Networked RDX QuikStor

Easy integration into existing ethernet networks

Network attached devices are part of the basic equipment of every IT environment. Whether printers, scanners or storage systems, a network connection offers many advantages over a direct attach solution.

Increased connectivity

Data protection and disaster recovery require easy backup storage integration and portable storage media. The network attached RDX QuikStor provides the benefit of both: Simplified network connectivity and removable disk storage.

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 business data.

The network connected RDX solution offers greater flexibility. The device easily integrates into the existing ethernet environment and offers extended usability. The RDX system can be placed on the desk of the IT operator. Now he does not need to walk to the data center to perform media and rotation operations.

Simple integration into virtualisation

Hyper-V deployment

Usually, backup storage devices are centrally attached to the hypervisor server to perform backup tasks for the entire environment, as allocating local storage to Hyper-V virtual machines is practically impossible. With the network connected RDX system, backup tasks can be performed on individual VMs. The removability of RDX media ensures full disaster and malware protection. This can be deployed by either using dedicated devices per VM or sharing one system sequentially.

Easy failover with VMotion

VMotion enables the live migration of VMs from one physical server to the other. This might be necessary due to utilisation optimisation, maintenance reasons or failover. It is mandatory, that storage devices have to be continuously accessible regardless of the server hardware. This can be implemented by using network attached RDX QuikStor. The new server hardware accesses the RDX by using the same network address to ensure constant data availability.

Challenges

- Security guidelines limit the deployment of removable storage systems
- Server virtualisation requires network attached storage
- Most storage solutions are cost-intensive and complex to manage within a virtual environment
- Edge computing and Industry 4.0 have new requirements for Data protection and ensuring business continuity
- Spatial separation of server and storage is often required due to security reasons

Solution Benefits

- Increased flexibility und usability
- Low cost and budget friendly
- Simplifies deployment of removable storage for disaster and ransomware protection for physical and virtual environments
- Solves many issues protecting individual virtual machines on Hyper-V
- Use removable disk storage with virtual machines on Hyper-V
- Integrates into VMWare VMotion
- Backup data spatial separation with RDX
- Eliminates access limitations of datacentres

Device sharing and overcoming local boundaries

The network attached RDX QuikStor system, can be shared amongst several systems. After a storage task has finished, the current connection can be discontinued, and the RDX can be assigned to another system. This is ideal for small offices with 2 or three users, utilising RDX for individual backup or archiving tasks.

For backup, media rotation is best practice to provide multiple layers of protection against local disasters or virus and malware attacks. Very often, the RDX system is located in the datacentre with limited access for personnel. So, if one RDX media needs to be ejected for off-site storage, busy IT-staff need to take care of it. The network attached RDX QuikStor system can be placed near the workplace of the clerk where he can easily handle removing and inserting RDX media.
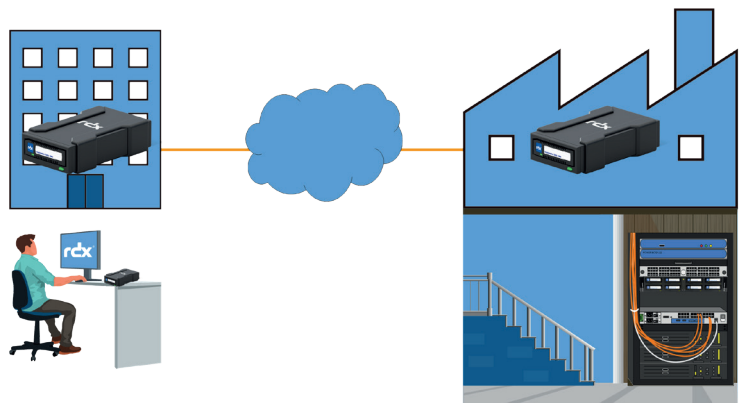
Security requirements

Many companies have specialised connectivity limitations. Their sensitive data needs to be protected to avoid virus infection or malware attacks by uncontrolled use of external storage devices. Therefore, local attached storage devices will not be accepted, and administrators block USB ports at laptops, desktops or servers.

However, many companies do not want to give up removable media because they need to store data off-site for compliance and data protection reasons. The network attached RDX solves this problem. The removability of RDX media ensures normal data restore operation and full data protection in case of either disaster or virus and ransomware attacks. RDX is an essential part for every businesses backup business continuity strategy in either a virtual, physical or hybrid IT infrastructure.

Network attached RDX

The validated combination of RDX QuikStor USB systems and a USB device server, provide fast, easy and cost-efficient deployment in your existing ethernet network. The USB device server converts the USB protocol into the ethernet network protocol. With this, virtual machines can easily access the RDX removable disk systems with all its features and functions for internal backup, storage or archiving tasks.

Conclusion

The network attached RDX extends the flexibility of removable disk systems substantially and introduces additional use cases. Especially in virtual environments, the network attached RDX offers the advantage of removability which would be difficult to deploy.

Edge Computing, Industry 4.0 and IoT are producing an immense amount of data. Since this data is the foundation for later analysis, it needs special protection. The networked RDX solution fits perfectly in these environments.

But also, small businesses benefit from the network attached RDX by sharing the device amongst users. This protects the IT budget.