Veritas Alta Shared Storage

Maximize your storage efficiency, availability, agility, and performance in the public cloud.

Overview

Veritas Alta™ Shared Storage maximizes storage efficiency, data availability, operating system agility, and performance in public cloud services. Unlike point solutions, Veritas Alta Shared Storage enables IT organizations to manage cloud storage infrastructures in a centralized fashion. Veritas Alta Shared Storage has advanced features such as SmartIO, Flexible Storage Sharing (FSS), Dynamic Multi-Pathing, storage tiering, deduplication, compression, thin reclamation, and local and remote replication. Combined with InfoScale™ Operations Manager (an easy-to-use centralized management console from Veritas) they enable organizations to reduce operational costs in the public cloud.

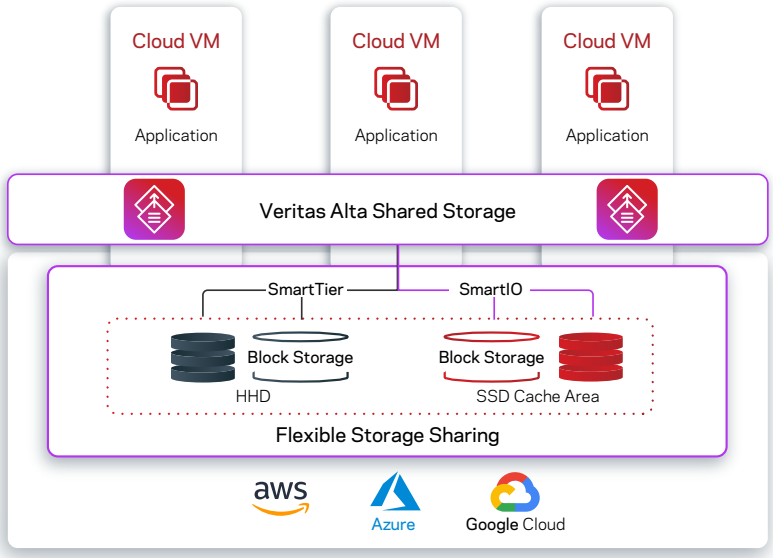
Veritas Alta Shared Storage is designed to maximize cloud storage resiliency, efficiency, and performance for cloud-native as well as traditional business-critical applications.

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

Predictable Application Performance

Business applications often have strict performance guidelines that require higher performance storage tiers when operating in a cloud environment. Unpredictable performance gains, cost, and return on investment (ROI) are common reasons for not adopting SSD-based storage available from cloud providers. Veritas Alta Shared Storage comes with an integrated application-aware caching solution called SmartIO, that can use ephemeral cloud SSD storage to provide better application performance at a reduced cost. This enables organizations to use SSD to achieve higher and predictable performance without compromising on high availability and flexibility. In lab tests replicating real-world use cases, Veritas Alta Shared Storage delivers up to 400 percent performance improvement, while reducing storage costs by up to 80 percent.



Flexible Storage Management in the Cloud

IT organizations struggle with soaring storage costs and capacity that becomes wasted through the regular cycle of operations. In some cases, storage operations can result in application downtime.

Veritas Alta Shared Storage enables cloud administrators and architects to improve storage

utilization and capacity management across heterogeneous operating systems. Storage volumes based on cloud-native block storage and file systems can be grown or shrunk dynamically, and storage can be provisioned to new applications without modifications or end-user downtime.

Veritas Alta Shared Storage automates daily and repetitive storage tasks, and performs them while keeping applications online. This includes RAID reconfiguration, defragmentation, file system resizing, volume resizing, and storage migrations, which can be done across cloud availability zones, regions, and even different cloud services.

Below is an example (Figure 2) of how Veritas Alta Shared Storage can be configured to support SAP S4 HANA environments in the cloud, highlighting how Veritas Alta Shared Storage uses cloud native block storage services to create a shared storage pool for SAP that can help reduce costs and improve application performance.

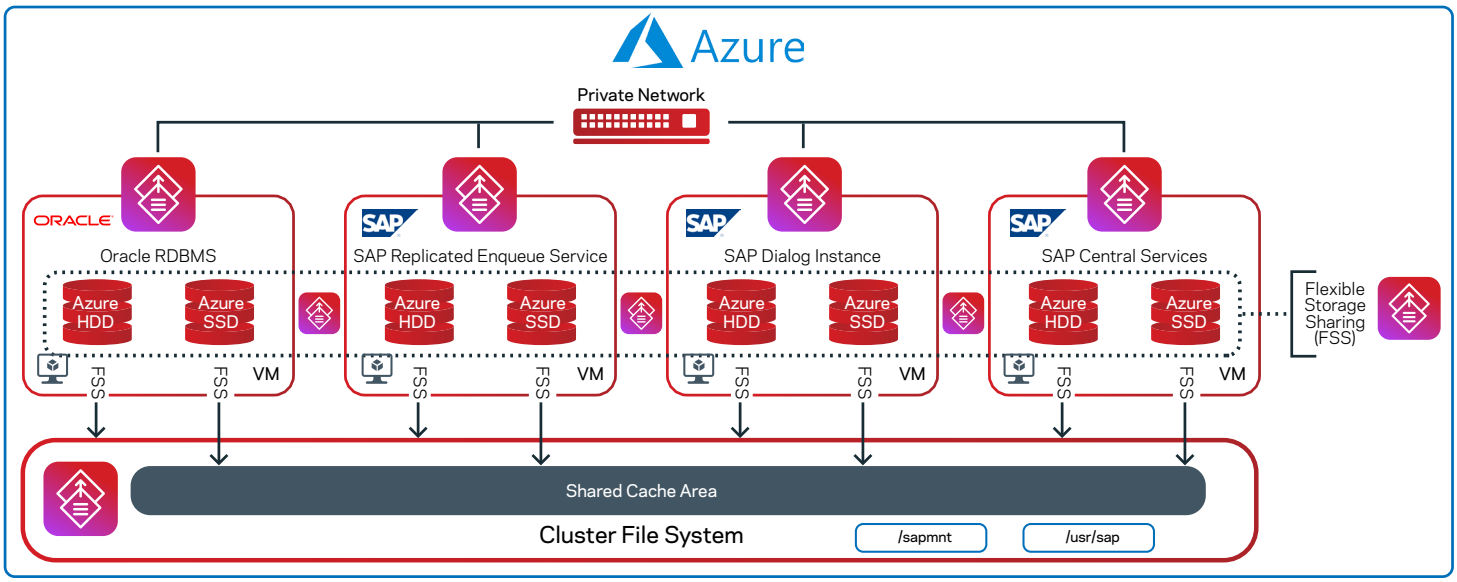


Figure 2. SAP S4/HANA running on Veritas Alta Shared Storage in Microsoft Azure

Data Protection and Mobility

Data protection is a concern of any IT organization. When it is implemented across heterogeneous operating systems, several point tools are required, making management of copies a difficult task. Veritas Alta Shared Storage helps protect the data, with copy service options that address local and remote replication needs across all major operating systems. For mission-critical applications that require recovery at remote sites in different cloud zones and/or regions, Veritas Alta Shared Storage enables the efficient replication of data over IP networks. This host-based technology enables data to be replicated between cloud zones, regions, and different cloud providers, giving organizations an extremely flexible, cost-effective way to manage the replication of application data in the cloud.

- Veritas Alta Shared Storage enables customers to migrate application data volumes and container-based persistent storage volumes to other geographical locations, whether within your current cloud service provider infrastructure, to another service provider platform, or on-premises.
- Veritas Alta Shared Storage SmartTier can bidirectionally move active and inactive data between cloud SSD and lower-cost HDD storage or object storage buckets depending on I/O activity.

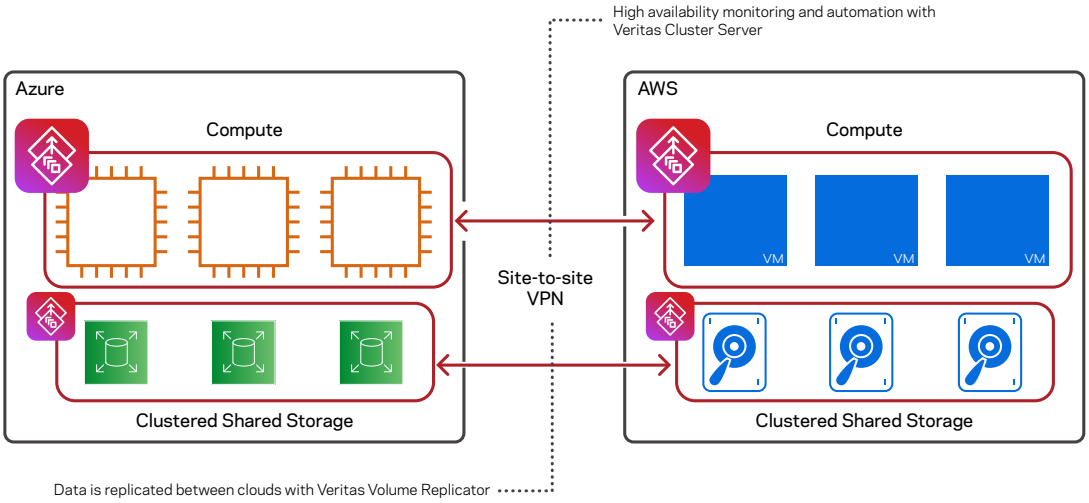


Figure 3. Data mobility across cloud providers with Veritas Alta Shared Storage

Centralized Storage Management

Understanding the dependencies of applications to the underlying storage infrastructures is a challenge, as is manually mapping these components together. With InfoScale Operations Manager, organizations can centrally manage their application, server, and storage environments. This leads to faster application deployment times and higher service levels, reduced risk of human error, and comprehensive visibility throughout the environment. In addition, Operations Manager enables administrators to identify and visualize potential problems with applications and storage resources by correlating health and status information across multiple applications, cloud servers, storage, and replication resources. This increased visibility enables rapid problem resolution that typically spans multiple organizational structures.

Learn More

Veritas Alta Shared Storage is available as a simple, subscription-based license 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.

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