SOLUTION BRIEF

Using RDX® with Google Backup and Sync

Best practices to control cost of cloud storage space with RDX

Cloud storage is becoming more and more popular for small and medium businesses. Beside data storage, the cloud is used for backup and archiving. But, as cloud also has its disadvantages, a local copy should be kept as well.

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 syncs immediately the corresponding partner. Syncing is performed on directory-level including all subdirectories.

RDX® removable disk system — rugged, removable and flexible

Overland-Tandberg's RDX technology is a removable disk system which simply attaches to laptops, desktops and servers via USB, SATA or iSCSI. RDX consists of a drive and a media cartridge and is ideal for use in regular office environments. Because of its rugged design, there is no special care necessary. Unlike tape, there is no need for media replacements, maintenance and cleaning. RDX can be used like a regular hard disk.

Why RDX?

RDX is an affordable and easy to use removable storage device that helps businesses to control their cloud storage cost. In most cases, the amount of business data is increasing rapidly. This requires more and more cloud storage and generates unpredictable storage costs if keeping all user data in the cloud. With RDX, users can save cloud storage by archiving data to RDX that can be deleted from the cloud afterwards.

Solution benefits

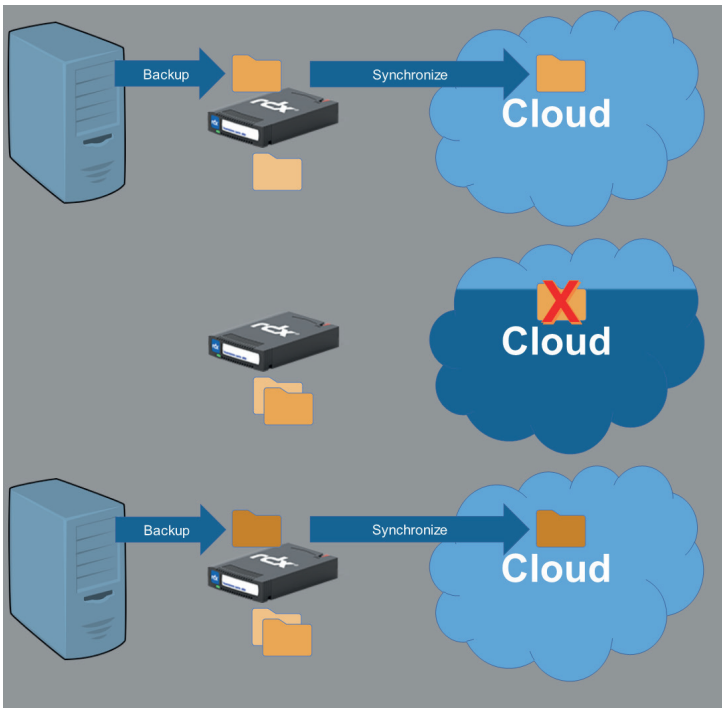
- Controls cloud storage cost by keeping cloud storage capacity low
- Provides two-tier backup strategies with local and off-site backup data copies
- Protects against virus and ransomware attacks and keeps cloud data healthy
- Allows simple data transfer and cloud seeding
- Provides affordable long-term data archive

Benefits of RDX

- Affordable storage solution to supplement cloud storage implementations
- Offers high data access speeds for fast data transfer and data seeding to cloud storage
- Best fit for SMB environment due to easy inmplementation and usage
- Rugged design of RDX media, no special care required
- Low purchase cost and TCO optimizes budget
- RDX RansomBlock and WORM software provides additional protection against virus and malware attacks

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 fulfills 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 synchronising 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 and builds the last line of defence. In case of a local incident, users have to recover their systems locally, but are able to restore their business data from the cloud.

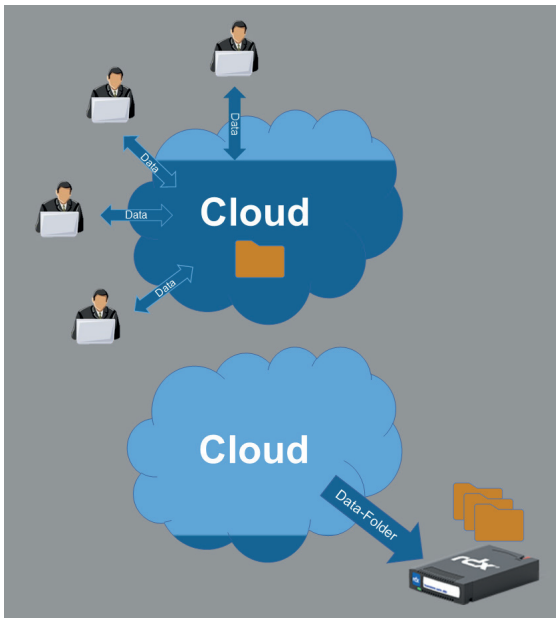
To save cloud storage space, users can delete the backups from Google Drive after a week or a month according their space requirements. This can simply be done, as the backups are still kept on RDX. As Google Backup and Sync tries to recover deleted files from the partner system, users should work with folders. Following this recommendation, a new folder should be created on RDX and introduced to the backup software and Google Backup and Sync. Following backups will then be written to this new directory and synchronised 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 should 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 synchronization process, so data generated in the cloud is automatically transferred to the corresponding directory on RDX. At the end of the project, the directory can be deleted in the cloud, as

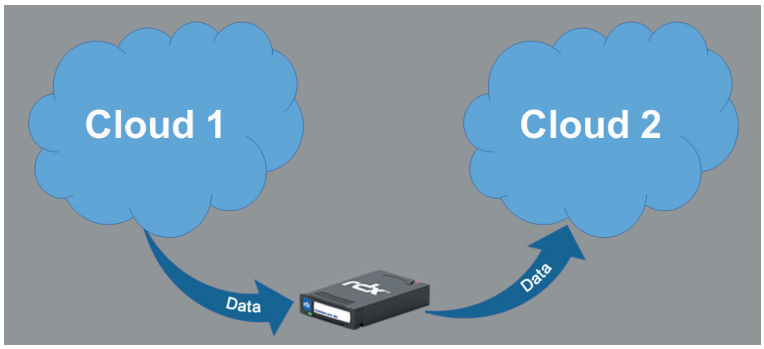


After the collaboration project is finished, project data will be moved to RDX

it remains on RDX as an archive. In case of re-opening the project, the appropriate directory again, will be integrated into the synchronisation process and will be available in the cloud.

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



RDX is ides for data transfer and cloud data seeding

to utilize 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.