

# Solution Brief



## **NGX STORAGE and MELLANOX**

Redefine Next Generation Datacenters



## A PERFECT SOLUTION FOR YOUR DATACENTER WORKLOADS

NGX Storage provides highly scalable, cache centric hybrid and all-flash products for next generation datacenter storage. With its built-in unified architecture, NGX Storage serves block, file and object data simultaneously to achieve various datacenter workloads including; server and desktop virtualization, cloud computing, data warehousing, business intelligence, big data, real time analytics and databases as well as backup and disaster recovery operations.

Mellanox Ethernet switch and NIC solutions simplify the deployment and management of ultra-low latency and high-speed networking in the datacenter. Mellanox Ethernet switches offer high performance which allows storage performance to scale linearly and predictably. They deliver low latency with no jitter, at any packet sizes and network speeds, and have fair bandwidth allocation using any port configuration. Innovative designs allow support for many different speeds and configurations, including a 1RU high, half-width switch ideal for building highly-available storage clusters.

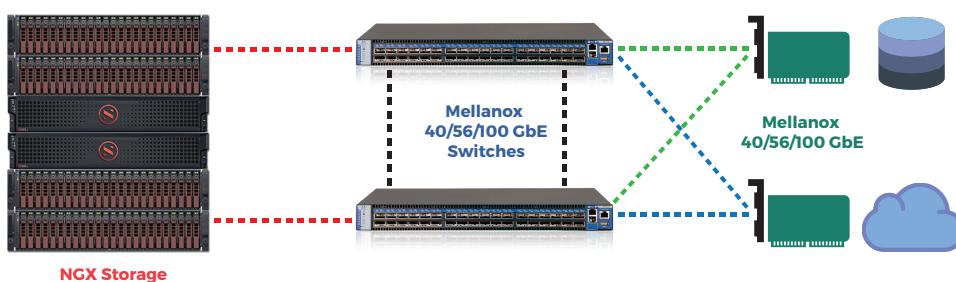
## SOLUTION OVERVIEW

Enterprise datacenters are experiencing massive data growth due to sophisticated users and new applications today. According to IDC, digital data is doubling in every two years and this growth will continue at astounding rates. At this point, businesses need highly responsive, rapid and flexible to support these IT requirements while maintaining operational cost and complexity. A unified storage which works with your existing applications and supports new technologies help companies meet data growth challenges and stay competitive in the business.

With Mellanox and NGX Storage, it is always simple and efficient to employ latest technologies to build next generation comprehensive and simple data center solutions.

## NGX STORAGE AND MELLANOX BENEFITS

- **Cost effective in every way:** NGX Storage is true unified storage and supports high-speed ethernet connections to serve iSCSI, NFS, CIFS, SMB and Object protocols. You don't have to rely on expensive and complex FC solutions anymore.
- **Petabyte scale flash storage:** NGX Storage provides petabyte scale capacity, more than 10M IOPS, less than 1ms latency and best TCO in All-Flash arrays.
- **Lossless, high-performance network for ultra-fast storage:** Storage traffic requires high-speed, low-latency and reliable lossless interconnectivity. Mellanox switches and NIC's are the best in-class
- **Automated networking management:** Mellanox Ethernet switch solutions provides network provisioning and monitoring capabilities with REST-based management API's to integrate existing management software easily.
- **Optimal datacenter efficiency :** NGX Storage and Mellanox products reduces the datacenter footprint more than %75 in terms of rack space and power consumption.



Reach groundbreaking performance with Mellanox backed NGX Storage and redefine your next generation datacenter.

## KEY BENEFITS FOR BUSINESS IT

- Up to 30X faster time to value from concept to production
- Eliminate underutilized infrastructure silos, using up to 80% less space and 50% lower CapEx
- Achieve high storage performance for various workloads including cloud, database and big data.
- Cost-effective storage interconnectivity, groundbreaking 100GbE performance.
- Unique port count – Two Mellanox switches fit in a 1RU space in 19" rack
- Improved performance: Class leading forwarding rate at all packet sizes and extremely low latency

## ABOUT NGX STORAGE

NGX Storage delivers unified all-flash and hybrid storage solutions for enterprises as a key enabler to build next generation datacenters. With NGX Storage, customers benefit from simple deployment, high performance, scalability and interoperability.

Learn more about on [www.ngxstorage.com](http://www.ngxstorage.com)

Follow us, Twitter [@ngxstorage](https://twitter.com/ngxstorage)

## ABOUT MELLANOX

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

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

### Technical Resources

For additional product information and use cases on Mellanox Ethernet switches, see [http://www.mellanox.com/page/ethernet\\_switch\\_overview](http://www.mellanox.com/page/ethernet_switch_overview)

To find more information about the NXG Storage solutions, see <http://www.ngxstorage.com>

Hacettepe Teknokent Safir C Blok: 103 Ankara / Turkey

T: +90 312 227 04 74

[info@ngxstorage.com](mailto:info@ngxstorage.com)

[www.ngxstorage.com](http://www.ngxstorage.com)