

ReadyNAS Replicate[™]
Simplifying Offsite Backup
Management

Abstract and Audience

This Solution Overview describes ReadyNAS Replicate and the business benefits it offers to organizations. With high-level solutions to common business IT challenges, NETGEAR Solution Overviews can prove valuable to end users, Value-Added Resellers (VARs), and IT managers in the initial inquiry stage of a storage deployment.

The Need for Reliable, Affordable, Simple Offsite Backup Solutions

Data is the lifeblood of any organization. When developing products, communicating with customers and partners, and making business decisions, enterprises around the world rely on having the right business information at their fingertips. Making sure that information stays safe from system failures, intruders, and attacks is paramount to business continuity. As a result, data backup, restore, and disaster recovery measures are an essential component of IT infrastructure. While IT organizations know the importance of these data protection strategies, they can be difficult and expensive to deploy and manage in midsized companies and remote locations.

Offsite backups provide the built-in redundancy needed to reduce downtime, increase application availability, and ensure valid information is available when planned downtime occurs or disaster strikes. As storage volumes grow, backing up information to an offsite location becomes challenging, especially for companies and remote offices without a dedicated IT staff. Budget constraints add to the strain, keeping the right equipment or expertise out of reach. IT organizations need a fresh approach — reliable, affordable, simple solutions that deliver data availability and security without adding undue complexity or requiring expensive consultants or complex licensing schemes.

ReadyNAS Replicate from NETGEAR

ReadyNAS Replicate is changing the face of offsite backup deployments. Designed to simplify backup, restore, and disaster recovery procedures across multiple locations, ReadyNAS Replicate makes it easy to protect business data against downtime. This innovative software gives IT organizations everything they need — data backup and replication capabilities, fast restore times, efficient storage utilization, real-time monitoring and reporting, and more — via a single point of management. By combining NETGEAR ReadyNAS systems and ReadyNAS Replicate, companies can create simply smarter data protection solutions.

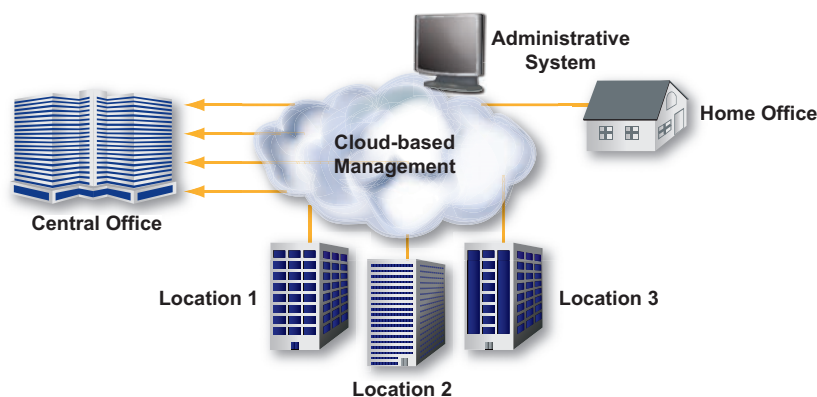


Figure 1. ReadyNAS Replicate centralizes management for multiple sites.

Key Highlights

- Backup and replicate data for greater reliability and data protection
- Backup many ReadyNAS systems to a single device, or one ReadyNAS system to multiple devices for greater redundancy
- Restore files quickly and ensure the right data is available when needed
- Save time with a centralized management approach that lets administrators set up jobs in minutes rather than days or weeks
- Automate processes and eliminate complex, error-prone scripting
- Gain visibility into the backup and replication process so that problems can be addressed the moment they happen
- Save on disk space and optimize network utilization
- Take advantage of a simple, cost-effective data protection solution and save

Backup and Replicate Data for Greater Reliability

Ensuring business continuity in the face of adversity requires trustworthy data. ReadyNAS Replicate lets companies backup valuable business information — individual files or entire systems — and replicate it to one or more sites for maximum protection. Using built-in best practices and automatic point-in-time snapshots, ReadyNAS Replicate ensures all copies of data are consistent from the moment backup and replication jobs are started. By standardizing offsite backups and disaster recovery mechanisms, companies can safeguard information and improve data reliability.

Protecting information and ensuring business continuity does not stop with backing up data. The ability to restore files quickly is key to ensuring the right data is available when needed. With ReadyNAS Replicate, IT staff can browse backups and the information to restore. Files are automatically and quickly placed on the original ReadyNAS system, or another ReadyNAS system available on the network. The result is fast access to trusted data located at multiple sites for greater reliability, availability, and business security.

Simplify Management

Managing backup strategies can be challenging, particularly for organizations with remote office locations. The problem is exacerbated when different backup tools and strategies are deployed. IT managers end up struggling to determine how and when solutions are getting used, and whether or not data is backed up in a safe and routine manner. ReadyNAS Replicate provides the visibility and consistency needed to manage enterprise data and multi-site backup jobs as an integrated whole. With a cloud-based management approach, built-in virtual private networking, and flexible backup configurations, ReadyNAS Replicate simplifies data backup and replication tasks.

With ReadyNAS Replicate, administrators can schedule backup jobs, restore files, backup and restore an entire system, and enable and disable jobs, all through a single, intuitive browser-based interface. Easy installation, configuration, and management features, combined with process automation, simplify administrative effort so that staff can spend time on other business priorities. The system can backup many ReadyNAS systems to a single device, or one ReadyNAS system to multiple devices for greater redundancy. All data travels through the system using a built-in, secure private network, simplifying data protection setup across an organization and eliminating the need for complex networking solutions.

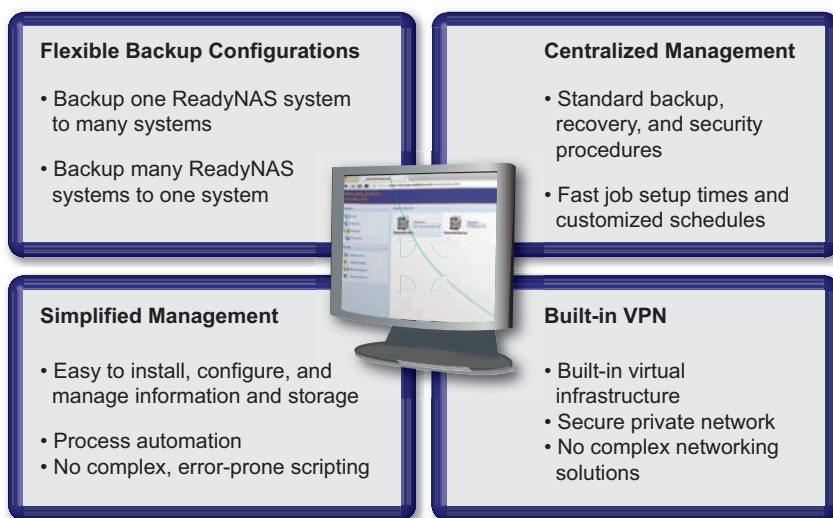


Figure 2. ReadyNAS Replicate simplifies backup management.

Gain Visibility

When a crisis hits, companies must be able to depend on known good backups. The best way to ensure data is reliable is to know whether or not scheduled backups take place on time and complete successfully. ReadyNAS Replicate gives IT organizations visibility into the backup and replication process so that problems can be addressed the moment they happen. Real-time monitoring facilities and email alerts keep IT staff up to date on job status, enabling organizations to rest assured that data is secure. In the event a problem is experienced, IT staff can consult detailed backup and restore reports to gain insight and identify issues for resolution.

Optimize Storage Infrastructure Utilization

With a greater number of users creating demand for services, IT infrastructure is being pushed to the limit. As these users continue to add to already large data volumes, storage capacity and network bandwidth are being consumed at a phenomenal pace. ReadyNAS Replicate can help IT staff save on disk space and optimize network utilization. Companies can decide whether every file, or only select files, are maintained in backups. Whether organizations choose to keep one version or many, ReadyNAS Replicate optimizes disk space utilization by including only changed files, minimizing the amount of disk space needed without sacrificing data security. In addition, IT staff can take advantage of the compression facilities included in ReadyNAS Replicate to reduce the amount of data stored and sent across the network up to 66 percent, minimizing the impact on the LAN or WAN.

Save Money with an Affordable Solution

In today's challenging economy, smart IT managers are looking for ways to keep geographically dispersed data safe while making the most of their budgets and resources. Licensed per ReadyNAS system, ReadyNAS Replicate provides simple, cost-effective data protection for organizations that lack storage specialists or cannot afford expensive IT solutions. As the company or data volumes grow, the system can be scaled to support more locations by purchasing additional software licenses. In addition, ReadyNAS Replicate lets IT organizations take advantage of existing infrastructure investments. No new hardware is required for ReadyNAS Replicate deployment. As a result, IT organizations can optimize the utilization of existing systems and networks and save.

Protect Data with NETGEAR

Unlike vendors that offer expensive and complicated backup solutions, NETGEAR delivers simple solutions that help IT organizations create elegant, full-featured data protection without breaking IT budgets. With ReadyNAS Replicate, companies can take advantage of a simple to buy, install, and use solution that is right-sized and optimized for data management and protection, and create a smart IT infrastructure that costs less to run.

NETGEAR, the NETGEAR logo, Connect with Innovation, ProSafe, ProSecure and ReadyNAS are trademarks and/or registered trademarks of NETGEAR, Inc. and/or its subsidiaries in the United States and/or other countries. Other brand names mentioned herein are for identification purposes only and may be trademarks of their respective holder(s). Information is subject to change without notice.
© 2011 NETGEAR, Inc. All rights reserved.

NETGEAR® Inc.
350 E. Plumeria Drive
San Jose, California 95134
Telephone: (408) 907-8000
Fax: (408) 907-8097

sales@netgear.com
www.netgear.com

NETGEAR®
Connect with Innovation™