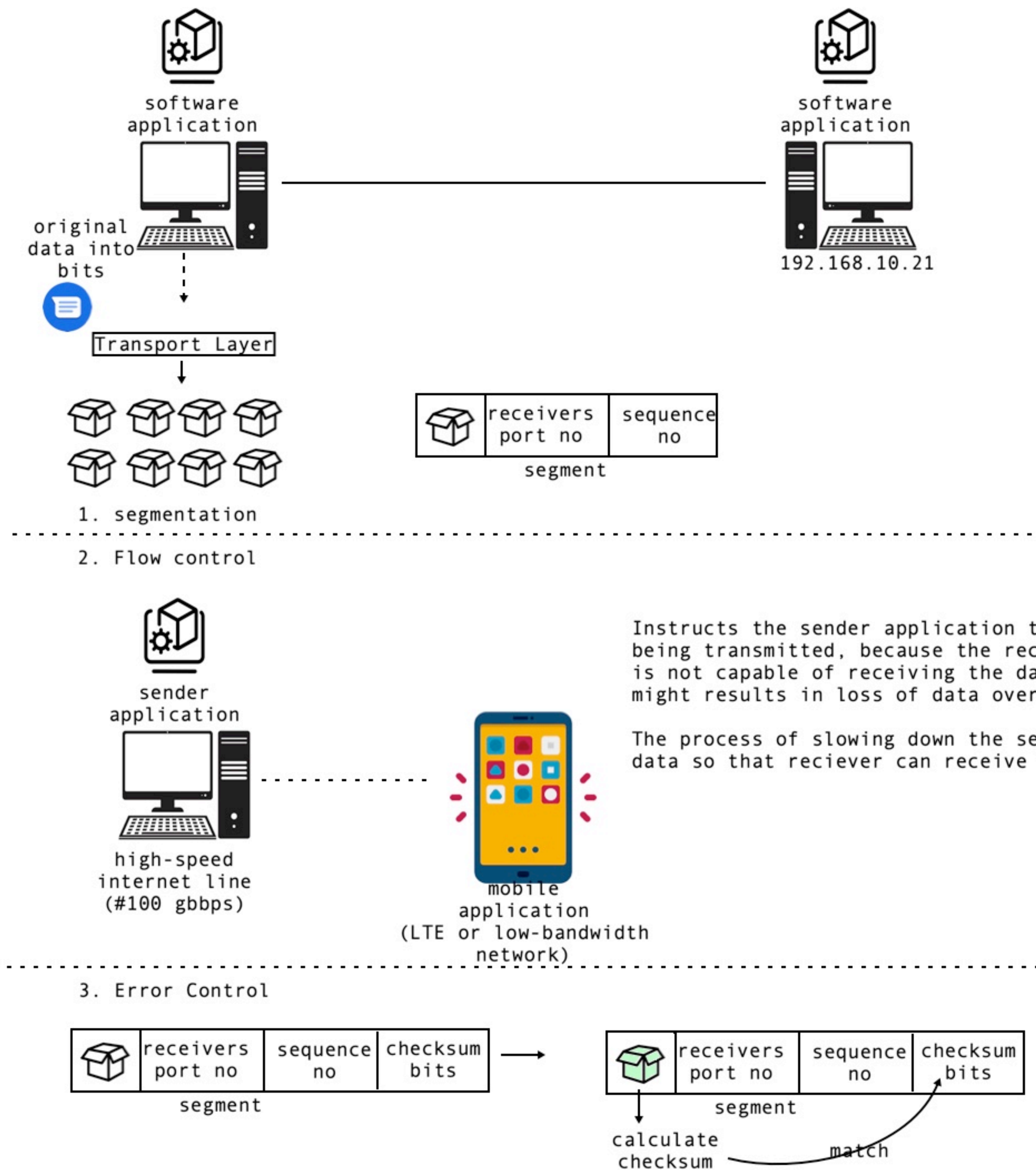


## Transport Layer



To detect the corrupted data segments, the transport layer at the sender side will compute checksum value based on the payload(data) of the segment and send it as part of the segment itself. At the receiver side, on received payload the checksum value will be computed and matched with original checksum being sent.

If the checksums are mismatching, it indicates the data has been corrupted over the transmission channel. Upon detecting the error segment, the transport layer instructs the sender to re-send the data back.