OVERLAND TANDBERG

rdx QUIKSTOR

RDX® QuikStor™ NAS Data Protection and Archive

USE CASE

Easy to use backup-solution for NAS systems to meet compliance requirements with offsite data protection

For businesses and professional users NAS (Network Attached Storage) has become a standard multi-purpose storage device. Supporting file sharing capabilities within local networks and wider cloud connectivity. NAS systems can include applications that work with data stored on the NAS. Examples of these are media streaming video surveillance applications. NAS can be used as a redundant layer for data protection and backup. However, it is important to note that on-line NAS systems like any other on-line storage is susceptible to loss of valuable data occurring from human errors, natural disasters, hardware or software malfunction cyber-criminal attacks and other risks.

RAID is not a guarantee against data loss

Most users feel confident that RAID (Redundant Array of Independent Discs) functionality of a NAS is a sufficient method for protecting data. RAID protects the data from a failing disc drive by storing parity information on all HDDs which allows the RAID system to read and write data with the remaining disc space.

RAID technology does not protect against any of these incidents; e.g. Disc controller failure, entire NAS system breakdown, local disaster, a virus or ransomware attack, simple user accidents, and other risks.

RDX QuikStor for NAS: rugged, removable and simple

RDX QuikStor media-based removable storage system connected to NAS offers rugged, reliable and convenient storage for backup, archive, data interchange and disaster recovery. An established standard since 2006 providing enterprise performance and access, with transfer rates and capacities up to 5TB per cartridge. The RDX drive can be connected to the NAS system, available for backup and archive tasks. Multiple pieces of media can be alternated for a media rotation scheme that includes off-site storage and data vaulting. The media incorporates a rugged design tough enough to handle demanding and harsh environments, is reliable, fast, and easy-to-use.

Challenges

- NAS administrators seek ways to back-up their NAS
- RAID technology doesn't replace back-up for data protection
- Lack of data management skills
- Regular automated NAS backups can be difficult to manage
- Professional off-site backup for disaster recovery is difficult to manage and costly.

Customer Needs

- Reliable and compatible data protection solution
- Easy connectivity and integration
- Meet business data compliance requirements
- Offsite backup copies for disaster recovery and compliance
- Easy automatable use and operation
- Affordable value filled solution
- Can safeguard against malice unauthorized use
- Ability to rotate media with offsite storage for full data protection

The simplicity of RDX QuikStor enables less practiced users to perform daily IT operations with commonly known tools to protect their business-critical data and automate the backup process in offices which do not have dedicated IT staff.

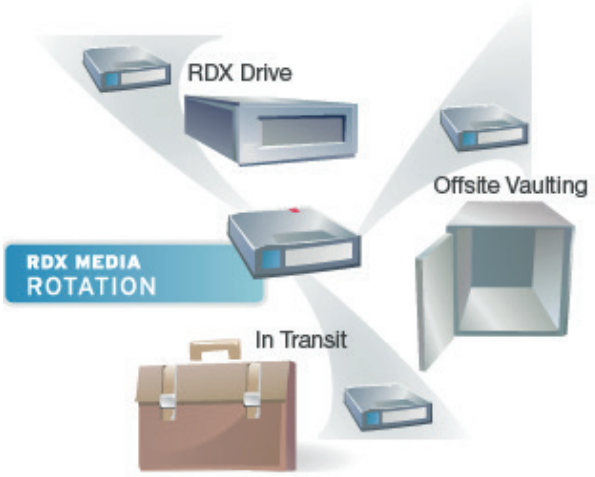
Why backup is important

For businesses that rely on data, protecting those assets is essential in order to continue after a catastrophic data loss event. Data loss could mean the loss of information which can never be recovered or rebuilt. There are endless reasons for data loss or a partial data loss, for example, a Ransomware attack could lock your data, a user could accidentally or purposely delete data that is important to continue with your business and hardware and/or software solutions and updates can cause data loss or delay in business continuity. A good backup strategy is vital for business stability and should be incorporated as part of every business continuity plan.

Every business is different in some way, backups of new or changed data need to be done with regularity to support business needs. It is recommended to have several data copies on multiple devices or media in different locations. The data restore process must also be verified to demonstrate and provide confidence in the data protection strategy in the event of catastrophic data loss.

RDX Customer Value

- Multi-layer data protection ability (Near line, Offline copies, and clones)
- Multiple operating system compatibility
- Low purchase cost and TCO optimizes budget
- Low administration costs, ease of use and connectivity
- Versatile portability in Drive and Media
- Meets compliance requirements for electronically stored data
- Higher level of durability than ordinary external storage



Built in backup routines

Most NAS systems in the market provide built-in software applications for data backup to a preferred data storage target location. This software is either pre-installed or available for download at online stores or market places.

In this use case, RDX QuikStor data storage is a best practice, no compromise data storage target solution to backup NAS. The RDX QuikStor system easily integrates as an external device with the benefit of a removable media, and in some cases the NAS software is built around RDX and is able to eject the RDX media after a backup job is finished supporting media rotation polices as an alternative to the RDX eject button.

RDX Media rotation for full disaster protection

The removability of the RDX media allows the implementation of data protection best practices by rotating cartridges to provide multiple layers of protection. One media would reside in the QuikStor system ready for the backup, another media is located offsite at an external location and the third one is on its way either to or from the office. A media rotation scheme with at least three media allows you to meet most disaster protection and business compliance requirements.