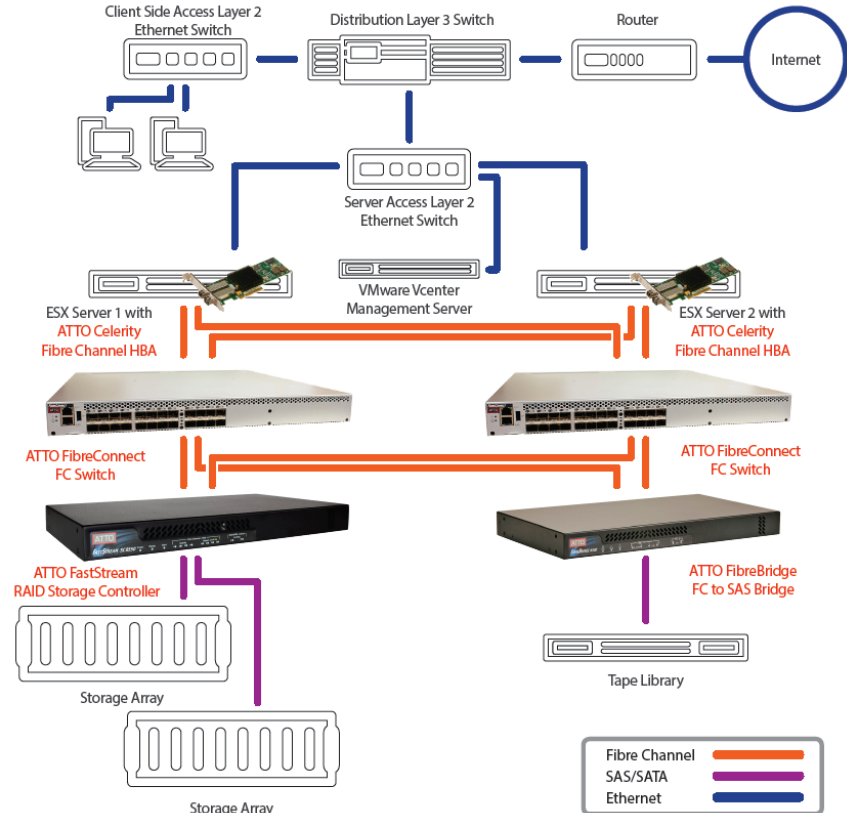


Case Study

ATTO

- **Customer Environment**
 - Small-Medium Size Manufacturing Business
 - Supporting 200+ client machines
- **Customer Problem**
 - IT team = many responsibilities & limited bandwidth
 - Outdated servers that need to be replaced
 - Need to keep users online
- **Solution Criteria**
 - Cost effective SAN solution
 - Minimize downtime
- **Solution Implemented**
 - ATTO FibreConnect Switch
 - ATTO FastStream SC RAID Storage Controller
 - ATTO Celerity Fibre Channel HBAs
 - 10 virtual servers
 - 12 TB of storage
- **Results**
 - “Performance is seamless”
 - Eliminated 16 physical servers
 - More energy efficient
 - Reduced IT workload significantly
 - Tripled overall performance



ATTO Fibre Channel Solutions

ATTO



ATTO FibreBridge™ Fibre Channel-to-SAS Intelligent Bridge

Connect SAS/SATA Disk & SAS Tape to a Fibre Channel SAN

- Patented Drive Map Director™ provides logical, static topology to reduce downtime or reconfiguration
- Virtual Drive Response (VDR) allows devices to queue commands on behalf of busy or unresponsive tape storage, reducing the number of failed or incomplete backups
- Adds Enterprise-class management and monitoring features to direct attached storage



ATTO FastStream™ Fibre Channel-to-SAS RAID Storage Controller

Significant performance gains in data center

- Data is protected with ATTO's RAID technology using standard SAS or SATA JBOD storage arrays
- DriveAssure™ repairs drives to prevent premature drive failures and slowdowns to maximize system uptime with 100% throughput even during rebuilds
- Efficiently provides access to a large number of VM's when accessing the same storage pool



ATTO FibreConnect™ 16Gb Fibre Channel Switch

Delivers unique capabilities and advantages to meet the evolving requirements of today's data center

- Supports multitenancy in virtual environments through Virtual Fabrics, QoS and Fabric-based zoning features
- Simplifies server connectivity and SAN scalability by offering dual functionality as either a full-fabric SAN or as a NPIV-enabled Access Gateway
- Innovative diagnostic, monitoring, and management capabilities help administrators maximize application performance, and reduce operational costs

Fully tested & certified with Emulex HBAs to provide end-to-end 16Gb Fibre Channel Solutions