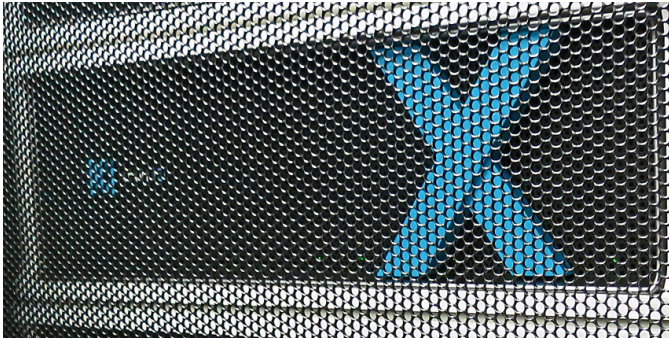# EMC Shows off All-Flash Storage

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EMC has a fairly interesting demo at VMworld 2012-- "Project X," the first all-flash storage array from the company.

Project X is the first product (developed in stealth mode) from recent EMC acquisition XtremIO.

According to EMC Project X is a scalable storage array built in MLC flash. Based on commodity server hardware, it includes a full range of storage features, including real-time inline deduplication, clones from snapshots, thin provisioning and VMware API (VAAI) support.

The system includes dual-storage processors (with no single point of failure) and offers four 8-gig fibre channel ports and the same amount of 10-gig ethernet connections.

The VMworld demo has a cluster of four arrays producing up to 400000 IOPS during OLTP queries, and a million IOPS when performing random reads.

Minimum configuration is set as a 4U node, with two active/active controllers and 7TB of MLC flash storage. EMC still has to announce any possible channel programs, certification and training.

Go EMC