACK for TLR

Clear all buffers

Set window to 1

put all pkts in sentbfr back to pk+Q

Restart timer

File transfer
Complete

During File
Transfer