



# Citrix Chooses CloudByte Over Legacy Storage for Private Cloud

Citrix® chose CloudByte over legacy storage appliance to build QoS enabled multi-tenant storage and provision a cross-geographical global private cloud for the development and testing of Citrix's industry-leading productline.

## THE DEAL DECIDERS

1/10th the Cost

Excellent Support

Ease of Management

Simple Licensing Terms

Right to Choose the Hardware

Why  
Citrix Chose  
CloudByte

## REQUIREMENTS

To upgrade its global private cloud infrastructure, Citrix proposed the following requirements:

- **Seamless expansion of VMs**
- **Performance control for individual applications**
- **Disaster recovery**
- **XenServer® certification**
- **CloudPlatform™ certification**
- **Flexibility in managing storage for multiple users**

## HOW CLOUDBYTE ELASTISTOR RESOLVES THE REQUIREMENTS

Running on commodity hardware, CloudByte ElastiStor™ is the perfect fit for Citrix's private cloud implementation. CloudByte provides a multi-tenant shared storage infrastructure with guaranteed performance, VM-consistent backups, and flexible provisioning.

The Citrix Globalization Services team replaced multiple storage silos with CloudByte's multi-tenant shared storage infrastructure. The following are the highpoints of the setup:

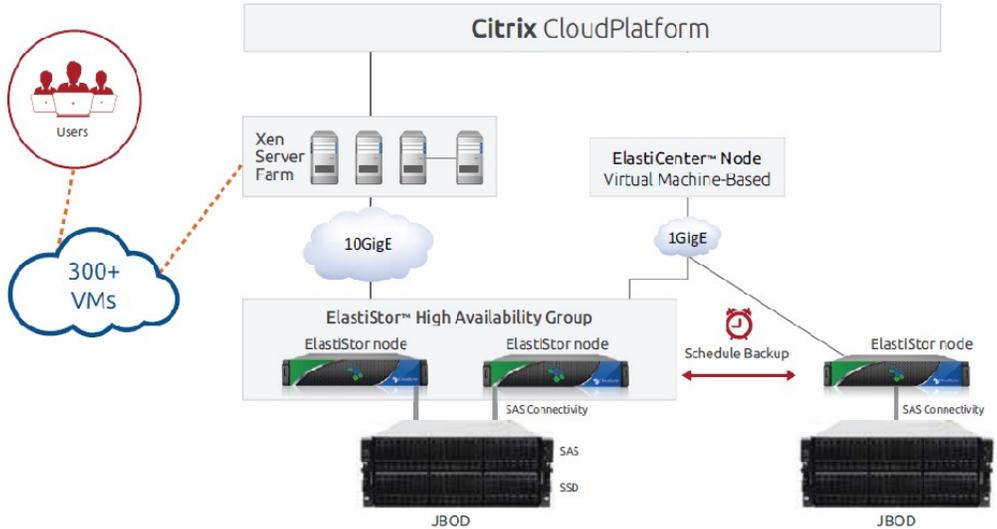
- **Multi-tenant shared storage:** The storage requirements of all departments (over 300 VMs) are met from a single platform with around a couple of dozen physical drives.
- **Enterprise-grade storage functionality** such as RAID, compression, failover, and protection against data corruption
- **Business resilience** against disasters. With VM-consistent snapshots, replication to a backup array, and protection against data corruption, ElastiStor meets the resiliency requirements.
- **Ability to scale** capacity and performance independently. Administrators can now dynamically provision IOPS and throughput for any development process or testing workload.
- **Seamless compatibility** with the Citrix CloudPlatform framework and the Citrix XenServer virtualization platform

### DETERMINING FACTORS

- **1/10th of the cost:** Despite offering essential features not offered by competitors such as guaranteed storage performance.
- **No vendor lock-in:** Performance and capacity can now be independently scaled with industry-standard hardware. The customers have the right to choose their hardware.
- **Out of the way support:** Passionate technical support round the clock, acknowledged by Citrix.
- **Simple Licensing** Not cluttered by confusing and costly terms
- **Ease of Management** Centralized management – including performance analytics – using CloudByte’s easy to use GUI.

### SOLUTION ARCHITECTURE

The private cloud implementation involves Citrix CloudPlatform and XEN clusters with ElastiStor as storage. It follows a tiered approach with total capacity of 18 TB. More than 300 VMs run on two XEN clusters. VMs that need increased I/O performance are hosted on SSD Pool and the rest on SAS Pool. The Storage system is accessed using NFS. Disaster Recovery is achieved using snapshots configured with a retention period of 10 days. Also, the backup node replication offers full redundancy in the case the primary site fails.



### CONCLUSION

With more than 100 active users cross-geographically located, each using three or more VMs in a server farm comprising 8 Xen Servers, Citrix deployed ElastiStor in a development and testing environment for their flagship products. CloudByte ElastiStor proves to be an essential solution for accelerating the development cycle..

The success has inspired Citrix to triple the deployment. The total storage capacity is being expanded by another 30 TB to accommodate around 1000 VMs.

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### ABOUT CLOUDBYTE

CloudByte is the first provider of secure, multi-application storage for enterprise applications run by both enterprises and service providers. Its patent-pending technology empowers organizations to spin out Virtual Storage Machines (VSMs) and to scale storage performance higher or lower on demand. CloudByte is headquartered in the Silicon Valley and has a devel-

