STAC Update for Network I/O

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HPE Trade & Match Server with Solarflare

- ## The stack:
  - HPE ProLiant XL170r Gen9 Servers
  - 1 x Intel E5-1680 v3 (Haswell) processor per server
  - Custom HPE tools to enable over-clocking
  - Solarflare SFN 8522-PLUS Adapters
  - RHEL 6.6

- ## Tested using STAC-N1
  - Measures the performance of a host network stack (server, OS, drivers, host adapter)
  - Round-trip software timestamping
  - Market data style workload
  - Matrix of message rates and message sizes

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- Compared to all other public STAC-N1 reports of Ethernet-based SUTs:

    - Lowest max latency at base rate (100K mps)

    - Lowest max latency at highest rate tested (1 million mps)

    - Max at 1 million mps was 18 microseconds vs the previous best 51 microseconds (SUT ID SFC141110).

    - Lowest mean latency at both the base rate and the highest rate tested.

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