Overland Tandberg

rdx QUIKSTOR

Adding RDX® QuikStor® to your disaster recovery plan for backups to NAS with Veeam Backup & Replication

Seamless integration of NAS systems with VEEAM Backup & Replication enables efficient backups with disaster recovery capabilities to RDX removable disk.

In virtualization-powered data protection, disk storage systems are preferred for central storage and primary backup targets. In addition, a secondary backup target such as tape or removable disk is highly recommended to achieve full disaster and cybersecurity protection.

RDX QuikStor

As an established standard, with attributes beyond other simple data storage products, RDX is the trusted removable disk technology. The tough, armored design provides a reliable and valuable data repository. On-the-go capability makes it ideal for off-site disconnected storage for disaster recovery, and builds the lifeline for all data.

Veeam Backup & Replication

Veeam Backup & Replication offers fast and reliable backup and restore of VMware vSphere® and Microsoft® Hyper-V Servers and data. Veeam Backup & Replication consolidates backup and replication into one product and sets the new standard for Backup and Recovery by leveraging the benefits of virtualization with Veeam vPower-Technology.

Solution Benefits
• **Comprehensive:** Complete data protection solution for virtualized environments
• **Secure:** 2-tier backup with removable storage for full disaster and malware protection
• **Performance:** maximising productivity and reducing downtime
• **Future proof:** easily scales as your data grows
• **Simplicity:** easy to install and use
• **Value:** reducing the cost of storage
• **Compliance:** enables businesses to meet regulatory requirements

Implementing a comprehensive Disaster Recovery Solution

NAS systems provide data protection features like RAID or replication capabilities, but a backup copy is still necessary to address accidental or inadvertent deletions and system failures. To be fully protected against site failures, at least one backup copy should be stored off-site as the last line of defense.

Adding a secondary backup task to an RDX QuikStor removable disk system, provides an easy-to-deploy backup solution that meets offsite compliance requirements. In case of a disaster or virus and ransomware attack, VMware and Hyper-V host configurations as well as data can be easily recovered from an RDX media.

# Easy RDX QuikStor integration into VMware environments

VMware allows passing through SATA and USB ports from the ESXi host to a guest machine, which can utilize RDX QuikStor SATA III or USB 3.0 systems for backup applications. So, Veeam Backup & Replication can be installed on a virtual machine and access its individual RDX system. If using a controller with multiple ports, VMware is able to share the ports among multiple VMs utilizing individual RDX QuikStor systems.
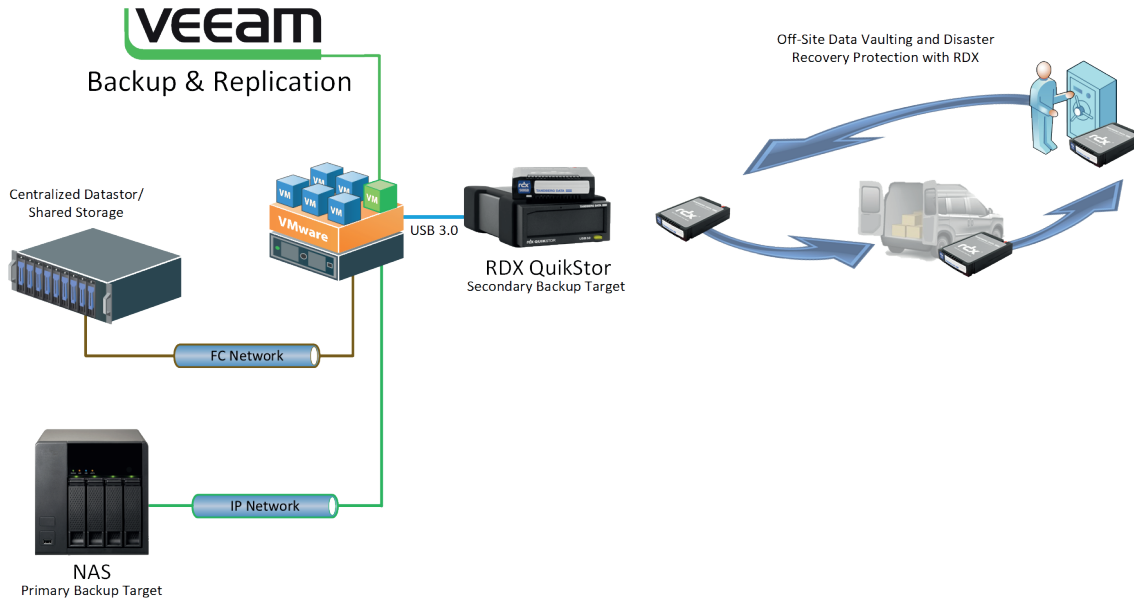
RDX QuikStor Hyper-V deployment

Hyper-V server connectivity

SATA III internal systems and USB systems can be installed directly into a Hyper-V server to provide a complete solution including backup capabilities with hardware encryption* to a removable storage media. The RDX system is then used as a secondary backup repository for Veeam Backup & Replication running on the Hyper-V host.
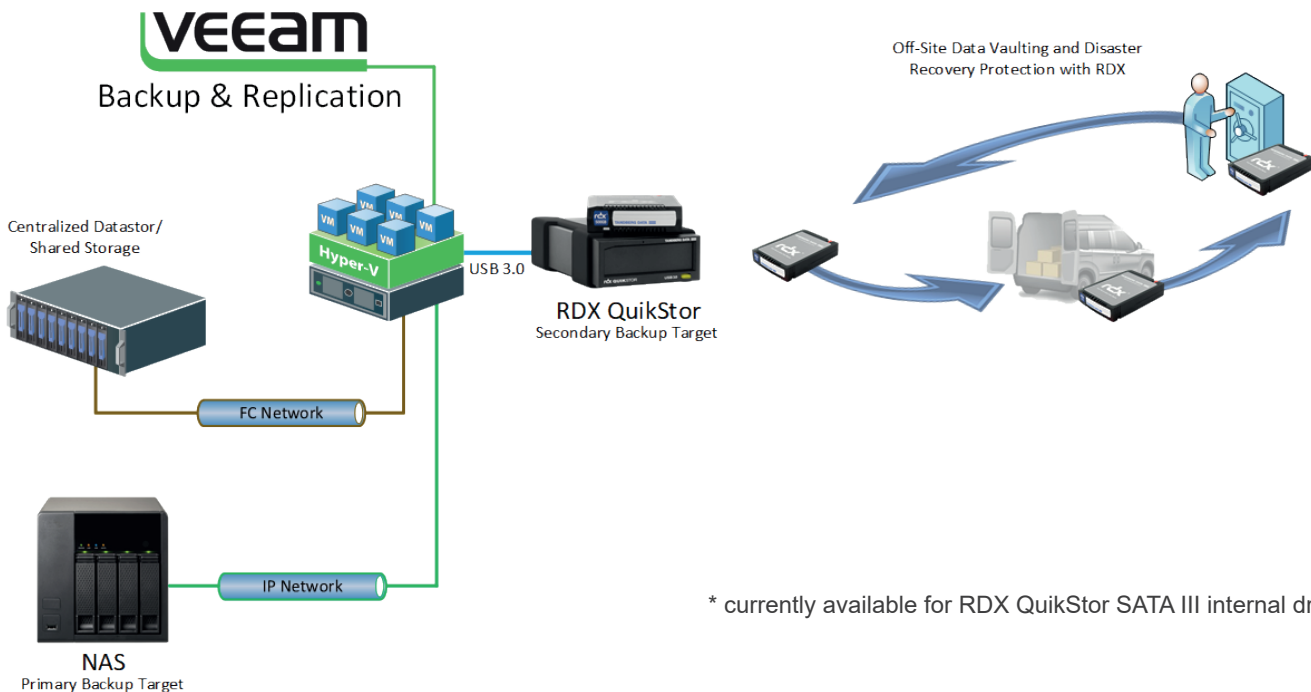
* currently available for RDX QuikStor SATA III internal drives

Individual VM connectivity with network attached RDX

Allocating local attached removable storage to Hyper-V virtual machines is practically impossible. Consequently, users refrain from implementing this solution and many customers rely on network attached storage for backup. The validated combination of RDX QuikStor USB systems and the USB device server, provide fast, easy and cost efficient deployment in your existing ethernet network. The USB device server transports the USB protocol over the ethernet network protocol, so the RDX system can be accessed by individual Hyper-V VMs as a backup repository for Veeam Backup & Replication.
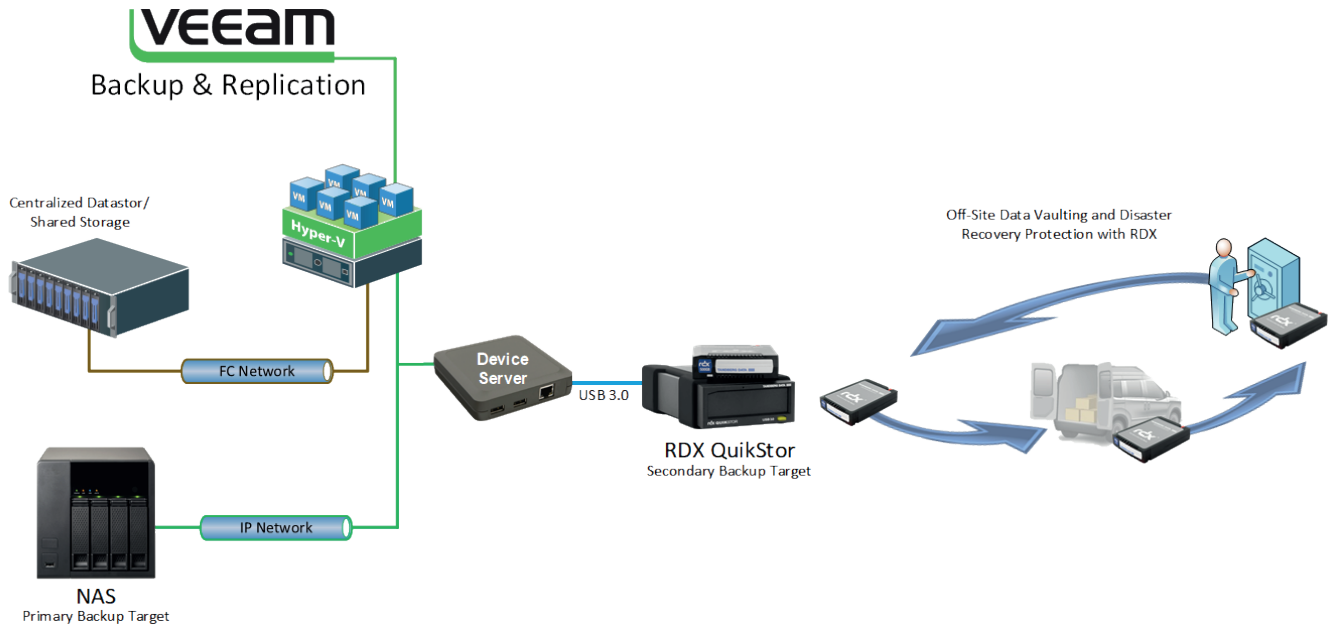
QuikStor integration in Veeam Backup & Replication

RDX QuikStor systems (USB3.0 and SATA III) and media are fully compatible with Veeam Backup and Replication software. During the initial setup the RDX QuikStor system is detected by Veeam as a removable disk device, the user must select the retention policy for the RDX device, this will determine the number of restore points Veeam will retain on each RDX media that is inserted into the RDX system.

The removability of RDX media provides full cyber-attack protection. With encryption and multi-layer password protection, business data is secure even if the RDX media is stored off-site.

Additional Resources

For more information on Veeam Backup & Replication integration, visit our solution page on the Tandberg Data website.

RDX QuikStor Drives

Product	RDX QuikStor, External Drive	RDX QuikStor, Internal Drive	RDX QuikStor, Internal Drive
Form Factor	External desktop	Internal with 3.5 in. bezel	Internal with 5.25 in. bezel
Connectivity	USB 3.0	SATA III and USB 3.0	
Performance	up to 260MB/s, depending on media type	up to 330MB/s, depending on media and interface type	
RDX Media Capacity Points	500GB, 1TB, 2TB, 3TB, 4TB, 5TB (HDD); 1TB, 2TB, 4TB (HDD, WORM)		
Operational mode	Removable Disk Mode and Fixed Disk Mode for integration with Windows® Backup (Fixed Disk Mode USB interface only)		
Hardware Encryption	n/a	SATA III interface only	
Physical Specs			
Height	41mm (1.63 in.)	41mm (1.63 in.)	52mm (2.04 in.)
Width	102mm (4.00 in.)	146mm (5.78 in.)	110mm (4.32 in.)
Length	159mm (6.28 in.) incl. bezel	170.72mm (6.72 in.) incl. bezel	178mm (7.00 in.) incl. bezel
Weight	408g (0.9 lb.)	635g (1.4 lb.)	615g (1.35 lb.)
Standard Warranty	3-years OverlandCare Bronze Level (3-Years Advanced Replacement Service)		

RDX QuikStation Appliances

Product	RDX QuikStation 4		RDX QuikStation 8
Form Factor	1U rackmount or desktop		2U rackmount
Connectivity	iSCSI		
Performance	4 x 1 Gigabit Ethernet speed		2 x 10 Gigabit Ethernet speed
Capacity	20TB using 4 x 5TB media, unlimited offline capacity		40TB using 8 x 5TB media, unlimited offline capacity
RDX Media Capacity Points	500GB, 1TB, 2TB, 3TB, 4TB, 5TB (HDD); 1TB, 2TB, 4TB (HDD, WORM)		
Operational mode	4 RDX removable and fixed disk drives 1 logical volume across all RDX drives* 1 protected logical volume across all RDX drives* Emulated disk autoloader		8 RDX removable and fixed Disk drives 1 protected logical volume across all 8 RDX drives* 2 logical volumes across 4 RDX drives* 2 protected logical volumes across 4 RDX drives* Emulated disk autoloader, tape automation modes and hybrid mode
Physical Specs	Rackmount	Desktop	Rackmount
Height	43mm (1.69 in.)	68mm (2.68 in.)	86mm (3.4 in.)
Width	440mm (17.32 in.)	464.5mm (18.94 in.)	440mm (17.32 in.)
Length	478mm (18.82 in.)	481mm (18.94 in.)	521mm (20.5 in.) incl. bezel
Weight	11.3kg (25 lb.)	13.6kg (30 lb.)	14.96kg / (33.3 lb.)
Standard Warranty	3-years OverlandCare Bronze Level (3-Years Advanced Replacement Service)		

* Logical volumes are available in fixed or removable mode. Total capacity is media and operation mode dependent.

Sales and support for Overland-Tandberg products and solutions are available in over 90 countries.
Contact us today at sales@overlandtandberg.com

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