

# Optimize networking performance with the Dell PowerEdge R750 featuring a modern 100Gb Broadcom NIC

A single NIC provided better and more consistent performance than using four 25Gb NICs

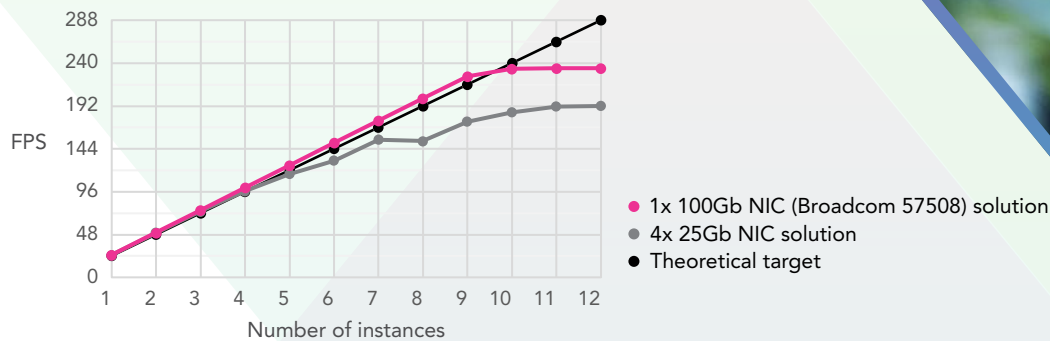
Using Frametest, we compared:

- ◆ A Dell™ PowerEdge™ R750 server with Broadcom® 57508™ Dual Port 100Gb network interface card
- ◆ The same PowerEdge R750 server with four 25Gb NICs\*

A solution with one 100Gb Broadcom 57508 NIC achieved as much as **31% more FPS** than a four-NIC solution

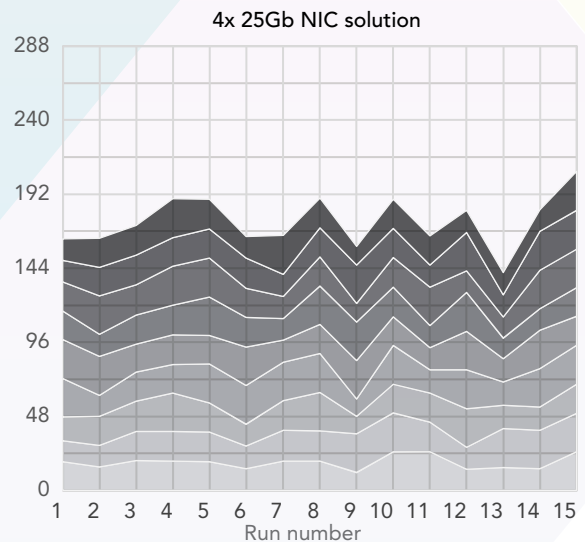
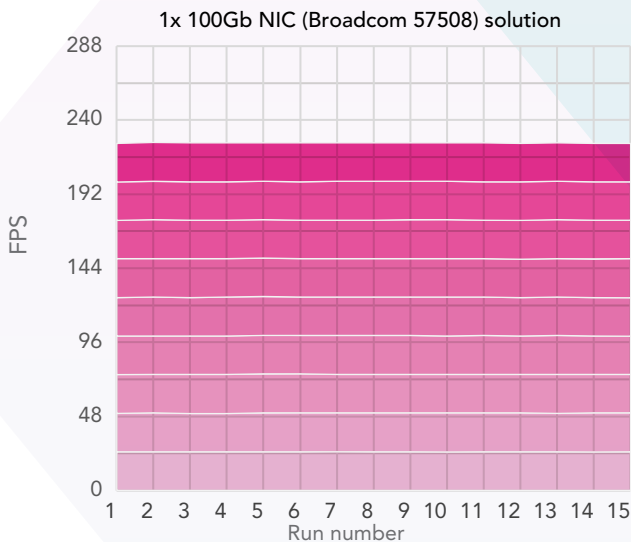
## Average frames per second: Reads

Higher is better



Move video streams to your target server with better consistency using a single 100Gb Broadcom 57508 NIC

## Frametest performance for 9 instances



Learn more at <https://facts.pt/sQD21wU>



\*We used two dual-port NICs to achieve our 4 x 25Gb NIC configuration.

Copyright 2022 Principled Technologies, Inc. Based on "Optimize networking performance with the Dell PowerEdge R750 featuring a modern 100Gb Broadcom NIC," a Principled Technologies report, November 2022. Principled Technologies® is a registered trademark of Principled Technologies, Inc. All other product names are the trademarks of their respective owners.