

About ATTO Technology, Inc.

ATTO Technology, Inc. is a global leader of storage and network connectivity and infrastructure solutions for data-intensive computing environments. ATTO provides a wide range of end-to-end solutions to better help customers store, manage and deliver their data. With a focus toward markets that require higher performance, ATTO manufactures host adapters, RAID adapters, network adapters, storage controllers, Thunderbolt-enabled Desklink Devices, switches and software.

About Dell

Dell Inc. listens to customers and delivers innovative technology and services that give them the power to do more. For more information, visit www.dell.com.

About Nexenta

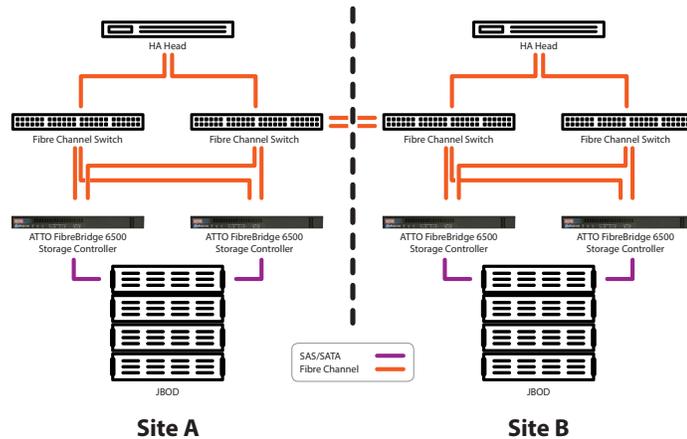
Nexenta is the global leader in Software-Defined Storage. Nexenta uniquely integrates software-only "Open Source" collaboration with commodity hardware-centric "Software-Defined Everything" innovation via its industry-leading OpenSDx vision. Nexenta solutions are 100% software-based and 100% hardware-, protocol-, and app-agnostic. Nexenta provides organizations with the "true" benefits of Software-Defined Data Center-centric Cloud Computing. Nexenta enables everyday apps from rich media-driven Social Living to Mobility; from the Internet of Things to Big Data; from OpenStack and CloudStack to Do-It-Yourself Cloud deployments; from Private to Public to Hybrid Clouds. Founded around an "Open Source" platform and industry-disrupting vision, Nexenta delivers its award- and patent-winning software-only unified storage management solutions with a global partner network.



MetroHA Stretch Cluster

A Multi-Data Center Solution

A Stretch Cluster is a cluster configured with host systems located at multiple sites. These may be on different floors of a data center, different buildings on a campus or at multiple metropolitan sites located hundreds of kilometers apart. The high availability and data mobility that stretch clusters provide make them one of the most reliable and flexible solutions that IT administrators can implement to shuttle data between multiple sites. Other benefits of stretch clusters include disaster recovery and downtime avoidance.



NexentaStor MetroHA combines a synchronous storage solution with ZFS end-to-end data integrity. In the event of a total site disruption, data services are restored at the secondary location or remote site within a matter of seconds.

High Availability, Zero Downtime

Stretch clusters are often used when there is a need to load balance on-site or between two sites. If a failure occurs at one site, there is continued workload availability and disaster recovery can be carried out from the second. It is important to have reliable, predictable, low latency links between sites in a stretch cluster. ATTO's FibreBridge Storage Controller family, a proven solution in stretch cluster environments, provides that connectivity.

Lower TCO, Protect Data

When Fibre Channel disk storage was prevalent, native vendor-specific Fibre Channel storage enclosures with built-in Fibre Channel-to-SAS bridges were typically used for stretch clusters. But a problem with that approach was that TCO ended up being relatively high compared with solutions that use modular, off-the-shelf components. ATTO's FibreBridge Storage Controllers are building blocks that add Enterprise Fibre Channel connectivity to up to 10 shelves of low cost SAS/SATA drives. When paired with standard JBOD enclosures, the FibreBridge represents a foundational data center component—one that companies can use to architect stretch cluster solutions.

Software Synchronicity: NexentaStor MetroHA

NexentaStor MetroHA provides a synchronous storage solution with the ability to store data on two disparate sites. NexentaStor MetroHA combines a synchronous storage solution with ZFS end-to-end data integrity. This provides a solution with the best possible uptime but also ensures data integrity when transferred over the WAN. Depending on implementation topology, Nexenta can simplify the design, deployment, and maintenance of data center, campus or metropolitan-wide high availability solutions.

Solution Components

- ATTO FibreBridge 6500 Storage Controller
- Software: Nexenta NexentaStor with MetroHA plugin
- Server: Dell R720 and R730
- Storage: Dell MD1200 and MD1400