

### Key Benefits

#### Flexible Deployment Options

Purchase E8 Storage Software separately or integrated into an E8 Storage system

#### Tunable Storage Performance

Unleash the performance of NVMe SSDs, E8 Storage Software performance scales with the quantity of drives installed

#### High Scalability to Fit Your Needs

Connect hosts to multiple E8 Storage controllers for petabyte scalability

#### Investment Protection

Start small and easily add additional storage appliances when needed

#### Built on Industry Standards

Support for high speed Ethernet and InfiniBand as well as standard 2.5" NVMe SSDs from industry leaders

#### Ideal for Mission Critical Workloads

- Real-time Analytics
- Financial / Trading Applications
- Business Intelligence
- Transactional Processing



## E8 Storage High Performance Software

### Unlocking NVMe Performance for Data Hungry Applications

Mission critical applications such as real-time analytics, business intelligence and transaction processing require high performance with very low latency to meet the needs of today's businesses. As the first centralized NVMe storage solution in the industry, E8 Storage delivers high performance, low latency storage and simplified storage management without compromising on reliability, availability or scalability.

#### ★ The E8 Storage Difference

E8 Storage has developed a revolutionary storage architecture that meets the demands of mission critical customer applications. E8 Storage's patented software architecture was built from the ground up to leverage NVMe, the only protocol designed exclusively for solid state storage.

The key to performance and scalability is the separation of control and data path operations between the E8 Controller software and the host-side E8 Agents. The E8 Controller software provides centralized control and management, while the E8 Agents manage data path operations with direct access to shared storage volumes.

The E8 Storage system scales up to 126 host servers per E8 Controller, each connected concurrently to shared storage. With support for shared read / write volumes, applications can be deployed with the performance acceleration of clustered parallel databases and file systems.

#### ✓ High Availability / Reliability

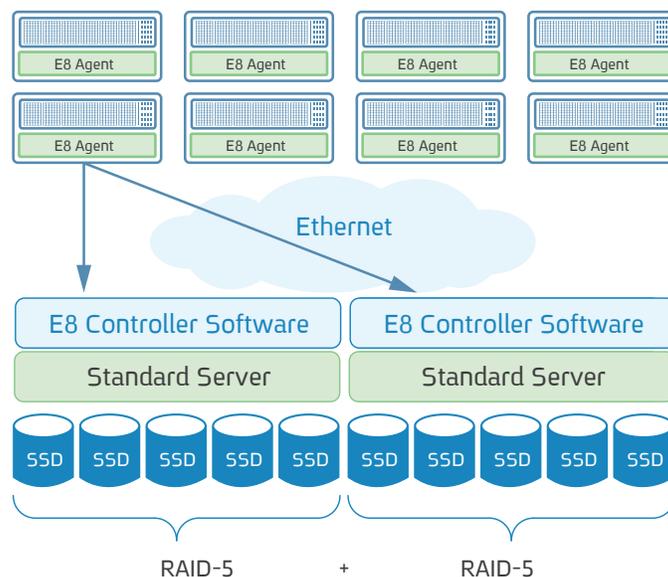
The E8 Storage software architecture was designed for high availability, with data protection and disaster recovery features essential for today's data centers. The host-side E8 Agents operate independently of other agents in the E8 Storage System, performing data path operations for that host only. If any host server loses access to the E8 Controller, there is no impact to the availability of the data stored on the E8 Controller, and remaining host servers continue operations with no performance impact.

There are multiple layers of protection against hardware failures. Distributed RAID protects against drive failures, with each E8 Agent contributing to RAID parity calculations to boost system performance. The E8 Controller software is deployed on industry standard servers in pairs, with the E8 Agent software managing writes to multiple controllers to provide disaster recovery capabilities.

## Scalable Deployment Options

E8 Storage Software offers flexible deployment options which can be tailored to the needs of the enterprise. For data centers with specific server requirements, E8 Controller Software has the flexibility to be deployed on most standard servers with NVMe SSDs inside. Performance is tunable, with throughput scaling up to match the quantity of SSDs per server.

With simple connectivity via Ethernet or InfiniBand, more servers with E8 Controller software can be added to the network seamlessly and new storage capacity provisioned to host servers without impacting host availability. E8 Agents can access storage volumes from multiple E8 Controller servers, enabling capacity scaling into the petabyte range.



## E8 Controller server requirements

E8 Storage Software performance is tunable, and will scale up to the maximum performance potential of the underlying hardware. The servers must be populated with NVMe drives only. For the most up to date list of supported and recommended servers, please go to our website, [www.e8storage.com](http://www.e8storage.com).

	Minimum Required	Recommended
<b>CPU Type</b>	Intel® Xeon® Silver Processor or better, at least 8C / 2.0GHz per CPU	Intel® Xeon® Silver 4116T Processor
<b>CPU Quantity</b>	Dual CPU	Dual CPU
<b>Memory</b>	32GB	64GB or above
<b>SSDs</b>	6 or more NVMe U.2 SSDs	10-24 x NVMe U.2 hot-swappable form factor
<b>Boot drive</b>	128GB SSDs	2 x 128GB M.2 SSDs with RAID-1
<b>RDMA Enabled Network Adapter</b>	2 x 40GbE Ports 2 x 56Gb/s IB Ports	2 x 100Gb/s ports, Ethernet or IB Mellanox ConnectX-4 or better
<b>Operating System</b>	RHEL or CentOS 7.3 and above	

### Host server requirements

- Operating system: RHEL or CentOS 6.7 and above or 7.1 and above; Ubuntu 14 and above; SLES 12 and above; Debian 8.6 and above.
- Network interface card: RDMA Enabled Network Adapter, 10GbE and above, 10Gb/s IB and above.

E8 Storage is a pioneer in shared accelerated storage for data-intensive, high-performance applications that drive business revenue. E8 Storage's affordable, reliable and scalable solution is ideally suited for the most demanding low-latency workloads, including real-time analytics, financial and trading applications, transactional processing and large-scale file systems. Driven by the company's patented architecture, E8 Storage's high-performance shared NVMe storage solution delivers 10 times the performance at half the cost of existing storage products. With E8 Storage, enterprise data centers can enjoy unprecedented storage performance density and scale, delivering NVMe performance without compromising on reliability and availability.