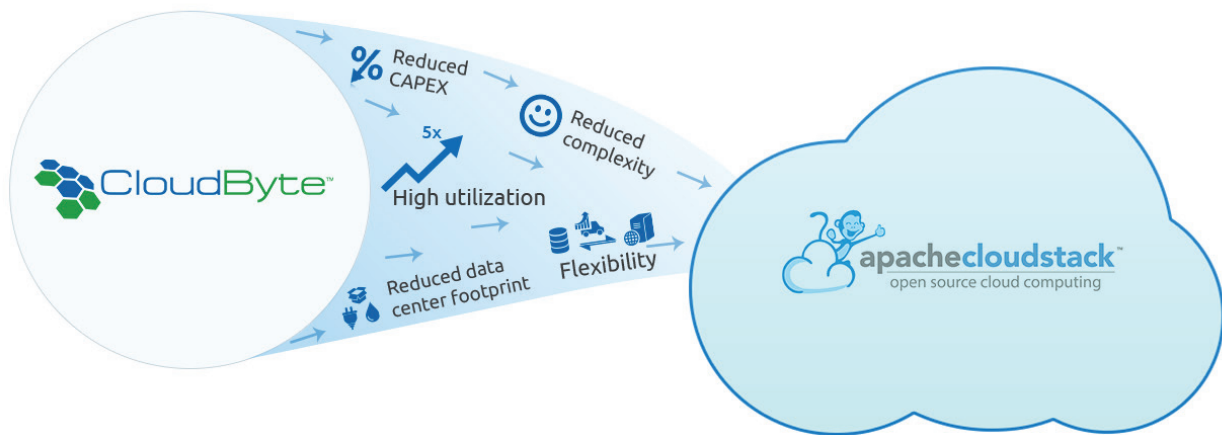


Integrate CloudByte ElastiStor with CloudStack 4.5

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



 Use ElastiStor plug-in for CloudStack to integrate and interoperate.

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.

CloudStack 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.

CloudByte ElastiStor integration with CloudStack 4.5 makes Cloud deployment simple. The ElastiStor plug-in for CloudStack addresses the QoS concerns in the cloud environment as well as storage automation.

The plug-in sets up a one to one mapping between a CloudByte volume (supporting both NFS and iSCSI) to a VM's disk, eliminating the noisy neighbor issue. The CloudByte driver also allows to configure QoS per Disk or Storage Repository and reduce the complexity in using External Storage.



ElastiStor Plug-in features

Apache CloudStack administrators can perform various tasks, performed using CloudByte ElastiCenter, in the CloudStack management UI. In addition, following features of ElastiStor are available in the CloudStack Plug-in:

Easily manage QoS properties for primary Storage (VSM) and Storage Volumes

Support for storage level snapshots and hypervisor level snapshots

QoS-guaranteed storage support for hypervisors such as Xen, VMware and KVM

Can change the Volume IOPS on the fly as per the requirement

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

Fully automated storage provisioning through CloudStack.

Supports resizing of the Volume

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 RAID5



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 is the leading provider of enterprise storage for the virtual environment. Its patented software defined storage architecture solves storage/I/O contentions in the virtual environment and provides granular storage performance guarantees for each application. Established in 2011 and managed by technology executives from companies such as NetApp, EMC, LSI, and Novell, CloudByte is headquartered in the Silicon Valley and has a development center in India. CloudByte is venture-backed by Fidelity Worldwide Investment, Nexus Venture Partners, and Kae Capital.

CloudByte ElastiStor
supports
CloudStack 4.5



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