

# CirraStor™ Petascale Storage Appliances

**With the amount of data stored doubling every two years**, and the energy required to store that data exceeding 40% of data center power consumption, enterprises, universities and government organizations have a critical need for massively scalable storage solutions that are highly efficient, easy to manage and cost effective.

So why do these same organizations continue to purchase outdated rackmount storage that is outrageously expensive, inefficient and inflexible? At Cirrascale, we believe it's time to Question the Status Quo!

Cirrascale CirraStor™ Petascale Storage Appliances are designed from the ground up to meet today's demanding scale out storage requirements. Leveraging Cirrascale's breakthrough Vertical Cooling Technology™, CirraStor blade-based appliances deliver the highest performance, density, and flexibility with the lowest power utilization in the industry. To easily configure and scale multi-tiered storage arrays, CirraStor appliances employ the powerful NexentaStor™ ZFS file system. Best of all, these benefits come in a standard rack footprint and work in all data center environments without requiring any changes to the existing infrastructure.

CirraStor appliances are designed to be configured for a broad range of storage workloads — from high-availability SAN and iSCSI solutions for public and private cloud applications to large pools of unstructured data in low cost NAS and DAS deployments. In these environments, applications and storage are converging. Cirrascale's standards based compute and storage technology takes this convergence to the ultimate endpoint by moving the application server closer to the physical storage to minimize network bottlenecks and increase performance. Cirrascale's innovative approach means that CirraStor appliances can fulfill all of an organization's storage workloads without compromise when it comes to cost-effective solutions that optimize performance, energy efficiency, capacity and total cost of ownership.

*Building high performance multi-Petabyte clusters is accomplished using CirraStor 6Gbps storage blades managed by NexentaStor with 2PB single namespace per rack.*



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CirraStor appliances with NexentaStor unified storage management software provide:

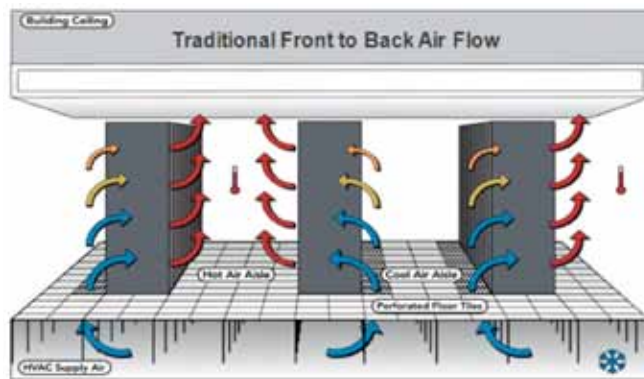
- Powerful GUI with single login management over multiple appliances.
- Unlimited snapshots and clones.
- Block level and file level replication with management of virtualized storage.
- Predictable linear performance improvement as storage is added.
- Isolation to support multi-tenancy and the ability to shrink and grow capacity dynamically as user needs dictate.
- Easy integration with cloud vendor management portals.
- Extensibility with customizable plug-ins.
- In-kernel CIFS stack, support for NFS and WebDAV.

## Cirrascale® CirraStor™ Petascale Storage Appliances with patented Vertical Cooling Technology.

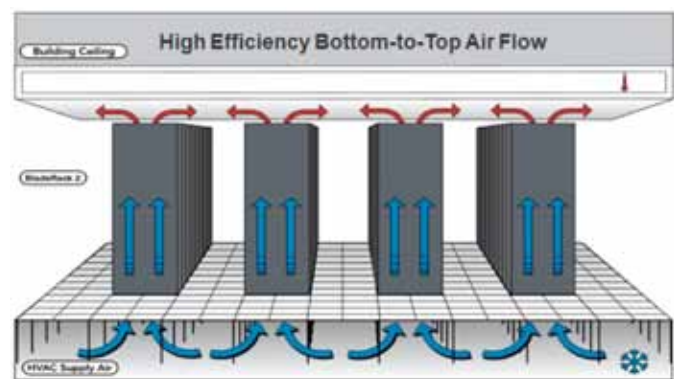
- Unmatched flexibility to integrate the latest processor technologies, high performance I/O (10GbE, InfinBand, Fibre Channel), and high speed system memory to speed the implementation of cost-effective SAN, iSCSI, NAS, and DAS storage solutions.
- Up to 2PB storage in a single rack with the ability to mix and match SATA, SAS, and SSD drives to create hybrid storage pools while balancing performance, capacity, and cost.
- The industry's highest cooling efficiency, which enables customers to reduce power utilization in the data center by 35% or more.
- The highest reliability in the industry based on a study by Western Digital, one of the world's leading disk drive suppliers.
- The lowest Total Cost of Ownership (TCO) in the industry.



*CirraStor appliance components include head nodes, storage blades and the BladeRack 2 chassis.*



*CirraStor operates efficiently in traditional data centers.*



*Cirrascale Vertical Cooling Technology transforms your data center.*

### The status quo just doesn't cut it anymore!

Let Cirrascale show you cloud solutions that really do meet your performance, power, density and scale out requirements at a cost you can afford. The old adage, "No one ever got fired for buying XYZ," is soon to be obsolete. Cirrascale allows you to question the status quo and be rewarded for it!



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