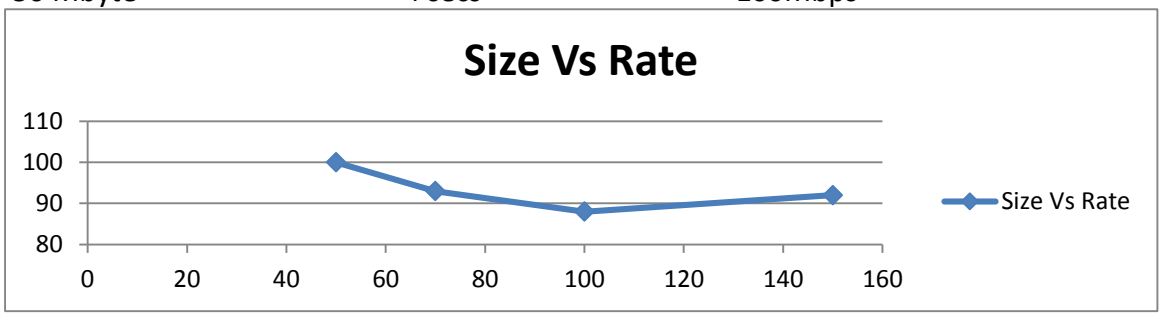
Data Rates vs. File Size

Following data was collected during the testing of PUT and GET with different filesizes:

FileSize	Time Taken	Data rate
150 Mbyte	13 secs	92Mbps
100 Mbyte	9 secs	88.8Mbps
70 Mbyte	6 secs	93Mbps
50 Mbyte	4 secs	100Mbps

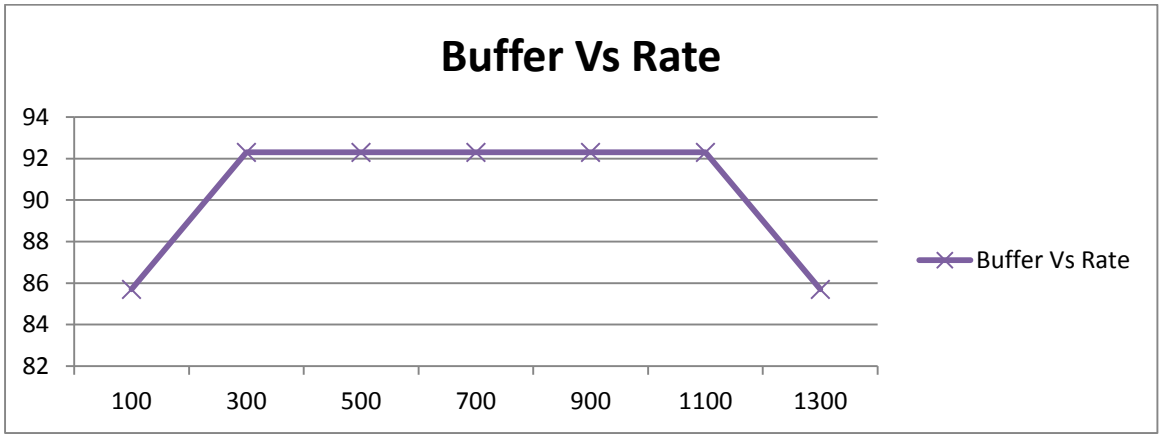


The rate doesn't vary much with the file size as it is independent of the file size. It depends mostly on the external factors like traffic etc. And hence there is a bit of fluctuation probably due to the traffic.

Data Rates vs. Buffer Size

Following data was collected during the testing of PUT and GET of a 150Mb file with different BUFFER_SIZE :

BufferSize	Time Taken	Data rate
100Byte	14 secs	85.7Mbps
300Byte	13 secs	92.3Mbps
500Byte	13 secs	92.3Mbps
700Byte	13 secs	92.3Mbps
900Byte	13secs	92.3Mbps
1100Byte	13 secs	92.3Mbps
1300Byte	14 secs	85.7Mbps



Since the Buffer Size in program is not necessarily the actual Packet Size, we don't see the similar result of a packet vs rate of TCP.

As expected the rate is also constant with respect to the buffer size and it is obvious from the data collected. Some variations are probably because of the traffic.