



# ZADARA AND MELLANOX DELIVER ROCKET SPEED CLOUD STORAGE TO ENTERPRISE

Businesses that use Zadara and Mellanox are flying past their competition because they are now focusing on their core competencies, confident that their valuable data is securely working for them.

With the Zadara and Mellanox “Plug ‘n Store” approach, departments and platforms within our customers’ businesses are clamoring to hook up and use this amazing cloud storage. No other solution provides all three major storage types in one robust on-demand bundle.

No more waiting for months to grow the platform—just plug in and start using. Here are some examples of how our customers are using their high performance, isolated object and block and file volumes for databases, files and logs;

- **BSS** - Business Support System
- **OSS** - Operating Support System
- **Virtual Infrastructure** - VMware, OpenStack, HyperV - for server consolidation and VDI
- **Artifactory** - Managing vendor software, versioning and releases
- **File Shares** - NFS / SMB
- **Email** - Mailbox Storage
- **Big Data & Analytics** - Single Apps and Spark / Hadoop Scale
- **DR** - Site-to-site Snapshots
- **Multi-zone, Geo-redundant** - Mass Object Storage for SaaS Content and Backups

## CHECK OUT THIS UNBEATABLE LINE-UP:

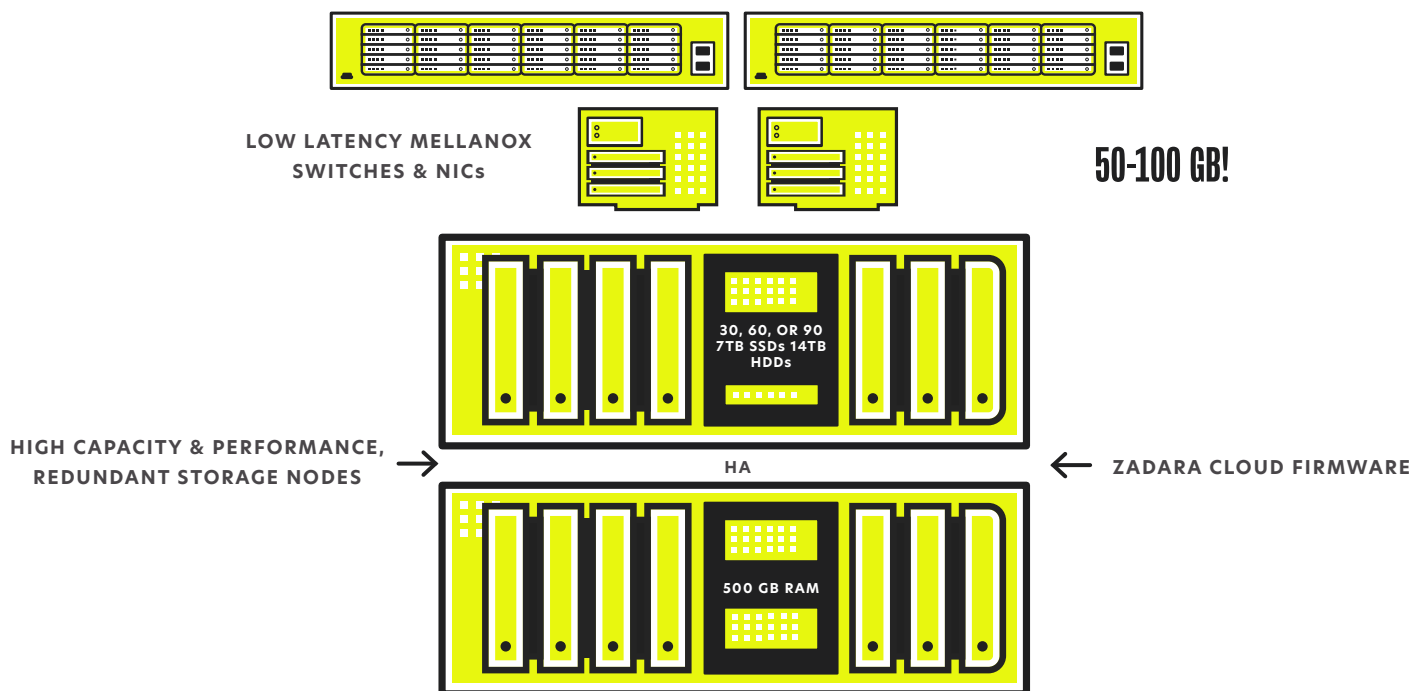
- Rocket Speed
- On-Premise
- In-Cloud
- Hybrid
- Small to Massive Scale
- Rock-solid Certified Solution
- Guaranteed Uptime
- Fully Supported 24/7
- Block Storage
- File Storage (NFS / SMB)
- Object (S3 / Swift)
- Docker

## WHY DOES THIS MATTER?

- Work faster & smoother
- Reduce bottlenecks
- Greatest Cost-performance

## HOW TO BUILD ROCKET SPEED STORAGE

Although you won't need to think about the storage parts again, we want to show you one last time what makes this such a special collaboration.



## ZADARA CAPABILITIES

Zadara Storage provides high-performance, highly-available block, file and object storage through its patented, software-defined Virtual Private Storage Arrays (VPSA™). A VPSA has its own resources—dual controllers and a choice of storage devices—and is connected to standard x86 servers using iSCSI or NFS over a 25, 40, 50 or 100G Ethernet fabric. Dedicated VPSAs can be created by different users for specific applications. In this scale-out multitenant architecture, Zadara Storage can scale to petabytes of storage and support hundreds of applications.

As an enterprise-class storage solution, Zadara Storage offers features such as active-active failover, snapshot, cloning, replication, remote mirroring, data protection, and encryption.

In addition, to take advantage of commodity hardware, the Zadara solution supports data reduction techniques such as thin provisioning to achieve greater cost efficiency.

Zadara Storage is designed to deliver guaranteed performance and service levels to individual applications. VPSAs are defined and managed by software so that the storage device mix is tailored to the individual customer demand – both workloads and budget. Zadara Storage can service both demanding workloads as primary storage and backup and repository workloads as secondary storage. VPSAs for different workloads are isolated from each other.

## MELLANOX MAGIC

Guaranteed high performance of a scale-out storage solution depends on a reliable, high performance network. Mellanox High Bandwidth (25, 40, 50 & 100G) Ethernet switches and network adapters deliver the guaranteed networking performance for Zadara Storage. Workloads demanding ultra-low latency are further accelerated by using iSER (iSCSI Extensions for RDMA) and NVMe-oF (NVMe over Fabrics) protocols over RoCE (RDMA over Converged Ethernet) capabilities in the Mellanox solution.

Spectrum switches optimize RoCE performance with advanced congestion control and prevention of congestion spreading. In addition, its WJH (What Just Happened) network telemetry feature enables real-time monitoring of RoCE and TCP storage data flows.

### **The Mellanox Ethernet solution delivers the following benefits:**

- Small footprint: two 16-port switches side-by-side in 1RU
- Simple to use and flexible for various configurations: ports support 10/25/40/50/100G, with the option to scale from 16 x 40/100G ports to 64 10/25G ports in the same switch with splitter cables
- Advanced congestion notification and superior buffer management for both RoCE and TCP-based data flows
- Easy, one-click RoCE configuration and extensive visibility for monitoring and troubleshooting
- Best price/performance Ethernet solution – Best performance/latency, compact design, and low power consumption, improving rack and server efficiency, thereby reducing the TCO

With Mellanox's end-to-end networking solution and RoCE support, Zadara has seen improved latency, IOPS and throughput – 3X internode performance gain and 10X end-to-end performance improvement.

## ABOUT MELLANOX

Mellanox Technologies is a leading supplier of end-to-end Ethernet interconnect solutions and services for enterprise data centers, Web 2.0, cloud, storage and financial services.

More information is available at [www.mellanox.com](http://www.mellanox.com).

## ABOUT ZADARA

Storage Zadara Storage offers enterprise storage-as-a-service, delivering high performance, highly available file and block storage. The company's patented software-defined Virtual Private Storage Arrays™ (VPSA™) delivers flexible multi-tenant enterprise SAN and NAS technology for petascale primary and secondary storage.

Visit [www.zadarastorage.com](http://www.zadarastorage.com)