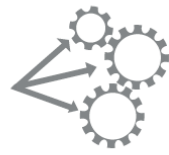


# OPENSTACK



Multi-Workload



Seamless Scalability



Powerfully Simple

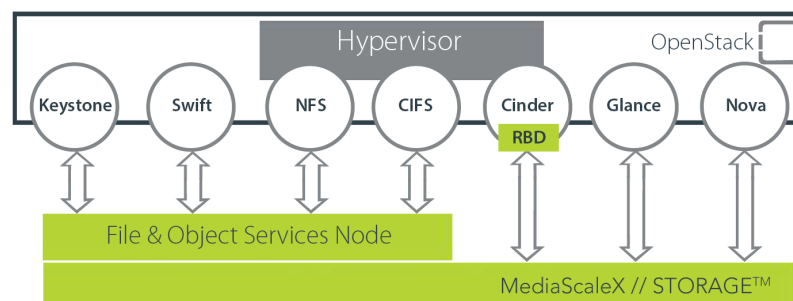
## MediaScaleX // STORAGE™ At-a-Glance

- Full support for OpenStack Swift and Cinder interfaces.
- Additional support for RADOS, S3, NFS and CIFS interfaces.
- Capacity scaling to Exabytes of storage.
- Throughput scaling to Petabits/s of performance.
- Data-in-place, non-disruptive upgrades to any capacity and performance.
- Scales in 20-180 TB increments.
- Client network of 10 GbE (High availability supported).
- Cluster network of 56 GbE (High availability supported).

Many companies today are deploying an OpenStack software-defined server infrastructure as they evolve toward an open data center architecture. Doing so can dramatically simplify the rollout and management of new compute and storage capabilities-whether OpenStack is deployed within a private cloud environment that is provisioned to customers or used as a backbone for the modern enterprise.

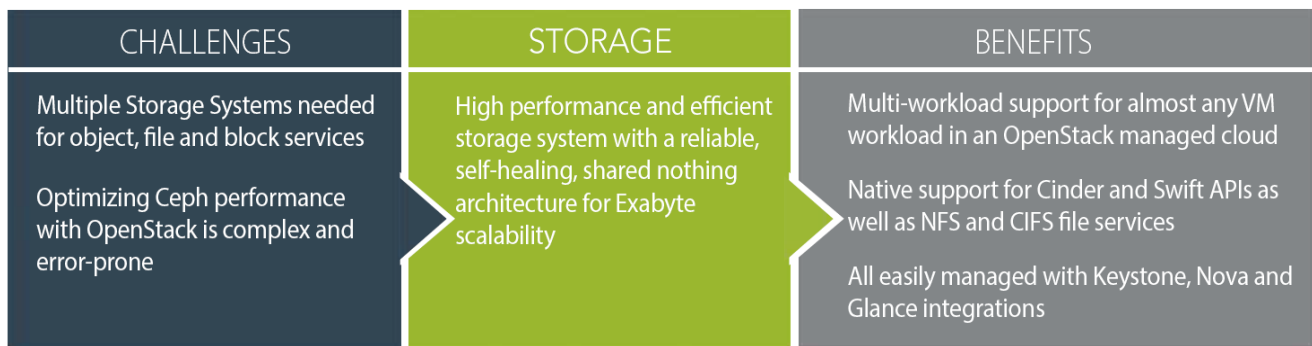
But to make sure the computing environment stays flexible, cloud platforms like OpenStack also require a supporting storage system that is reliable, scalable, unified and distributed. So many of today's most innovative companies maximize their OpenStack infrastructure by deploying block, file and object storage capabilities that can meet these requirements all within a single unified system.

That's exactly what the MediaScaleX // STORAGE™ solution delivers. It helps companies capitalize on all the benefits OpenStack offers by simplifying the deployment and ongoing management of flexible, multi-workload storage.



### Multi-Workload

MediaScaleX // STORAGE™ creates a Flexible solution architecture that is well-suited for applications with modest performance requirements such as backup or offline storage. However, the same cluster can support multi-workload, high I/O virtual machines and applications with heavy read/write process requirements, allowing a single cluster to support a wide array of performance requirements.



### Multi-Protocol

MediaScaleX // STORAGE™ storage integrates easily with the OpenStack framework, communicating with application programming interfaces (APIs) for Swift, S3, Cinder, Glance, Nova and Keystone. MediaScaleX // STORAGE™ also provides NFS and CIFS file interfaces, as well as a variety of scaleout node options at different ratios of throughput and capacity. Altogether these options enable simplified and cost-matched storage for virtually any application workload.

### Fast Virtual Machine Spin Up

MediaScaleX // STORAGE™ block storage features thin provisioning and snapshots, which enable virtual machines to spin up quickly, while making backing up and cloning extremely easy. MediaScaleX // STORAGE™ copy-on-write mechanism provides efficient boot volumes for OpenStack instances and helps OpenStack spin up many instances quickly.

### Flexible Scalability

System administrators can define flexible pools of storage within a single MediaScaleX // STORAGE™ cluster to meet the needs of a diverse set of business applications, even when performance requirements are not known ahead of time. MediaScaleX // STORAGE™ makes this possible by providing a unified storage system with pools that can be tuned to accommodate varying performance requirements. With MediaScaleX // STORAGE™, clusters can be expanded, contracted and managed dynamically through one single pane of glass.

### Full Data Protection

MediaScaleX // STORAGE™ also introduces a strongly consistent data model that fully protects data at all times. Virtual machines can leverage MediaScaleX // STORAGE™ as a persistent storage pool that is accessible regardless of the hypervisor on which the virtual machine currently resides. In the event that a virtual machine needs to be spun up on a different hypervisor, the application data stored by the running instance is available to the new instance, eliminating the storage migration part of workload mobility.

### Self-Healing

A combination of the open source Ceph® storage engine and MediaScaleX // STORAGE™ own storage-optimized, real-time Linux operating system creates a self-healing storage system that is capable of scaling to Exabytes of usable capacity.

### Lower TCO

MediaScaleX // STORAGE™ minimizes OpenStack storage complexity with native block, file and object support. With access to highly-available, scalable storage, IT teams can efficiently store images, volumes and guest disks across OpenStack infrastructures through one unified system. This helps companies spend less time managing data while reducing their overall total cost of ownership for storage.