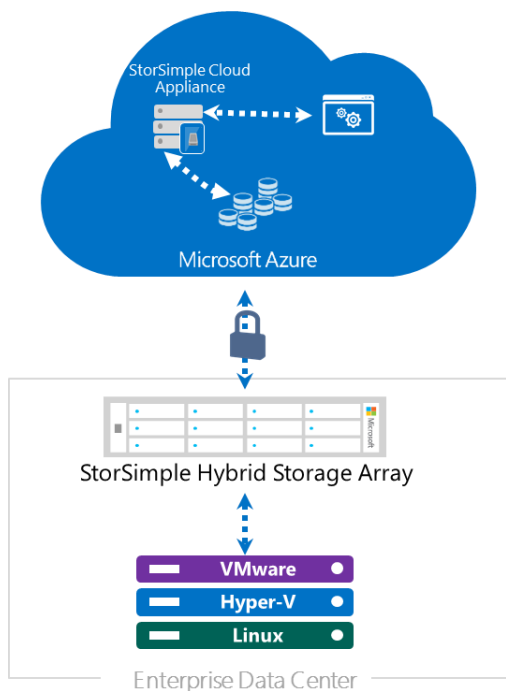# Microsoft

Microsoft Azure StorSimple
8000 series

Hybrid storage with cloud economics and agility

StorSimple 8000 series hybrid cloud storage is designed to simplify IT storage and data management in enterprises to help manage data growth in data centers and smaller environment. StorSimple helps enterprises consolidate their storage infrastructure for primary storage, data protection, archiving and disaster recovery on a single solution by tightly integrating with Azure storage, thereby lowering the overall storage costs by up to 60%. StorSimple also provides new storage capabilities that leverage the power of the cloud to help IT be more agile in responding to ever-changing business needs.

Improving return on investment for the business

Rapid data growth is a way of life for IT professionals who are continually planning for, acquiring, deploying, managing, maintaining, expanding and refreshing storage. But spending resources on storage does not contribute to the organization's bottom line the same way that new applications, business intelligence or collaboration projects do. StorSimple hybrid cloud storage solution breaks the cycle of endless focus on managing storage infrastructure and helps enterprises use storage as a key enabler for business. With StorSimple, customers can:

• Consolidate large amount of storage infrastructure
• Simplify storage management and data protection
• Implement robust disaster recovery (DR) mechanisms
• Accelerate IT projects that deliver business value
• Reduce total storage costs up to 60%

The result is a storage solution that significantly reduces the time needed to manage storage and gives IT the time and flexibility to work on higher-priority projects that support business goals.

Manage data growth and lower storage costs up to 60%

• Hybrid storage array provides on-premises performance while leveraging cloud storage for massive amounts of inactive data
• Deduplication and compression increases capacity utilization on the on-premises storage arrays and in the cloud
• Use of cloud as a storage tier for primary storage and data protection significantly reduces on-premises storage footprint

Implement robust disaster recovery and security

• Data retention is determined by software policies instead of backup system capacity or tape rotations
• Location-independent instant recovery intelligently only downloads data needed by applications for fast RTOs (recovery time objectives)
• All data transferred and stored in the cloud is encrypted using the customer-specified private key

Streamline storage infrastructure and management

• Primary, backup, snapshot, archive and offsite storage are converged into a small footprint, hybrid cloud storage solution
• All storage management is done from the Azure portal that provides a consistent way to apply policies and track alerts
• Cloud snapshots eliminate disk-to-disk backups, costly remote replication and time-consuming tape management

Increase IT responsiveness to business needs

• The StorSimple Cloud Appliance allows on-demand access to enterprise data in the sandbox cloud environment without requiring any new storage infrastructure planning and deployment
• With the StorSimple Cloud Appliance, customers have the flexibility to have high IO or low-cost SAN storage in the cloud based on the specific application needs and IT project requirements.

StorSimple 8100   StorSimple 8600

StorSimple 8020

StorSimple 8010

Advanced hybrid storage arrays

StorSimple 8000 series hybrid arrays provide three tiers of storage that include SSD, HDD and cloud storage to optimize data placement for best performance and cost-effectiveness. StorSimple provides advanced data management capabilities like auto-tiering that deliver on-demand, seamless, and secure storage capacity expansion for primary storage and data protection. This means enterprises no longer have to purchase, maintain, upgrade, refresh storage infrastructure in data centers for aging primary data, data backups or long-term archives.

Local and tiered volumes

StorSimple 8000 series hybrid storage arrays provide support for multi-workload environment. Local volumes retain primary data completely on-premises without tiering any data to the cloud. These are ideally suited for workloads that require high IO and low latency like database applications (SQL) and virtual machines. Tiered volumes on the other hand, use all three tiers for primary storage and are particularly well-suited for file shares, archives and other applications that are capacity-hungry and need a larger scale for data storage. In both cases, cloud snapshots provide data protection and location-independent disaster recovery.

Powerful consolidated management

The StorSimple Manager, which is a cloud service, provides centralized management of geographically dispersed StorSimple 8000 series appliances including real-time reports and status alerts. The use of Azure Portal for management provides customers with a single pane of glass to not only perform all StorSimple management but also seamlessly provision cloud-based resources like networking, compute, applications that use the StorSimple Cloud Appliances for cloud-based access to data backups.

Automated efficiency in data protection

Instead of disk-to-disk backup, tape backup or remote replication, StorSimple 8000 series arrays protect data automatically with cloud snapshots. Cloud snapshots are highly capacity optimized to ensure speedy backups and eliminate the need for backup windows that plague traditional data protection architectures. They similar to local snapshots in other traditional storage solutions but are stored in the cloud. Cloud snapshots allow rapid access to data backups without the lengthy delays normally incurred with off-site storage.

Instant, location-independent recovery during disasters

The StorSimple 8000 series arrays provide *instant recovery* of data to accelerate DR. By intelligently downloading the minimal amount of data from cloud snapshots needed to resume application recovery, StorSimple saves time when it matters most and significantly reduces cost due to lost productivity. Instant recovery also enables DR to be tested and validated to ensure a robust implementation, an activity that is expensive, complex and difficult to execute in enterprises today. Cloud snapshots are also accessible by all the StorSimple 8000 series appliances, making it possible to perform DR in the cloud or in another data center.

Data on-demand for DR testing and new applications

The StorSimple Cloud Appliance (StorSimple 8010 and 8020) provide on-demand storage for accessing cloud snapshots in a cloud-based sandbox environment. This helps IT accelerate time to implementation for new workloads that are needed for business innovation like search, data mining and custom applications (dev/test) by leveraging the cloud. StorSimple also enables DR testing and implementation in the cloud without any impact to production storage infrastructure.

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