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## **Mellanox Delivers InfiniBand and Ethernet CloudX™ Interconnect Cloud Solution at National Computational Infrastructure**

*National Computational Infrastructure selects Mellanox's End-to-End 40 Gigabit Ethernet and 56Gb/s InfiniBand Virtual Protocol Interconnect Solution to provide leading performance in an OpenStack-based cloud*

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 that the National Computational Infrastructure (NCI), hosted at the Australia National University, selected Mellanox's interconnect to support Australia's national research computing service which provides world-class, high-end services to Australia's researchers. Mellanox's interconnect solutions allow for faster inter-node connectivity and access to storage, providing Australian researchers and scientific research organizations with critical on-demand access to NCI's high-performance cloud.

The NCI deployment combines the Mellanox CloudX solution with Red Hat OpenStack software to support high performance workloads on a scalable and easy to manage cloud platform. CloudX simplifies and automates the orchestration of cloud platforms and reduces deployment time from days to hours. The NCI deployment is based on Mellanox 40/56 Gb/s Virtual Protocol Interconnect adapters and switches supporting both InfiniBand and Ethernet. The advanced NCI cloud also utilizes RoCE (RDMA over Converged Ethernet) to implement a full fat-tree Ethernet configuration on OpenStack.

"Selecting Mellanox for our high performance switching infrastructure has provided a flexible fabric, allowing us to take advantage of both high speed Ethernet and InfiniBand networking in the one solution," said Allan Williams, NCI associate director, services and technology. "Mellanox's professional services staff that assisted with installation were extremely knowledgeable and professional in the delivery of our solution."

"We are pleased to partner with the NCI as they build a scalable, world-class, and efficient cloud platform based on our CloudX interconnect," said Kevin Deierling, vice president of marketing at Mellanox Technologies. "NCI is the first CloudX deployment to take full advantage of RDMA, OpenStack plugins, and Hypervisors offloads delivered by our end-to-end 40GbE Ethernet and 56Gb/s InfiniBand interconnect solution."

"High performance, private research clouds like Australia National University's provide an early proof point where OpenStack deployments are showing compelling value," said Mike Werner, senior director, global ecosystems at Red Hat. "We are thrilled by Australia National University's early results with Red Hat Enterprise Linux OpenStack Platform and equally pleased that our continued collaboration with Mellanox is helping to further enterprise advancement and deployment for OpenStack in key areas like this one."

### **Supporting Resources:**

- Learn more about [Mellanox's complete FDR 56Gb/s InfiniBand solution](#)
- Learn more about [Mellanox's complete 40/56GbE solution](#)
- Follow Mellanox on [Twitter](#), [Facebook](#), [Google+](#), [Linked-In](#), and [YouTube](#)
- [Join the Mellanox Community](#)

### **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, cables 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](http://www.mellanox.com).

### **About National Computational Infrastructure (NCI)**

NCI, as Australia's national research computing service, provides world-class, high-end services to Australia's researchers, the primary objectives of which are to raise the ambition, impact, and outcomes of Australian research through access to advanced computational and data-intensive methods, support, and high-performance infrastructure.

Supported by the Australian Government's National Collaborative Research Infrastructure Strategy (NCRIS), NCI operates as a formal Collaboration of The Australian National University, CSIRO, the Australian Bureau of Meteorology and Geoscience Australia, together with partnerships with a number of research-intensive universities, supported by the Australian Research Council. <http://www.nci.org.au>

### **About Red Hat**

Red Hat is the world's leading provider of open source software solutions, using a community-powered approach to reliable and high-performing cloud, Linux, middleware, storage and virtualization technologies. Red Hat also offers award-winning support, training, and consulting services. As the connective hub in a global network of enterprises, partners, and open source communities, Red Hat helps create relevant, innovative technologies that liberate resources for growth and prepare customers for the future of IT. Learn more at <http://www.redhat.com>.

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