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 Storage Resiliency is designed to maximize cloud storage resiliency, efficiency, and performance for cloud-native as well as traditional business-critical applications.

Veritas Alta Storage Resiliency 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.

Introducing Veritas Alta Storage Resiliency

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 Storage Resiliency 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 Storage Resiliency

Here are a few key capabilities that Veritas Alta Storage Resiliency 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 Storage Resiliency 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.

Storage Efficiency

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

60% of the world’s corporate data will be stored on the cloud by 2015
Over 30% of customers reported that cloud storage failed to reduce costs

60%

30%

Flexible Storage Sharing

Cloud VM
Application

Cloud VM
Application

Cloud VM
Application

Veritas Alta Storage Resiliency

SmartTier

SmartIO

Flexible Storage Sharing

SSD Cache Area

Block Storage

HDD

Block Storage

SSD Cache Area

AWS

Azure

Google Cloud
Veritas Alta Storage Resiliency 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 Storage Resiliency 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 Storage Resiliency, visit [veritas.com/alta/storage-resiliency](http://veritas.com/alta/storage-resiliency).