RDMA Over Converged Ethernet (RoCE) Version 2

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RDMA over Converged Ethernet version 2 (RoCEv2) is a network protocol that allows for Remote Direct Memory Access (RDMA) over Ethernet networks. It enables low-latency and high-bandwidth communication between servers or storage systems by leveraging the benefits of RDMA technology. RoCEv2 eliminates the need for traditional TCP/IP networking stack overhead, resulting in improved performance and reduced latency. It allows for efficient data transfers and enables applications to directly access remote memory, enhancing overall network efficiency and scalability. RoCEv2 is often used in data centers and high-performance computing environments to optimize network performance and accelerate data-intensive workloads.

RoCE v2 is supported on Windows, Linux, and ESXi platforms.