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Mellanox FDR 56Gb/s InfiniBand Accelerates the Fastest Supercomputer in India

Mellanox FDR 56Gb/s InfiniBand solution provides India's scientists with unprecedented application performance for groundbreaking research and development

SUNNYVALE, Calif. & YOKNEAM, Israel--(BUSINESS WIRE)-- Mellanox® Technologies, Ltd. (NASDAQ: MLNX) (TASE: MLNX), a leading supplier of high-performance, end-to-end interconnect solutions for data center servers and storage systems, today announced that India's Centre for Development of Advanced Computing (C-DAC) utilizes Mellanox's end-to-end FDR 56Gb/s InfiniBand solution to provide leading server and storage application performance for PARAM Yuva — II; India's fastest supercomputer. C-DAC is the premier R&D organization of the Department of Electronics and Information Technology (DeitY), Ministry of Communications & Information Technology (MCIT) for carrying out R&D in IT, electronics and associated areas.

Launched on February 8th, PARAM Yuva — II provides more than half a Petaflop of raw compute power using hybrid compute technology with compute co-processor and hardware accelerators. C-DAC chose Mellanox's robust, high-speed interconnect solution due to its performance, scalability, low power consumption, and high-efficiency data handling.

"C-DAC's HPC programs are focused towards creating an eco-system to derive full benefits from HPC systems to address grand challenge problems and advancing fundamental science, research and industrial competitiveness," said Dr. Pradeep Sinha, Senior Director, High Performance Computing at C-DAC. "Utilizing Mellanox FDR 56Gb/s InfiniBand interconnect solutions, the new PARAM Yuva — II cluster can provide our users with superior application performance to further research and development."

"Providing India's scientists with more computing power to conduct research will lead to more scientific breakthroughs for the nation and the rest of the world," said Marc Sultzbaugh, senior vice president of worldwide sales at Mellanox Technologies. "Our FDR InfiniBand solution provides India's scientists with the performance, scalability and efficiency needed to meet the requirements of research workloads and simulations today and into the future."

The cluster was built in conjunction with Netweb Technologies using Tyrone-based servers.

Supporting Resources:

- Learn more about Mellanox's FDR 56Gb/s InfiniBand [adapters](#), [switches](#), [management software](#), [acceleration software](#) and [cables](#)
- Follow Mellanox on [Twitter](#) and [Facebook](#)

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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Mellanox Technologies, Ltd.

Press/Media Contact

Waggener Edstrom

Ashley Paula, +1-415-547-7024

apaula@waggeneredstrom.com

or

USA Investor Contact

Mellanox Technologies

Gwyn Lauber, +1-408-916-0012

gwyn@mellanox.com

or

Israel Investor Contact

Gelbart Kahana Investor Relations

Nava Ladin, +972-3-6074717

nava@gk-biz.com

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