intellique
Open Source Storage Solutions

22 quai Galliéni 92150 Suresnes Cedex - FRANCE
Phone +33 178 948 400 – Fax +33 178 948 409
www.intellique.com - sales@intellique.com

StorIQ

TECHNICAL DATASHEET

StorIQ NAS System 6.0

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 Intellique 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 developped and is maintained to assure maximum durability and allows easy access to the most advanced technologies.
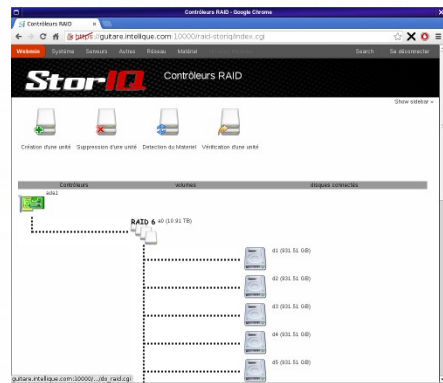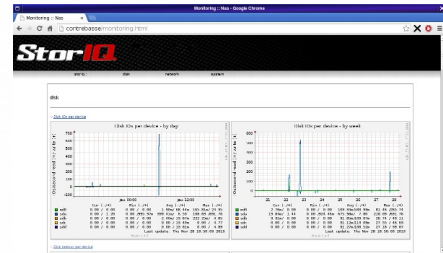
Technical specifications

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 nd 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**

debian · Western Digital · LIZARDFS · orangeFS · OpenZFS