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Mellanox Delivers Superior Interconnect Solution for Open Platform for Database-as-a-Service (DBaaS) on IBM Power Systems

Optimized Platform Addresses Massive Data Requirements for Cognitive Era

SUNNYVALE, Calif. & YOKNEAM, Israel--(BUSINESS WIRE)-- Mellanox Technologies, Ltd. (NASDAQ:MLNX), a leading supplier of high-performance, end-to-end smart interconnect solutions for data center servers and storage systems, today announced support for the new Open Platform for Database-as-a-Service (DBaaS) on IBM Power Systems.

"As the need for new applications to be delivered faster than ever increases in a digital world, developers are turning to modern software development models including DevOps, as-a-Service and self-service to increase the volume, velocity and variety of business applications," said Terri Virnig, VP, Power Ecosystem and Strategy at IBM. "With Open Platform for DBaaS, IBM is supporting these cloud development models to provide complete control of data, access and security for compliance, as well as the choice and flexibility for agile development of innovative new applications."

In the Cognitive Computing era, businesses face a deluge of data from a wide variety of sources including internal, external, social, mobile, and sensors. Traditional enterprise computing, with its reliance on conventional databases designed for structured data, is unable to cope with this flood of data. Organizations everywhere are modernizing their data platforms, using the entire range of available technology to derive patterns and insights from both structured and unstructured data. Next generation applications based on open source technology, in particular open source databases, are critical for this modernization.

"Companies must undergo digital transformation in order to compete and lead in the data-driven Insight Economy, and open source economics and innovation are speeding this digital transformation," said Kevin Deierling, vice president marketing, Mellanox Technologies. "Open Database-as-a-Service has proven to be one of the most efficient ways to meet today's business requirements including high performance, high availability, and scalability at a lower cost of ownership. In order to achieve these goals, it is critical to choose the right interconnect solution."

DBaaS has a number of advantages over traditional databases. First, it delivers improvement in speed and agility, as today's cloud workloads require on-demand and agile provisioning of databases. Second, Open DBaaS results in a significant reduction in licensing and infrastructure costs. Finally, database sprawl, generated by the hundreds or thousands of unutilized databases that have accumulated over the years in organizations, is eliminated.

The solution is ideal for developers who need fast, flexible, and secure performance and reliability as they work on multiple applications using multiple operating systems and databases. DevOps and Operations staff need a span of control to allocate database services, and CIO/CTO executives need to optimize return on investment. Modern and mature open source DBaaS such as EnterpriseDB and MongoDB are hardened for enterprise deployments and have innovative new capabilities beyond those of traditional enterprise databases. For example, healthcare organizations are using MongoDB to build new customer call-center applications that combine traditional patient billing data with new data formats such as MRIs and lab test results and text data from specialist appointments. These new call centers are significantly reducing patient wait times and improving quality of care. Other organizations are using open source database management systems to combine GPS location data with real-time social media and video feeds with their own data to offer public transportation alternatives during peak travel times.

Open Platform for DBaaS on IBM Power Systems is an open source-based platform that integrates servers, intelligent interconnect, storage, operating systems, middleware, and databases, and disrupts conventional x86-based systems with demonstrable price-performance advantages.

The exponential growth of data demands not only the fastest throughput but also smarter networks. Mellanox intelligent interconnect solutions incorporate advanced acceleration engines that perform sophisticated processing algorithms on the data as it moves through the network. Intelligent network solutions greatly improve the performance and total infrastructure efficiency of data intensive applications.

Supporting Resources:

- Learn more about: [Open Power for DBass](#)
- Follow Mellanox on [Twitter](#), [Facebook](#), [Google+](#), [LinkedIn](#), and [YouTube](#)
- [Join the Mellanox Community](#)

About Mellanox

Mellanox Technologies (NASDAQ:MLNX) is a leading supplier of end-to-end InfiniBand and Ethernet smart 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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