

INTEGRATE CLOUDBYTE ELASTISTOR WITH OPENSTACK

ADVANTAGES

Reduced CAPEX

No need to stack up physical storage boxes for each application

Reduced complexity

No tedious storage sizing per application and managing silos

Reduced datacenter footprint

Significant savings in terms of power, cooling, and rack space

Flexibility

Move around Storage performance between applications on the fly

High utilization

By eliminating expensive storage silos while still providing secure isolation between applications, storage utilization is increased by 5X

Complete isolation

Guarantees QoS for each VM disk thereby eliminating the noisy neighbor issue

Space-efficient snapshots

Eliminate huge data pile with snapshots based on Copy-on-Write method

Bring all the goodness of CloudByte ElastiStor to your favorite Cloud Platform

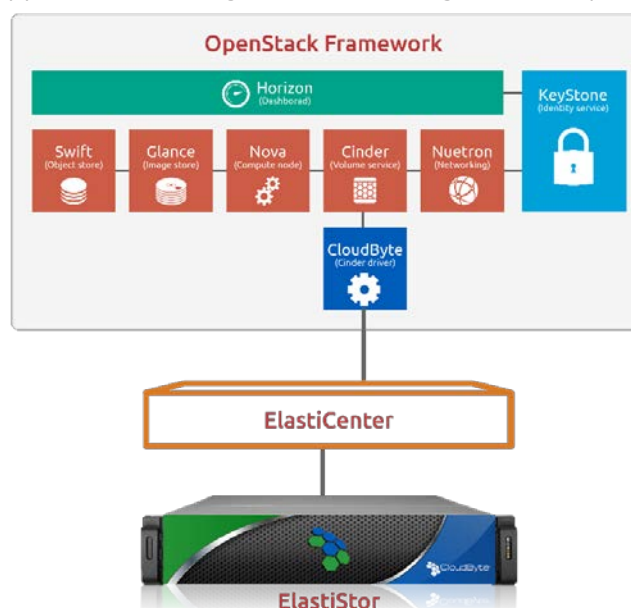
Cloud Orchestration

In large-scale cloud infrastructures, it is all too easy for one application to consume a disproportionate amount of storage resources. This creates a scenario where many applications suffer performance degradation at unpredictable intervals.

In fact this drawback is what hinders the enterprises to move their mission-critical applications to the cloud these days.

OpenStack and ElastiStor

CloudByte VSM architecture enables storage administrators to deliver tailored storage performance (IOPS, throughput, latency) and capacity to all the applications, sharing a common storage resource pool.





An industry first, this capability eliminates the need for any storage fragmentation and the resultant exorbitant costs and management complexity. Deploy OpenStack with CloudByte ElastiStor as the backend block storage.

The ElastiStor plug-in for OpenStack rewires the storage framework to guarantee QoS to every VM. The plug-in sets up a one to one mapping between a CloudByte's VSM powered Storage Volume to a VM's disk, eliminating the noisy neighbor issue.

ElastiStor Benefits



Block and file Storage protocols



Unified Storage; supports hybrid and flash Pools



Guaranteed Storage performance



Block level incremental backup, disaster recovery



Advanced ZFS RAIDs



READ and WRITE acceleration



Inline Compression and Deduplication



Infinite Snapshots and Clones



Easy and intuitive management, delegate administration



VMware ready



Citrix ready



Enterprise-grade high availability



Volume Level Granular Control

ABOUT CLOUDBYTE

CloudByte storage, engineered for cloud providers and large enterprises, is a containerized enterprise storage solution that solves storage level I/O contentions in the virtualized environment, delivering guaranteed performance for each workload, and up to 5x increase in utilization.



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