

# SCALEWAY (Scale-out Network Attached Storage)

SCALEWAY is a Scale-out NAS system that has overcome the limitation of existing NAS with performance and scalability. And thus SCALEWAY guarantees extreme performance.

## Key Advantages

- Flexible scalability followed by performance increase (Up to over 1,000 nodes)
- User-oriented volume configuration by storage virtualization
- Supports 8YB as a single volume (Multi-volume configurable)
- Support intergration of heterogeneous storages
- Easy storage adding by Thin Provisioning and saving cost
- WEB based user-firendly GUI (Graphic User Infetface)
- Bundle packaged free S/W solutions

## Applications

- Digital media/broadcasting
- Database Application
- Web application
- Grid application
- Cloud Computing
- Big Data

## Flexible scalability

- Scalable up to over 1,000 nodes
- User-oriented volume configuration by storage virtualization
- Supports 8YB as a single volume (Multi-volume configurable)
- Configurable with same or different type of storages
- Saving cost in storage expansion by Thin Provisioning

## High availability

- Every node is active and guarantees service continuity in any case
- High capacity expansion, quick search, backup/recovery and replication
- Intelligent load-balancing and dynamic Thin Provisioning

## High performance/capacity

- Consolidates petabytes of data and offers high performance.
- Provide extreme performance with small and large files
- Support high performance even though integration of high capacity data
- Support 4 billion files per a filesystem by automated rule base
- Provide modular performance, scalability, availability and flexibility

## Compatibility

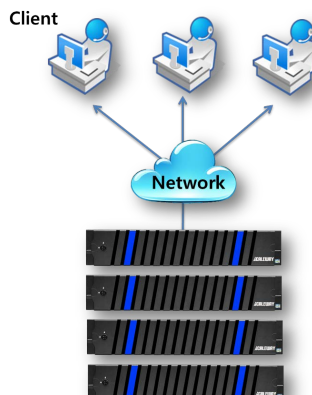
- Supports various protocols : CP/IP, DHCP, NFS, CIFS, AFP, NDMP, SNMP, iSCSI, FTP, HTTP, Telnet, Like Wise, WebDev etc

## Response to business environment

- Application to cloud storage for all business data types
- Flexible response to the changes of the user business environment

## Robust software solution

- **OntopView** : CS based integrated management tool(GUI tool)
- **Snapshot** : Support logical storage recovery and Point-in-time copy
- **Replication** : Supports remote data storing and recovery(internal/external)
- **T ransfer Agent** : Requires no extra development or system modification to link external system
- **SLB(SCALEWAY Load Balancer)** : Assures optimal storage performance by load-balancing
- **T CM(Transfer Control Manager)** : total data management solution by policy decision(automatic) or user discretion(manual) as deneneration, storage and transmission of various data



## System specifications

<b>HARDWARE</b>	Standard Configuration	Active / Active, Default 2nodes / Max. over 1,000 nodes
	Processor	Intel Xeon multi-core processor (Max. 2 CPU)
	Memory	Min.12GB ~ Max. 768GB
	LAN Connectivity	1GbE x 4 or 10GbE x 2 GbE, 10GbE, iSCSI, Myrinet, IB, HPS Supports
	Fibre Connectivity	Dual Fibre Channel Ports, 4Gbps or 8Gbps Optical - LC Type / Single, Dual (Option : Quad Port HBA)
<b>MANAGEMENT</b>	Clustering Management	Client Load Balancing Manager, Clustered File System Manager Concurrent
	File I/O Management	File Access & Block Level Locking Manager, Token Manager Automatic
	Availability Management	Journaling(Logging) of Metadata Manager, Physical & Logical Volume Manager
<b>FILESYSTEM</b>	Filesystem Size	Max. 8YB
	Marking File	File creation per filesystem (4,000,000,000 per filesystem)
	Marking Block Size	4KB ~ 1024KB
	Snapshot	Yes (Default Service) - Max. 256 per Filesystem
	Replication	Yes (Default Service)
<b>SUPPORT</b>	SAN FC Switch	Brocade, Cisco, Qlogic
	Storage	Standard FC Type
	Operating System	Windows NT/2003, Unix, Linux, Apple, etc.
	Protocol	TCP/IP, DHCP, NFS, CIFS, AFP, NDMP, SNMP, FTP, HTTP, Telnet, Like Wise, WebDev, AD(Active Directory), LDAP(Lightweight Directory Access Protocol), iSCSI



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