

Workgroup applications including media production, CAD/CAE, digital prototyping, energy, financial, scientific and research all benefit from fast, low-latency access to high-performance storage. But the workflow for these applications can extend across multiple sites, each requiring access to the same data. There is also a need to integrate workgroups with an organization's standard IT infrastructure, both to prevent storage silos and enable offsite replication for load balancing and downtime avoidance.

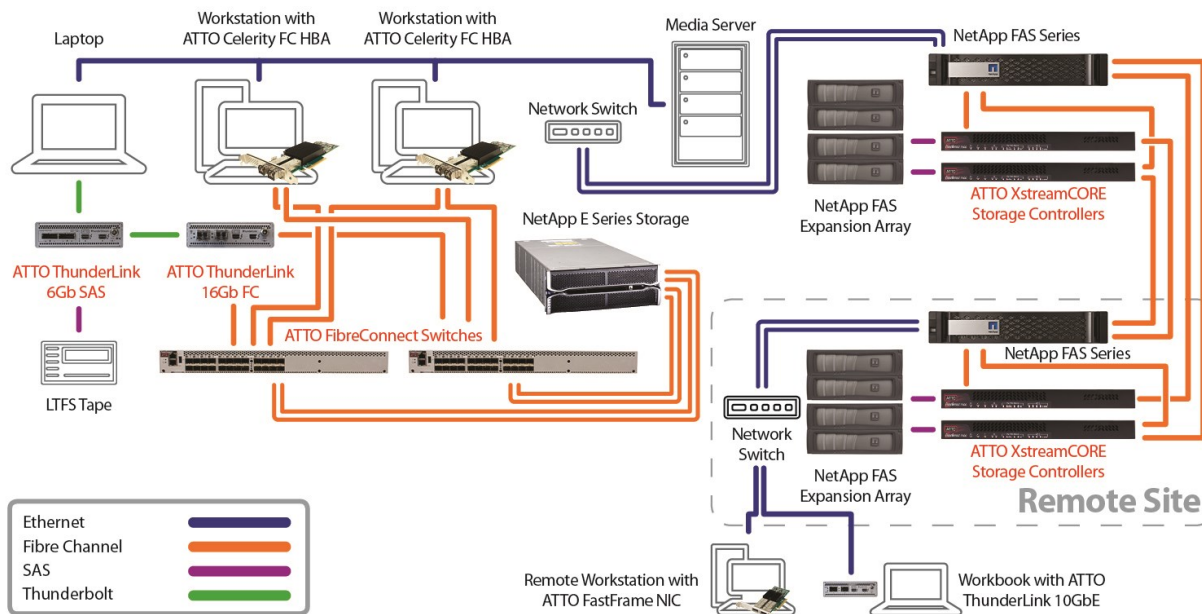
SOLUTION OVERVIEW

A joint architecture comprised of ATTO Technology Inc.'s network and storage connectivity products with NetApp FAS and E Series arrays provides a powerful solution to extend the performance capabilities of workgroups. Benefits of the solution include:

- Workgroup integration with on-site and remote data centers for failover and load balancing
- Replication with rapid provisioning
- Increase of storage utilization through stretch clustering
- Downtime avoidance and disaster recovery
- Heterogeneous OS support for workgroup clients

WHY CHOOSE ATTO?

- **Workstation and Server Support** - ATTO Technology Inc. is the only host bus adapter (HBA) manufacturer to allow direct connectivity to both servers and workstations, enabling a heterogeneous solution. ATTO's Celerity™ Fibre Channel HBAs with MultiPath Director™ technology improve the performance and reliability of NetApp enterprise storage systems running high-performance workstation applications on Mac OS® X, Windows® and Linux® workstations and servers. Mac, Windows and Linux clients running different applications can collaborate on shared storage. As a pioneer in iSCSI, ATTO's FastFrame™ Ethernet family has been designed for the more rigorous data transfer and reliability standards required for storage interconnect.
- **Technical Collaboration** - ATTO and NetApp engineering teams work closely together to ensure effective testing, optimization and performance tuning.
- **Support** - ATTO and NetApp both offer installation assistance and technical support through every step of the solution implementation.
- **A Complete Portfolio** - ATTO provides all the necessary storage and network connectivity, from workgroup to enterprise, for your infrastructure, with products designed and optimized to work together.



ATTO and NetApp

END-TO-END ARCHITECTURE FOR WORKGROUP-THROUGH-ENTERPRISE INFRASTRUCTURES

ABOUT ATTO TECHNOLOGY

ATTO Technology Inc. is a global leader of storage connectivity and infrastructure solutions for data-intensive computing environments. ATTO provides solutions that help customers store, manage and deliver data more efficiently. Visit www.attotech.com/solutions/NetApp for more information.

ABOUT NETAPP

NetApp creates innovative storage and data management solutions that accelerate business breakthroughs and deliver outstanding cost efficiency. Discover NetApp's passion for helping companies around the world go further, faster at www.netapp.com.

ATTO/NETAPP INTEROPERABILITY

Celerity Fibre Channel HBAs, FastFrame NICs and ThunderLink® Thunderbolt™ devices have been tested by NetApp with the FAS and E-Series Enterprise storage systems. They provide high-performance connectivity and allow workstations and servers to take advantage of the high-availability features of NetApp storage. ATTO storage controllers are integrated with NetApp MetroCluster business continuity products.

	16Gb Fibre Channel 164E Quad Channel 162E Dual Channel 161E Single Channel FC 2162 Dual channel Thunderbolt	8Gb Fibre Channel 84EN Quad Channel 82EN Dual Channel 81EN Single Channel FC 2082 Dual Channel Thunderbolt	10Gb Ethernet NS14 Quad Port NS12 Dual Port NS11 Single Port NS2101 Single Port Thunderbolt NS 2102 Dual Port Thunderbolt NT12 Dual Port NT11 Dual Port NT 2102 Dual Port Thunderbolt	Storage Controller 6500N 7500N
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FAS Series

FAS 2000 FAS 2500 FAS 3000 FAS 6000 FAS 8000	HBAs Windows®, Linux®, Mac OS® X ThunderLink Windows, Mac OS X	HBAs Windows, Linux, Mac OS X ThunderLink Windows, Mac OS X	HBAs Windows, Linux, Mac OS X ThunderLink Windows, Mac OS X	Minimum Data ONTAP 8.1
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E Series

E2600 E2700 E5400 E5434 E5460 EF540 E5500 EF550	HBAs Windows, Linux, Mac OS X ThunderLink Windows, Mac OS X	HBAs Windows, Linux, Mac OS X ThunderLink Windows, Mac OS X	HBAs Windows, Linux, Mac OS X ThunderLink Windows, Mac OS X	N/A
E5600 EF560	HBAs Windows, Linux, Mac OS X	HBAs Windows, Linux, Mac OS X	HBAs Windows, Linux, Mac OS X	N/A

For further details please visit attotech.com/support/interoperability or the NetApp Interoperability Matrix.

