OceanStor VIS6600T
Virtual Intelligent Storage System

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As an industry-leading product for storage virtualization, HUAWEI OceanStor VIS6600T (the VIS6600T) meets customer needs for heterogeneous storage integration, unified management of storage space, and multi-level disaster recovery. Specific functions to address these needs include resource consolidation, unified resource management, data migration, and multi-level data protection. The VIS6600T is built to provide you with an open storage system that features robust security, easy management, and high performance, and wide compatibility.

Product Highlights

Powerful Storage Virtualization

- Integration of Heterogeneous Storage Arrays

  The VIS6600T provides heterogeneous storage virtualization based on the network layer, combining resources on different storage arrays into a uniform storage resource pool. Users can directly access and share storage space in the resource pool without the need to know what or where the resources come from.

- Seamless Blending of Fibre Channel and IP Networks

  Both Fibre Channel and iSCSI ports are provided on the VIS6600T, including the mainstream 10GE iSCSI port.

Rich Portfolio of Software

- Mirroring

  On the VIS6600T, two or more heterogeneous storage devices can establish mirroring relationship to maintain service continuity against a single device failure. This mirroring technology across heterogeneous storage arrays delivers high reliability for local services.

- Snapshot

  Virtual snapshots and full-sized snapshots occupying physical space are available to protect all data stored on heterogeneous storage devices at any point in time. In doing so, customers can avoid catastrophic damage caused by data loss.

- Replication

  The VIS6600T supports I/O-level remote replication that utilizes built-in replication software to implement cross-region disaster recovery for heterogeneous storage devices. Customers therefore can have a disaster recovery platform that protects multiple services at different levels and enables unified deployment and management and disaster recovery solutions.

Enterprise-Class Modular Design

- Outstanding Performance

  Engines in a cluster can be online expanded to beef up the overall service processing capability. The VIS6600T can be scaled up to eight nodes, and system performance increases linearly as the number of nodes grows.

- Robust Reliability

  The active-active clustering network enables load balancing and failover between paths. Apart from that, multi-node clustering, hotswappable I/O modules, and full hardware redundancy resign all contribute to the VIS6600T's robust system reliability. You can replace faulty components online to facilitate convenient maintenance and enjoy a reliable system to keep services running uninterrupted.

- Flexible Scalability

  The top-notch scale-out architecture allows you to advance overall system performance by online expanding controllers based on your demand.

Easy System Management

- Device Management

  Devices are monitored in real time with an all-around fault detection mechanism, greatly simplifying device management.

- Resource Management

  With only one set of software, you can manage storage devices from various vendors. The graphical-user interface (GUI)-based software enables intuitive resource planning and dispatching.

- Disaster Recovery Management

  The customized disaster recovery solutions deliver various services related to disaster recovery management, including testing, drill, maintenance, and evaluation.

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Technical Specifications

Model	VIS6600T
Hardware Specifications	
Architecture	Load balanced multi-node cluster, Active-Active
Node quantity	2 (standard configuration) and 8 (maximum configuration)
Processors per node	Multiple 64-bit cores
Cache per node	96 GB
Service ports per node	A maximum of 20 x 8 Gbps Fibre Channel ports, 20 x 1Gbps iSCSI ports, and 8 x 10Gbps iSCSI ports
Software Specifications	
Basic features	Storage virtualization Load balancing and failover among links Multi-node clustering
Value-added functions	Heterogeneous volume mirroring Snapshot Data replication
Compatibility	
Storage system	Huawei OceanStor storage family IBM System Storage DS series, TotalStorage DS series, V series and XIV series Netapp FAS series HP StorageWorks MSA series, EVA series, and XP series EMC CLARiiON CX series ,Symmetrix DMX series and VNX series Fujitsu ETERNUS series Hitachi AMS/WMS series, Lightning series, Thunder series, and USP/NSC series Oracle/SUN StorageTek series
Host multipathing	UltraPath (for Windows/Linux/AIX), STMS (for Solaris), PV-Link (for HP-UX), and VxDMP (for all operating systems)
Host operating system	Windows, Linux, Solaris, HP-UX, AIX, VMware, Hyper-V, Citrix XenServer
Management Features	
Network management system	Graphical user interface (GUI)–based configuration management and service configuration wizards
Alarm management	Fault and aging alarms By GUI display, indicator, buzzer, email, text message, and SNMP
Remote management	Secure Shell (SSH) connection, web-based remote login, and modem dialup
Physical Features	
Power consumption	AC: 100V to 127V, or 200V to 240V ≤ 866W DC: –48V to –60V ≤ 866W
Dimensions (H x W x D)	175 mm x 446 mm x 502 mm
Weight	43.6 kg
Operating ambient temperature	5°C to 40°C (altitude < 1800 m), 5°C to 30°C (altitude = 1800 m to 3000 m)
Operating ambient humidity	5% RH to 90% RH (non-condensing)

HUAWEI TECHNOLOGIES CO., LTD.

Huawei Industrial Base
Bantian Longgang
Shenzhen 518129, P.R. China
Tel: +86-755-28780808

www.huawei.com