



**Network Storage Gateway
IntelliNAS Clustered Failover**



- ◆ **Automatic Failover with notification**
Designed to support data availability for an unavailable IntelliNAS storage system and notify an administrator of failover.
- ◆ **Manual failover and giveback**
Designed to enable planned maintenance on an IntelliNAS storage system while avoiding impact to data availability; administrators can control when to restore a clustered system to its normal state.
- ◆ **Non-impacting failover**
Designed to avoid impact of a failover to end users so they can continue to access data in the same manner after a failover .
- ◆ **Availability across any distance**
Builds both local and remote clusters for local availability and disaster recovery
- ◆ **Simple to install, configure and maintain**
Wizard guided installation for easy implementation and management.
- ◆ **Support of both file and block level replication technologies**
Flexible, reliable and high performance replication for all customer applications
- ◆ **Centralized Management for both file and block based storage**
Web based management allows users to manage their system via remote browsers from any place in the world and preserve investment in staff expertise by using same management tools.



Data is the key asset of today's businesses, and supporting high data availability and accessibility is essential. Loss of data can result in lost productivity, revenue and even customer loyalty. IntelliNAS V9000 series with Clustered failover is designed to provide a robust and highly available data service for business-critical environments. Installed on a pair of IntelliNAS V9000 series storage systems, Clustered Failover improves data availability by transferring the data service of an unavailable V9000 storage system to the other V9000 storage system in the cluster. The data transfer service continues without impact to end users and applications. It is designed to allow the data service to quickly resume while avoiding interruption to business operations.

Availability across any distance

3Gen Data Systems designed IntelliNAS Clustered Failover for mission critical applications that must remain online even in the event of a site failover. IntelliNAS Clustered Failover provides disaster recovery across any distance. Clustered Failover allows organizations to deploy both local high availability and remote clustering for complete disaster recovery.

Open, Standard-based solution for easy integration

3Gen's Cluster Failover supports open, industry standard protocols such as NFS and CIFS, for easy data access and application integration-as opposed to other clustering solutions that require server assistance and often require each application vendor to write to a closed, proprietary API in order to achieve data protection.

Ease of Management

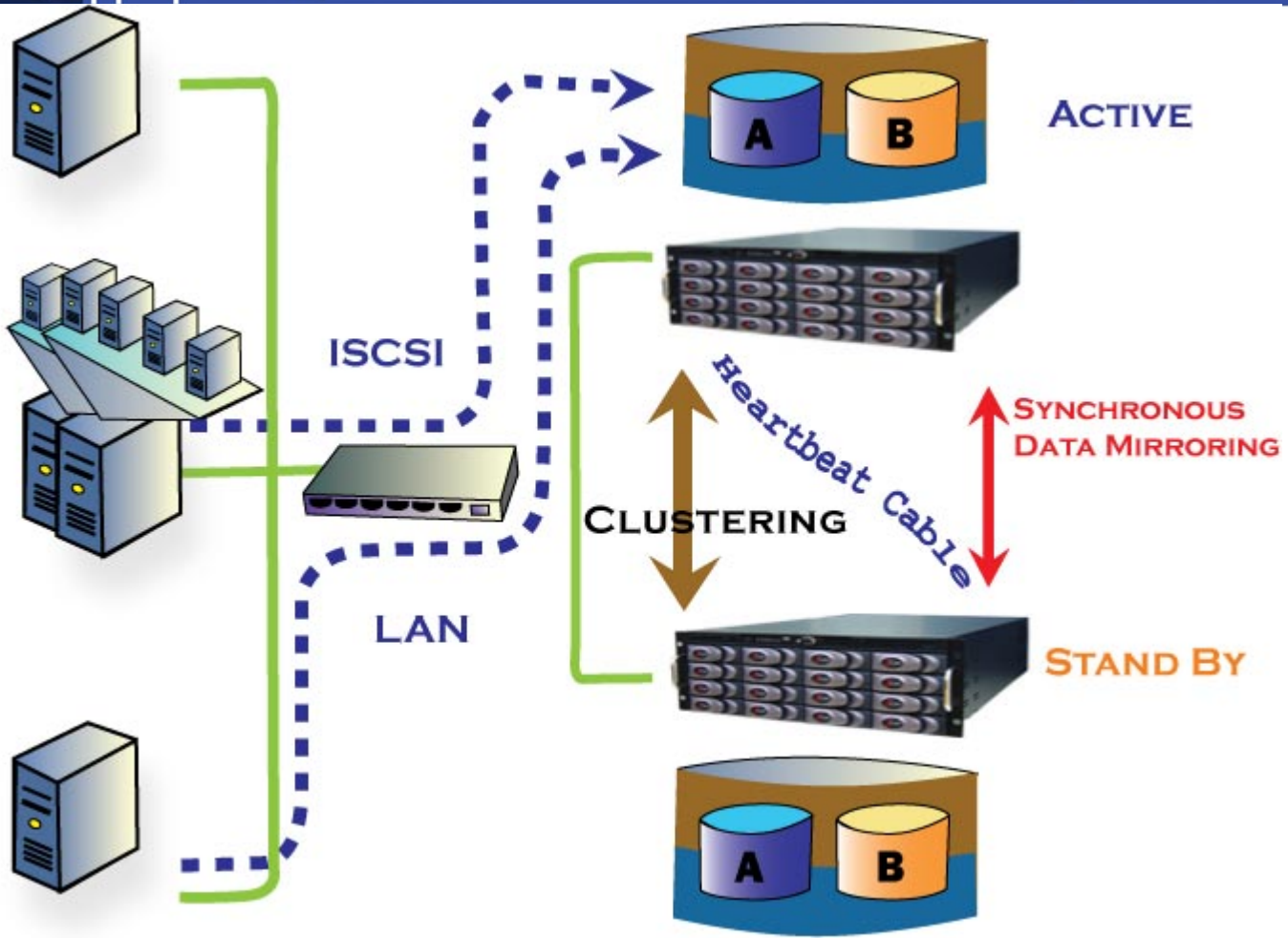
3Gen's Clustered Failover provides administrators with easy-to-use configuration wizards for simplified storage management and cluster implementation. The web based management software allows users to manage their storage systems via web browsers from any place in the world. Thin provisioning helps eliminate stranded storage. Preserve investment in staff expertise and capital equipment with IntelliNAS series that is based on industry proven 3GenNAS Operating System and using the same management tools. While 3Gen's products are always on the cutting-edge, our customers can rest assured that easy-to-use stays on top of 3Gen's design philosophy. 3Gen is committed to bringing advanced Information Life Cycle Management features to all businesses.



the next generation of business machines



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Clustered Failover Overview

Clustered Failover is implemented as add-on licenses to 3GenNAS operating systems, the 6-year-old 3Gen operating system with powerful features such as WORM NAS, snapshot and file / block level remote mirroring. Clustered Failover software runs on the full range of IntelliNAS V9000 series network storage product line that provides high performing and extremely reliable SAN storage systems. This flexibility allows customers to buy the amount of storage that fits their business needs, whether it is a few hundred gigabytes or hundreds of terabytes of data.

Cluster Failover software provides automatic and manual failover. It is designed to constantly monitor the health of clustered V9000 storage systems. If a system detects a catastrophic hardware failure, it is designed to automatically initiate a failover operation to transfer the data service to its partner V9000 storage systems. Once the failover operation is complete, the takeover V9000 storage system will resume the data service for the failed V9000 storage system. This will ensure high data availability to all mission critical applications. In addition, administrator can initiate failover for planned system maintenance activities while avoiding impact to end users and critical applications.



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