

Using RDX® with Google Backup and Sync

Build your Hybrid-Cloud solution, control cost and ensure business continuity

SOLUTION BRIEF



Hybrid-Cloud and Multi-Cloud solutions are established in IT architectures. However, protecting your data to ensure business continuity and controlling costs is challenging. Complementing your Hybrid-Cloud with local, secure and easy storage will help you succeed.

Google Backup and Sync

Google Backup and Sync is an application for Windows and Mac that synchronises data from local hard drives or USB-attached devices to the Google Drive Cloud and vice versa. Google Drive offers 15GB of free storage and allows upgrading up to 30TB for a monthly fee.

The installed Backup and Sync application notices any changes, deletions or additions of files or directories locally or in Google drive, and immediately syncs the corresponding partner. Syncing is performed on directory-level including all subdirectories.

RDX® QuikStor® removable disk system

The Overland-Tandberg RDX QuikStor is an established standard, with attributes beyond other simple data storage products. RDX is the trusted removable disk technology. The tough, armoured design provides a reliable and valuable data repository. On the go capability makes it ideal for off-site disconnected storage for disaster recovery. Your Lifeline for all your business data.

Why RDX?

RDX is an affordable and easy to use removable storage device that helps businesses with business continuity and control their cloud storage costs. Data is growing exponentially and this requires more and more cloud storage and generates unpredictable storage costs if keeping and accessing all data in the cloud. With RDX, users can save cloud storage by archiving data to RDX that can be deleted from the cloud afterwards and have them local for fast access at no restore costs. Independent of your Cloud, RDX media ensure business continuity by taking data Off-line/site for disaster recovery capabilities and instant data access when you need it.

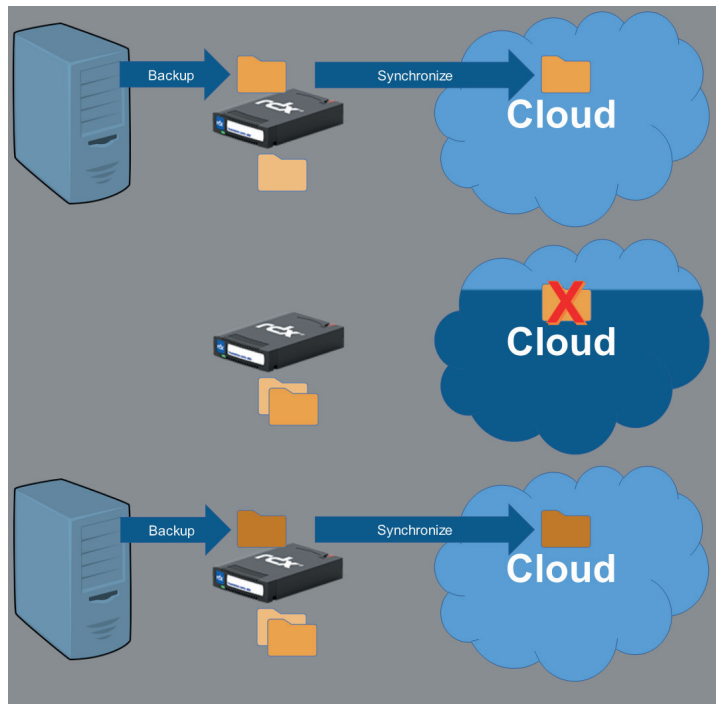
Solution benefits

- **Hybrid-Cloud data protection**
Software controlled media removability and easy handling provide Air-Gap security and Data To Go capabilities for business data and Cloud integration without capacity limitations with off-site vaulting
- **Hybrid-Cloud solution**
Controls cloud storage cost by keeping cloud storage capacity low
- **Business continuity**
Provides two-tier backup strategies with local and off-site backup data copies for disaster recovery. You always have your data available even when the Cloud network link is down or it would take hours/days to get them from your Cloud provider.
- **Workflow integration and data management**
Allows simple data transfer and cloud seeding
- **Compliance data management**
RDX WORM media software solution has been assessed by KPMG for compliance archiving and workflow integration.
- **Multi-Cloud and Cloud data migration**
Transform your IT and Multi Cloud solutions and switch your data with RDX Media between Cloud applications with high transfer rates.

Using RDX and Google Backup and Sync for a 2-tier backup scenario

Following the traditional 3-2-1 backup strategy, backup administrators should keep three copies of their data, using two different backup media and keeping one copy off-site. Implementing a backup environment with RDX and Google Backup and Sync fulfils these requirements. By using RDX as a primary backup target, users benefit from a local backup which also includes system information to perform a bare metal recovery in case of a total system crash. Due to the high data transfer rate and the random file access capabilities, RDX allows fast restores. In addition, users can utilise the optional RDX RansomBlock software for additional protection against virus and ransomware attacks.

Weekly or monthly backup-folders can be deleted from the cloud as they remain on RDX



By synchronizing the backup set to Google Drive using Google Backup and Sync, the backup data is kept off-site as well. This protects the business data against local disasters.

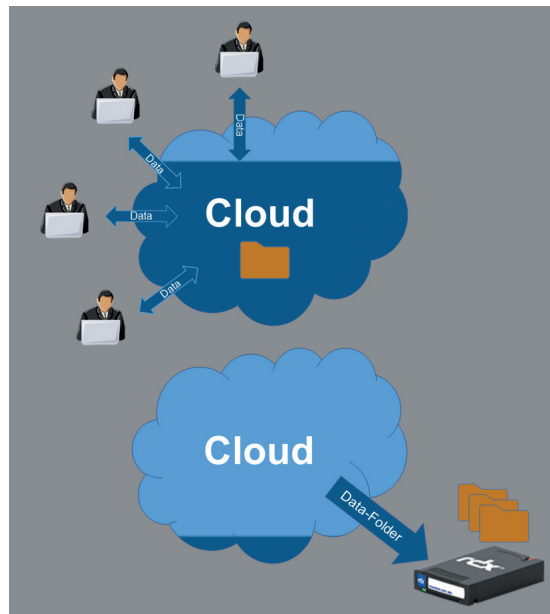
To save cloud storage space, users can delete the backups from Google Drive after a week or a month according their space requirements. This can be done simply as backup data are stored on RDX media and contain all data. As Google Backup and Sync tries to recover deleted files from the partner system, it is recommended to work with folders. A new folder should be created on RDX and introduced to the backup software and Google Backup and Sync. Backups will be written to this new directory and synchronized to Google Drive. Now, the previously used directory can be deleted on Google Drive to free up cloud storage space.

Using RDX and Google Backup and Sync for project collaboration

Cloud storage is an ideal data repository for project collaboration, where multiple project members need to share data or need to work on the same document. As Google Drive supports versioning of the same data, previous data will not get lost and can be reviewed for later discussions.

As the amount of data is growing in the course of the project work, the available storage capacity of the cloud will be consumed. After a project has been finished, the data can be transferred to RDX to free up cloud space and to control cloud cost.

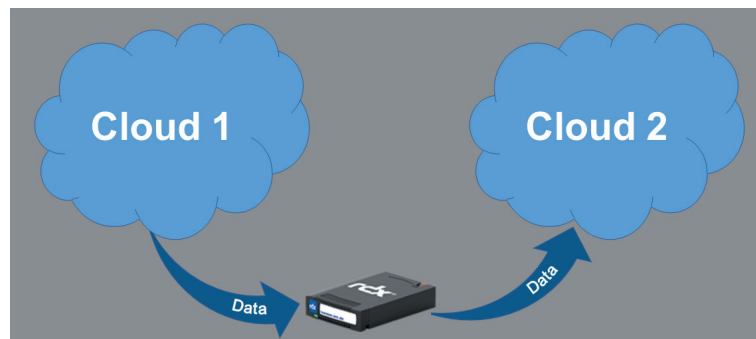
To implement this approach, each project data should be stored in an own directory. The directory is integrated into the synchronisation process, so data generated is automatically transferred to the corresponding directory on RDX media. At the end of the project, the directory can be deleted in the cloud, as it remains on RDX as an archive. In case of re-opening the archived project, the appropriate directory will be integrated into the synchronisation process in the reverse order and the project becomes available to all project members.



After the collaboration project is finished, project data will be archived on RDX media.

Cloud data migration and multi-cloud implementations

Often, businesses might want to migrate to another cloud provider, switch from private to public cloud or want to utilise multiple cloud implementations. In this case, the RDX removable disk system easily helps transferring data from one cloud application to the other just by using the sync capabilities of Google Drive. The high transfer rate and random access performance of RDX guarantees fast migration and data seeding.



RDX is ideal for data transfer and cloud data seeding

RDX QuikStor Systems

Product	RDX QuikStor	RDX QuadPAK	RDX QuikStation 4	RDX QuikStation 8
Form Factor	External / Internal 3.5" / 5.25"	1.5U rackmount	1U rackmount or desktop	2U rackmount
Best Fit	Small Business and SOHO environments with no dedicated IT-personal which require easy data protection and off-site storage	Small business environments with servers and IT equipment installed in a rack	Small and medium businesses with physical and virtual environments and the need for off-site storage and data transportation	Small and medium businesses with multiple servers or clients, virtual environments and off-site storage
Buy this Product if you needan affordable, reliable and bullet proof device for daily backup, archiving or data exchange External: for Desktop applications with your PC, Laptop, Server or NAS Internal: for Server and PC integration	...a 19" rackmount solution for 1- 4 RDX QuikStor systems	... network attached removable storage up to 20TB, or want to overcome the capacity limit of a single RDX media	...to replace obsolete tape autoloaders or need centralized RDX storage with a total capacity of 40TB
Connectivity	USB3+ or SATA III / USB 3.0 SATA III (up to 330MB/s ¹⁾) and USB 3.0 (up to 260MB/s ¹⁾)	USB 3.0 and USB3+ drive dependent		iSCSI
Performance	up to 330MB/s, depending on media and interface type	Dependent on number of installed drives and media used	Up to 400 MB/s**	Up to 1000 MB/s**
Operational Mode	Removable Disk Mode and Fixed Disk Mode for integration with Windows® Backup (Fixed Disk Mode USB interface only)		<ul style="list-style-type: none"> 1-4 individual RDX QuikStor²⁾ removable disk targets or fixed disk targets 1 Logical Volume up to 4 RDX²⁾ 1 Protected Volume up to 4 RDX RAID 5²⁾ Emulated disk autoloader (4 slots and 1 RDX QuikStor System) 	<ul style="list-style-type: none"> 1-8 RDX QuikStor disk targets²⁾ 2 Logical Volumes with up to 4 RDX²⁾ 2 Protected Volumes with up to 4 RDX RAID 5²⁾ 1 Protected Volume with up to 8 RDX RAID 6²⁾ Emulated StorageLoader™ (8 slots and 1 LTO-3 tape drive³⁾) Emulated StorageLibrary™ T24 (8 slots and 2 LTO-3 tape drives³⁾) Emulated disk autoloader (8 slots and 1 drive) 1 hybrid configuration that offers a combination of an LTO StorageLoader and 4 RDX targets
Power Encrypt / Hardware Encryption	SATA III interface only, FIPS 140-2 validated			
Standard Warranty	3 yr. OverlandCare Bronze Level			

1) Total capacity and performance is media and operation mode dependent.

2) Disk targets are available in fixed or removable mode.

3) LTO-3 Emulation does not limit the capacity of the RDX media used.

4) Speed is media type and generation dependent

Media		
Product	HDD Media	WORM Media (HDD, KPMG validated)
Form Factor	Disk based removable media with rugged design to withstand drops, vibrations, electrostatic discharge and rough environments	
Buy this Product if ...	HDD:...to perform backup, restore, long term archiving tasks or move and exchange business data WORM...to archive data to meet regulatory and compliance requirements	
Capacity	HDDs: 500GB, 1TB, 2TB, 4TB, 5TB; SSDs: 500GB, 1TB, 2TB, 4TB, 8TB	1TB, 2TB and 4TB
Load/Unload (min.)	5,000 insertion/ removal cycles	
Supported File systems	NTFS, FAT32, exFAT, ex2, ex3, ex4 and Mac OS Extended (HFS Plus)	
Drop Shock (non-op.)	1m to concrete floor	
Vibration	0.5G (operating), 1.0G (non-operating)	
Media Archive Life	10 years (HDD media)	
Compatibility	Forward/backward compatibility to all RDX drives and systems	
Standard Warranty	3-years OverlandCare Bronze Level	

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

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