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Mellanox Releases New Automation Software to Reduce Ethernet Fabric Installation Time from Hours to Minutes

Virtual Modular Switch™ Wizard Management Software Automates the Planning, Installation and Validation of Ethernet Switch Fabrics

SUNNYVALE, Calif. & YOKNEAM, Israel--(BUSINESS WIRE)-- Mellanox® Technologies, Ltd. (NASDAQ:MLNX), a leading supplier of high-performance, end-to-end interconnect solutions for data center servers and storage systems, today announced the general availability of its Virtual Modular Switch (VMS) Wizard, a new automation software for planning, installing and validating Ethernet Switching fabrics.

Mellanox VMS is a high-port density, non-blocking, flexible and scalable data center aggregation switching solution constructed by connecting Mellanox's 40 and 56 Gigabit Ethernet systems. When compared to modular switches, VMS better scales to thousands of 10GbE or 40GbE nodes with low latency and best-in-class resiliency, while reducing capital expenses by up to 85 percent and power consumption by up to 90 percent.

As part of the Open Ethernet™ initiative, the new VMS Wizard software automates the entire process of design, ~~setp~~ and functional validation of the VMS. Through an easy-to-use graphical user interface (GUI) and simple user input such as the fabric size and the switches in use, the VMS wizard generates a connectivity recommendations plan. Once the switches are installed and connected, the VMS Wizard configures the fabric switches either through Puppet™ manifests or by Command Line Interface (CLI) commands. Last, the program performs physical layer 2 and layer 3 connectivity validations. Additional functionality integrated into the VMS Wizard is the configuration of high availability based on Multi-Chassis Link Aggregation (mLAG).

"Our customers who used the VMS wizard as part of their Ethernet fabric design and installation experienced shorter deployment times," said Gilad Shainer, vice president of marketing at Mellanox Technologies. "By leveraging the automation, advanced planning and fabric, the build-up process was very simple and potential connectivity or configuration errors were eliminated. As a result, the systems were ready faster for their users and enabled higher system return-on-investment."

Reinforcing its commitment to Open Ethernet, open source and Software Defined Networking (SDN), Mellanox enhanced Puppet's capabilities and contributed new configuration types to the developer's community such as OSPF and layer 3 interfaces. With the new configuration types, Puppet can be used for both L2 switching and scalable L3 switching fabrics.

The VMS Wizard is an open tool, which can be downloaded for free. The VMS Wizard can be installed on RedHat servers and requires Python and Puppet Enterprise environments. Mellanox's enhanced Puppet agent is available on the Puppet Forge.

Supporting Resources:

- Learn more about Mellanox's [10GbE](#) and [40/56GbE](#) interconnect solutions
- Learn more about Mellanox's [VMS solution](#)
- [VMS Wizard download page](#)
- [Mellanox Puppet agent](#)
- Learn more about [MLNX-OS Switch Software](#)
- Learn more about Mellanox's [Ethernet Switch Software Development Kit](#)
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About Mellanox

Mellanox Technologies is a leading supplier of end-to-end InfiniBand and Ethernet interconnect solutions and services for servers and storage. Mellanox interconnect solutions increase data center efficiency by providing the highest throughput and

lowest latency, delivering data faster to applications and unlocking system performance capability. Mellanox offers a choice of fast interconnect products: adapters, switches, software and silicon that accelerate application runtime and maximize business results for a wide range of markets including high performance computing, enterprise data centers, Web 2.0, cloud, storage and financial services. More information is available at www.mellanox.com.

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