Veritas Alta Shared Storage

Storage, resiliency, efficiency, and performance for the cloud.

Overview

The move to the cloud continues to accelerate. More than 90 percent of large enterprises are adopting a multi-cloud infrastructure, and it is estimated that 60 percent of the world's corporate data (200ZB) will be stored in the cloud by 2025. But the promise of cost saving by moving to the cloud is not always attained, with more than 30 percent of customers reporting that cloud storage failed to reduce cost. Veritas Alta™ Shared Storage is designed to maximize cloud storage resiliency, efficiency, and performance for cloud-native as well as traditional business-critical applications.

Veritas Alta Shared Storage is intelligent storage management software designed to maximize cloud storage resiliency, efficiency, and performance for cloud-native as well as traditional business-critical applications. It combines cloud-native block storage services with software-defined storage virtualization to create highly resilient, efficient, and high-performing storage.

Why Veritas Alta Shared Storage?

- **Data Resiliency**—Share cloud-native block storage across cloud availability zones and regions for increased data availability and mobility

- **Storage Efficiency**—Better manage cloud storage cost and increase storage utilization

- **Increased Performance**—Intelligent caching to serve demanding applications without the need for dedicated cloud SSD storage

Introducing Veritas Alta Shared Storage

As more data is stored in the cloud, unplanned cloud expenses are on the rise. Customers have realized that performance and uptime service level agreements (SLAs) are not being met, and that native storage services are not flexible enough to meet the needs of the business when it comes to application data mobility. A traditional cloud service provider approach is to offer dedicated expensive SSD cloud storage to solve application performance, and make it difficult or disruptive to move application data to other zones/regions, cloud service providers, and back to on-premises.

Veritas Alta Shared Storage provides a software abstraction layer between cloud-native block storage services for traditional cloud applications and Kubernetes container-based environments. It provides customers the freedom to run IT services using the architecture that best suits their business needs, without being locked into any cloud service provider or geographical location.

Always-On Cloud Storage with Veritas Alta Shared Storage

Here are a few key capabilities that Veritas Alta Shared Storage provides cloud-native block storage services in the cloud:
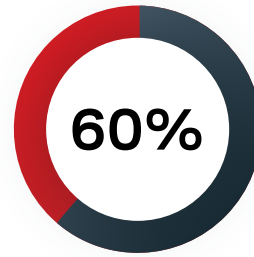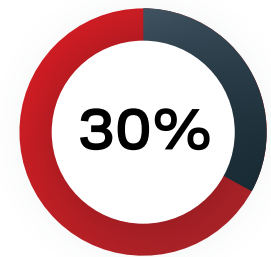
Data Resiliency

- Flexible Storage Sharing (FSS) functionality empowers customers to create parallel access to cloud-native block storage services within an availability zone and across zones. This enables sub-minute recovery for applications, as detaching and reattaching cloud storage volumes is not necessary in the event of a failure. This will provide minimum application downtime and enables customers to maintain data availability SLAs for business-critical applications.

- Veritas Alta Shared Storage enables customers to migrate application data volumes and container-based persistent storage volumes to other geographical locations within their current service provider infrastructure, to another service provider platform, or revert to on-premises. This advanced business mobility can avoid vendor lock-in and provide additional business options.

60%

60% of the worlds' corporate data will be stored on the cloud by 2015

30%

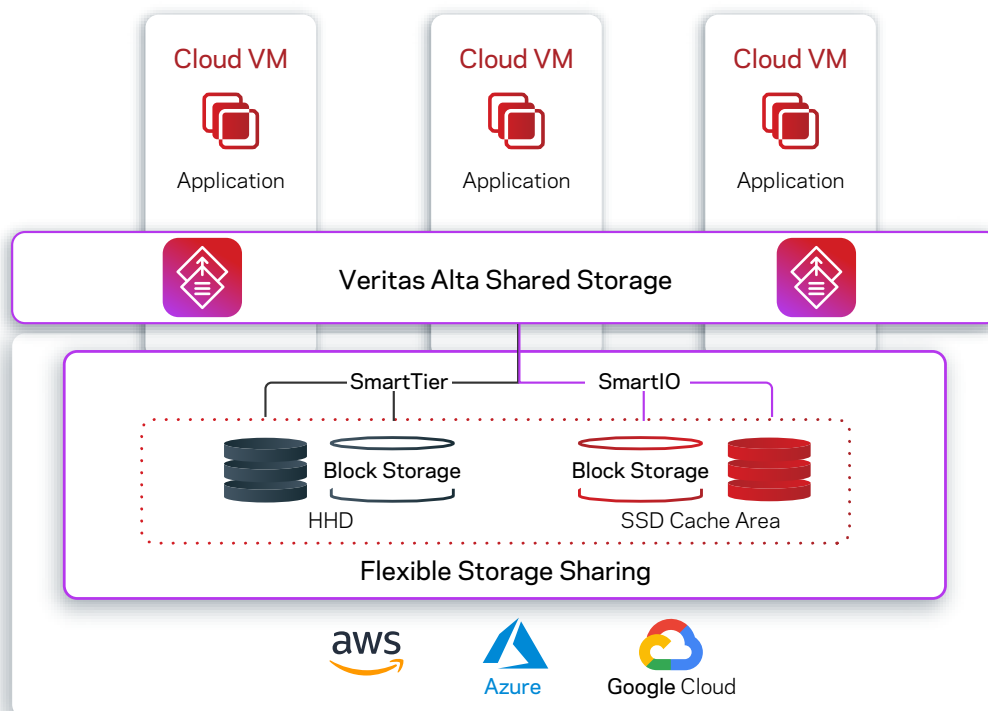Over 30% of customers reported that cloud storage failed to reduce costs

Storage Efficiency

- Veritas provides a software abstraction layer that empowers customers to create a shared storage pool of different classes of cloud storage to increase utilization and enable data mobility.

- Veritas Alta Shared Storage SmartTier can bidirectionally move active and inactive data between cloud SSD and lower-cost HDD storage, or S3 buckets, depending on I/O activity. This will reduce cloud storage costs while freeing up space on more expensive tiers for other business-critical applications.

Increased Performance

In many cases, customers that move their business-critical applications from on-premises to the cloud experience performance issues related to the performance profile of cloud storage offerings. To solve this, cloud providers offer higher-performing SSD storage options, but at a much higher cost.

- With SmartIO intelligent caching, just the application reads can be served from faster volumes using SSD storage, while writes can be served from a less-expensive storage tier. This significantly improves application performance, with minimal additional cost.

- Multiple database accelerators such as Oracle Disk Manager (ODM), Quick I/O, and Concurrent I/O to achieve a performance boost for mission-critical workloads.

Cloud VM	Cloud VM	Cloud VM
Application	Application	Application

Veritas Alta Shared Storage

SmartTier — SmartIO

Block Storage
HHD

Block Storage
SSD Cache Area

Flexible Storage Sharing

aws   Azure   Google Cloud

Learn More

Veritas Alta Shared Storage is offered as a subscription-based license, available in one-, two-, or three-year increments. It supports standard cloud IaaS storage options and container-based Kubernetes/OpenShift orchestration platforms.

Veritas Alta Shared Storage is included with Veritas Alta Application Resiliency solution, and provides the data mobility and cloud storage flexibility to enable always-on cloud application resiliency and availability.

To learn more about Veritas Alta Shared Storage, visit veritas.com/alta/shared-storage.

About Veritas

Veritas Technologies is a leader in multi-cloud data management. Over 80,000 customers—including 95 percent of the Fortune 100—rely on Veritas to help ensure the protection, recoverability, and compliance of their data. Veritas has a reputation for reliability at scale, which delivers the resilience its customers need against the disruptions threatened by cyberattacks, like ransomware. No other vendor is able to match the ability of Veritas to execute, with support for 800+ data sources, 100+ operating systems, 1,400+ storage targets, and 60+ clouds through a single, unified approach. Powered by Cloud Scale Technology, Veritas is delivering today on its strategy for Autonomous Data Management that reduces operational overhead while delivering greater value. Learn more at www.veritas.com. Follow us on Twitter at @veritastechllc.

VERITAS™

2625 Augustine Drive
Santa Clara, CA 95054
+1 (866) 837 4827
veritas.com

For global contact information visit:
veritas.com/company/contact

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