Intel Simplifies the Data Center

New Technology Aims to Speed Up Cloud Adoption, Lower Costs and Environmental Impact

NEWS HIGHLIGHTS

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--  Intel announces free unified networking technology that enables all data
    center traffic to run over a single cable using Intel 10GbE server
    adapters.
--  The consolidation of cabling equipment can help reduce global IT
    spending by $3 billion a year and the 400 million feet of global data
    center cabling saved is enough to wrap around the Earth three times.
--  Industry support of Intel Open FCoE, include Cisco*, Dell*, EMC*,
    NetApp*, Oracle* and Red Hat*
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SANTA CLARA, Calif.--(BUSINESS WIRE)-- Intel Corporation took a further step today to simplify the data center by introducing a free new technology that enables all data center traffic to run over a single cable using the Intel(R) 10 Gigabit Ethernet (10 GbE) Server Adapter X520 family.

Unified networking allows IT departments to create flexible superhighways in virtualized data centers by consolidating multiple data and storage networks onto a single 10GbE network. The consolidation of cabling equipment can help reduce global IT spending by $3 billion a year, and the 400 million feet of global data center cabling saved is enough to wrap around the Earth three times.

A simple and high-speed unified data center network is a cornerstone of Intel's Cloud 2015 vision and Open Data Center initiative, which were announced in October. Unified networking on 10GbE creates a simpler data center infrastructure that is easier to manage, yet can accommodate the heavy network traffic of the cloud.

"What's frustrating for IT managers is that most of the data center dollars are spent on infrastructure costs, not on innovation," said Kirk Skaugen, vice president and general manager, Data Center Group, Intel. "Expanding Intel Ethernet to include Open FCoE will help simplify the network and drive more of the IT budget toward innovation. We think IT departments can lower infrastructure costs by 29 percent, reduce power by almost 50 percent and cut cable costs by 80 percent by moving to a unified network."

Intel's Open FCoE integrates capabilities into the operating system to deliver full unified networking without the need for additional expensive, proprietary hardware. IT departments can use common management tools for server network and storage connectivity while integrating seamlessly with existing Fibre Channel environments.

"A unified fabric supports both compute and storage resources over a high-bandwidth transport to deliver greater data center efficiency, simplify management and can accelerate the deployment of virtualization and cloud-based services," said Soni Jiandani, vice

president of marketing, Server Access and Virtualization Technology Group, Cisco. "The Cisco Nexus 10 Gigabit Ethernet switches and the Cisco Unified Computing System servers both support Intel's Open FCoE 10 Gigabit Ethernet adapters to provide our customers with greater choice for cost-effective, scalable unified fabric access."

Intel has worked closely with key industry leaders to certify and ensure a strong ecosystem of compatible solutions. Companies supporting the Open FCoE solution include Cisco*, Dell*, EMC*, NetApp*, Oracle* and Red Hat*.

"Server virtualization and converged storage networking, based on a shared 10 Gigabit Ethernet fabric, are key ingredients for a cost-effective infrastructure," said Paul Brown, vice president and general manager, Storage Networking Business, EMC. "Achieving EMC E-Lab qualification is a gold standard in our industry for server, networking and storage interoperability. The extensive work done to qualify and validate the Intel Ethernet Server Adapter X520 will give our customers confidence that the product will integrate seamlessly with the EMC Symmetrix VMAX and EMC VNX family of storage products."

"Open FCoE fits well with Dell's delivery of open, capable, and affordable solutions because it utilizes components in the operating system to simplify the deployment and operation of converged networks," said Brian Payne, executive director, PowerEdge Marketing Group, Dell.

The Intel Open FCoE software stack is available as a free upgrade on existing X520 family products. Additional information about Intel's Ethernet and unified networking solutions can be found at www.intel.com/go/unifiednetworking.

About Intel

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