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TITLE

NVMe over TCP - Coming to a network you already own, without compromise!

ABSTRACT

While Ethernet based RDMA has a strong potential of becoming a dominant fabric for extending the scalability of NVMe and future paradigms of persistent memory, but one size does not fit all, neither can every use case be addressed by a rip and replace approach that RDMA (RoCE or iWARP) requires. Focusing on use cases, TCO and investment protection, this presentation will present an objective analysis of a new (old) fabric - TCP, for scaling our NVMe over the datacenter. Learn how your existing datacenter investments can participate in the migration to flash without a rip and replace, and skip the complexity of verbs in datacenter. Walk away with understanding how software and hardware accelerations can deliver the performance of NVMe without compromise, even with TCP!

BIOGRAPHY

Nishant Lodha is a Product Marketing Manager focused on emerging technologies for Marvell's 10/25/50/100GbE Ethernet NICs and SmartNICs. Based in the San Francisco Bay Area, Nishant is responsible for Enterprise and Cloud Storage market and trend analysis and analytics; hands-on technology analysis, and performance characterization for flash accelerated applications. As an author of various papers and speaker at technology webinars - including a recently published NVMe-oF and 25GbE paper, speaker at Flash Memory Summit 2017, 2018, DPDK Summit 2017 and a Brighttalk debate on choice of NVMe fabrics. Over the last decade, Nishant has evangelized Ethernet based fabrics, Storage use cases and Telco/Cloud technologies. Prior of joining Marvell in 2018, Nishant has worked at various storage and networking industry majors including Hewlett Packard, Sun Microsystems and Intel. Nishant served on the Board of Directors for the Ethernet Alliance in 2016 and is on the board of the IBTA Steering committee.