

# StorIQ

## TECHNICAL DATASHEET

# StorIQ NAS System 8.0

With the enormous growth of data volumes, effective infrastructure management today calls for the use of cost-efficient, performance-driven storage servers to give you the best possible, secure access to your shared files.

That's why INTELLIQUE has designed a new, original, open, Linux-based OS exclusively dedicated to NAS (Network Attached Storage) management: **StorIQ NAS**.

Ordinarily Linux network administration tasks just can't be done routinely off-hand by the non-initiated. To overcome this challenge, Intelligence has developed an exhaustive and intuitive administration interface providing straightforward, super-administrator level server configuration for non-specialists to:

- Manage users
- Integrate new hard disks and new partitions
- Configure network: bonding, interfaces, addresses
- Share files
- Configure iSCSI exports with thin provisioning
- Configure automatic supervision and report generation.

The **StorIQ** system is administered via a web interface featuring configuration tools for the system, servers, network and the hardware. All is remotely configurable using any web client. All tools function in both command line and graphic interface.

The configuration of NFS exports, integration with Active Directory, System Alerts by mail, and FTP export with virtual users are pre-installed; making for a fast and easy integration of StorIQ NAS system with your network in a matter of minutes.

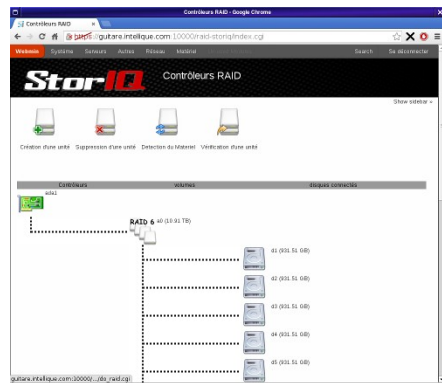
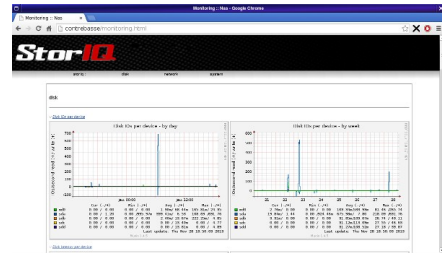
It is essential that NAS servers network interfaces are highly available. That's why we have installed as standard in **StorIQ** a set of tools that will enable you to set up your network interfaces using bonding in multiple mode support (802.3ad, active-backup, balance-alb, balance-rr, balance-tlb, balance-xor, broadcast) both for high availability and performance tuning.

**StorIQ** system administration can be clustered. That allows you to create users who will be able to administer your NAS remotely via the **StorIQ NAS** interface.

Standard integration of DRBD replication enables rapid set up of highly-available server clusters, in active-active or active-passive modes.

**StorIQ NAS** natively supports SAN set-up of multiple nodes via the OCFS2 file system (Oracle Cluster File System 2). You can also aggregate multiple NAS servers into a virtual file-space with LizardFS to build your own private cloud.

**StorIQ NAS** has been developed and is maintained to assure maximum durability and allows easy access to the most advanced technologies.



## Technical specifications

### System

Open and simplified administration  
StorIQ NAS OS based on Linux Debian distribution  
64 bit OS, unlimited size file system  
Web interface administration, command line, SSH, SNMP v2 and v3...

### Network

Advanced network administration  
Supports Infiniband, Fibre Channel, 10 Gigabit Ethernet  
Network port aggregation option (bonding)  
Scalable NAS and SAN IP features with thin provisioning.

### Security

Authentication and directories: Active Directory, Windows LDAP Kerberos NIS NIS+ domains  
Quota management by user, groups and by directory

### Share

File share for Windows: SMBFS, CIFS, support for extended ACLs  
File share for Unix and Linux: NFSv3, v4, support for extended ACLs  
File share for Apple: Appleshare protocol for Appletalk and Appleshare IP, support for large size volumes and files  
File share for Web Apache and FTP  
SAN IP protocol: iSCSI server (target) with thin provisioning and client (initiator)

### Compatibility

Compatible with VMWARE tools for virtualisation  
Support for snapshots, anti-virus and file-system encryption  
Compatible with client backup ware: Netvault, Tina, Arcserve etc.  
Compatible with server and VTL backup ware: netvault etc.  
Support for client OS: Microsoft Windows, Linux, Mac OS X, Solaris, etc.

► Technologies supported by **StorIQ NAS**

