BIGTERA

VirtualStor™ SDS Controller

Consolidates, simplifies, and optimizes storage infrastructures

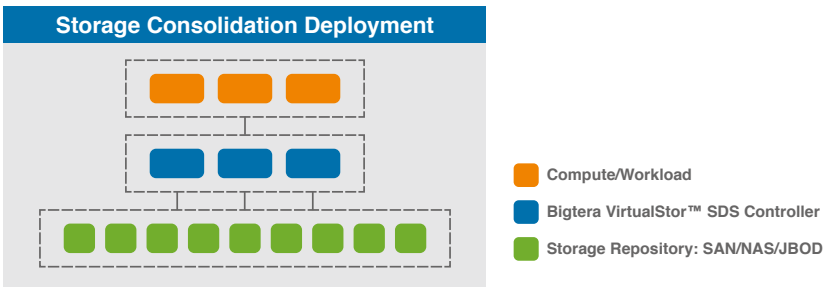
Features list

- Consolidates standard storage — SAN, NAS, DAS
- Scale-out architecture — no performance bottlenecks
- Seamless data migration
- Thin provisioning
- Data deduplication and data compression
- Erasure coding
- Unified storage interface support for SAN, NAS and Amazon S3
- High-peformance backend storage engine — BigteraStore
- Snapshots and clones
- Support QoS policies on Virtual Storage, blocks and file images
- VAAI support
- Decentralized management console
- Performance tiering

Software-defined infrastructure has become a leading topic for discussion in recent years. As the discussion has grown more popular and to practical solutions, most CIOs recognize that software-defined storage (SDS) is the foundation of software-defined infrastructures.

With this realization, many established enterprises and bleeding-edge start-ups are trying to complete the missing piece of software-defined infrastructures by providing their own SDS solutions. While every company is looking for cutting edge disruptive technology, throwing away a current and likely substantial investment in their existing infrastructure to do a forklift upgrade is untenable. There is also the significant time, effort, and potential downtime required to migrate to a new technology to consider.

Bigtera, as a leader in the SDS industry, understands the pain points associated with migrating the current storage infrastructure to a software-defined storage infrastructure. By consolidating all storage resources from an existing storage infrastructure, a complex, difficult to manage, inflexible storage infrastructure is seamlessly and effortlessly transformed into a next generation, simplified, easy to manage, and flexible software-defined storage infrastructure.



Consolidation

Bigtera VirtualStor™ SDS Controller consolidates traditional storage (SAN, NAS, and DAS) into a single massive storage entity. Bigtera's unique storage virtualization technology consolidates any brand of traditional storage.

This means that when administrators are provisioning storage resources for different workloads, the resources are not limited to the capability or capacity of any single storage type.

Upgrade legacy storage

Older storage types (SAN, NAS, DAS) in many cases, lack new storage features like SSD acceleration, compression, deduplication, and VM location awareness for data. Bigtera VirtualStor™ SDS Controller not only consolidates legacy storage but also, using cutting edge storage virtualization technology, provides those features and host of new storage features to legacy storage. Features that include thin provisioning, snapshots, constant data protection, and erasure coding to name a few. SDS Controller maximizes an enterprise's legacy investment by not only repurposing legacy storage, but upgrades it as well.

Simplify storage life cycle management

Every year businesses spend considerable time and effort to migrate their data that is stored in their infrastructure, on SAN, NAS or DAS, due to the age of the storage or because the storage is damaged beyond repair. Data migration is not only labor intensive, but can also cause downtime to critical business services.

Bigtera VirtualStor™ SDS Controller provides various data protection policies and automatic data migration technology to eliminate business downtime and the time and effort required to migrate data. This safeguards business continuity and frees up IT staff for more value oriented tasks. It provides a better way for IT departments to manage the life cycle of their storage infrastructure that is effortless and improves the service level agreements (SLA) from departments that require IT's support.

Model	BT-S1100
Picture	
Form factor	1U, Single Node
Cache disks	10 X Intel® SSD DC S3700 400G
Network Connections	Dual 10Gb or Quad 10Gb 2x1Gb RJ45
Data Protection	RAID 1/5/6/10 Multiple replicas N+M Erasure coding
Storage Protocols	iSCSI/FC CIFS/NFS Amazon S3 OpenStack Swift
Minimum number of appliances	3
Usage scenario	Consolidate existing storage systems, such as SAN, NAS, DAS

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To find more about Bigtera Software Defined Storage (SDS) solutions, visit **www.bigtera.com**

Contact us：**info@bigtera.com**