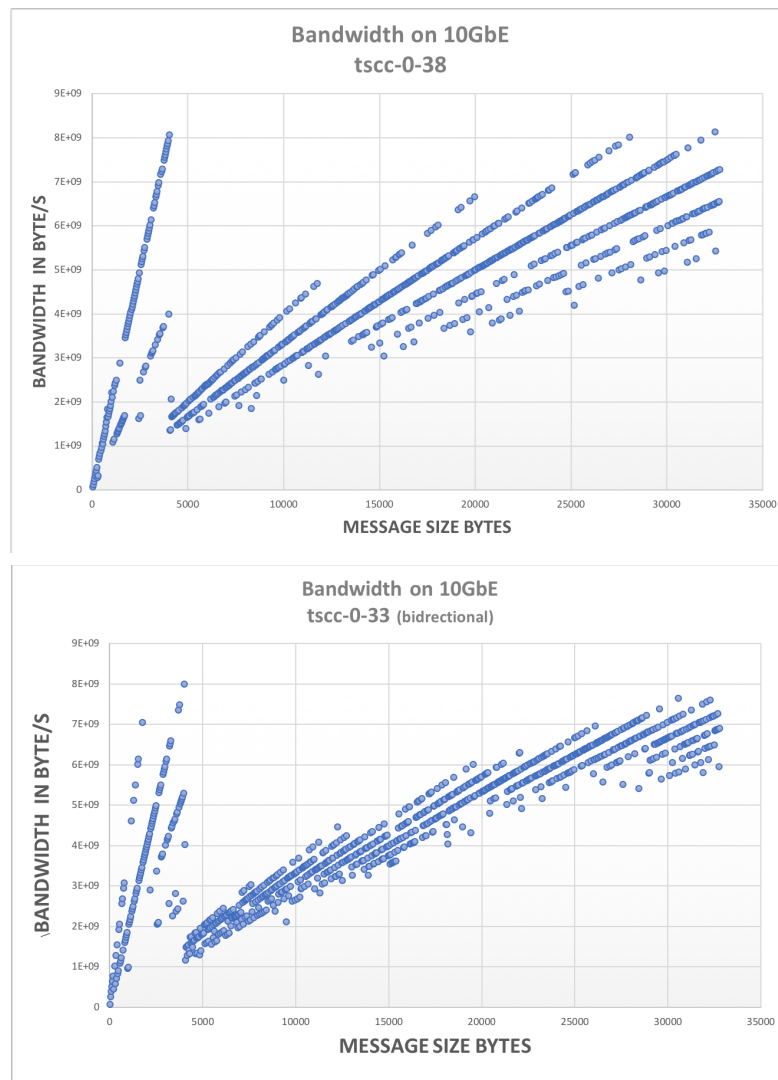

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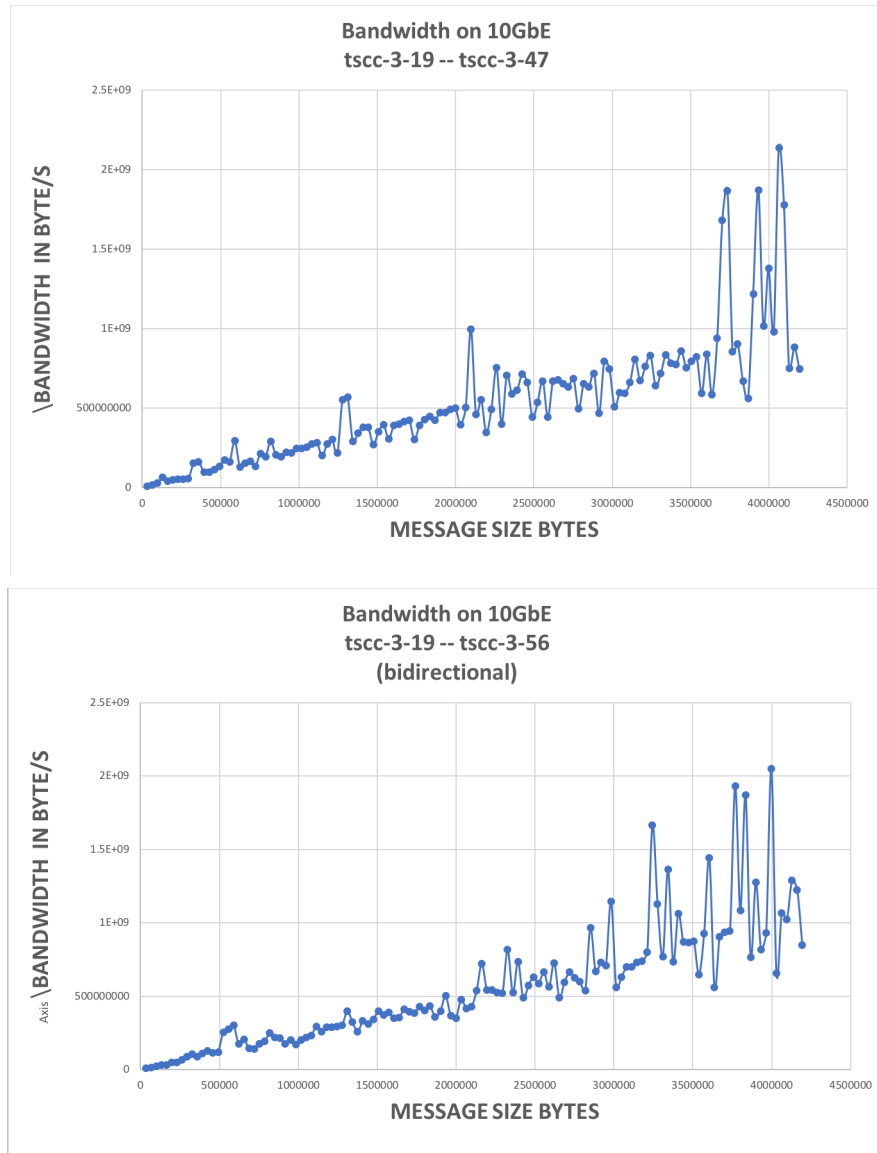
1. Single Node Case:



Observation:

The message passing bandwidth tested across two cores of a local machine drops greatly around message size 4000 bytes. This is probably the size of the machine's cache.

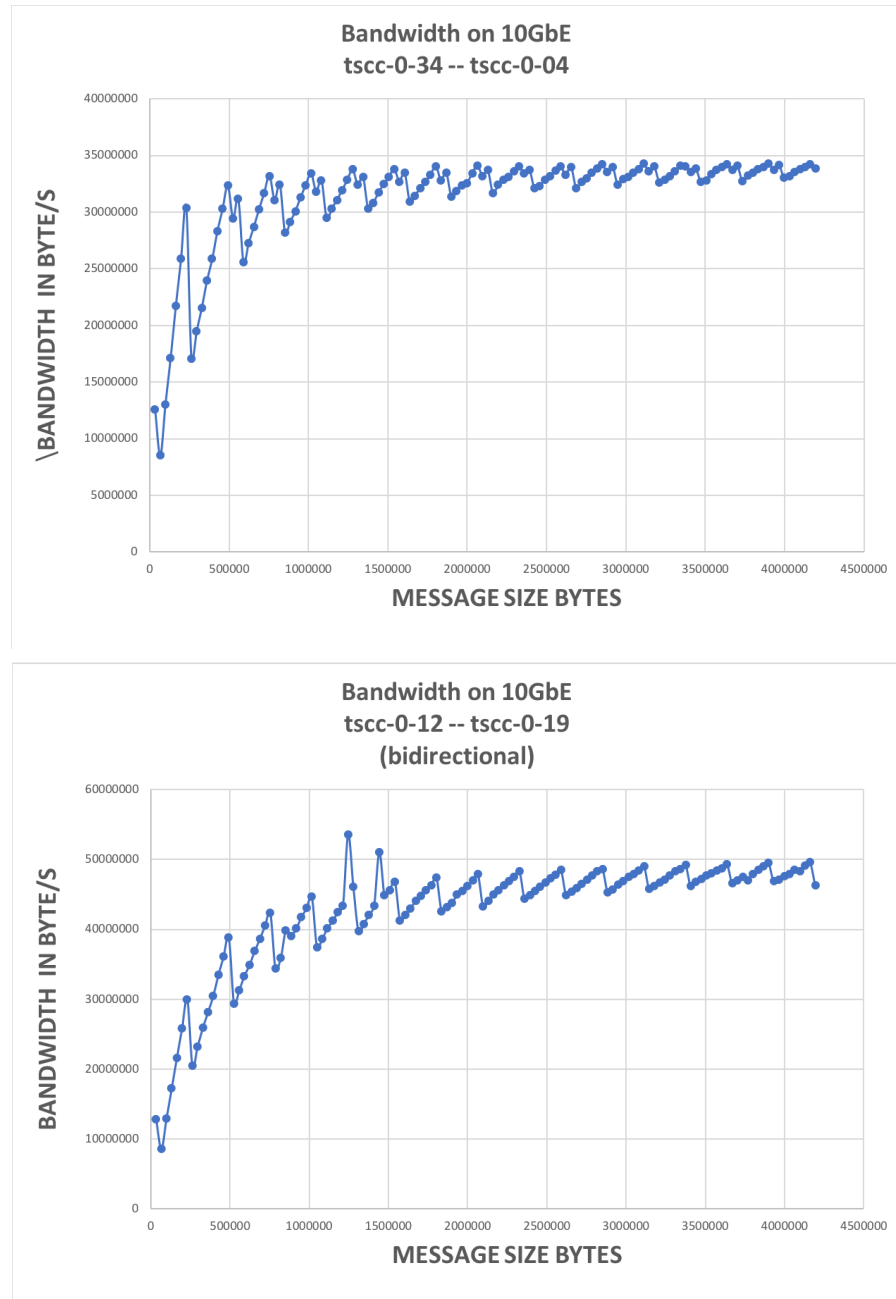
2. Two Nodes via Infinband Case:



Observation:

Infinband appears to have larger bandwidth than Ethernet (as the curve levels later than Ethernet with the same message buffer size set).

3. Two Nodes via Ethernet Case:



Observation:

The Ethernet on TSCC is slower than the Infinband. Bidirectional testing gets better performance than unidirectional testing.

Why we are measuring different message length in various case?

Because the max bandwidth on local machine (across two cores), Ethernet, and Infinband is different. We need different message size to test those connections' limits.