



Cloud



Cloud Backup

What is Cloud Backup?

Cloud Backup is a managed 'Backup as a Service' (BaaS) product that allows organisations to automate the backup of the data stored on their servers onto a secure and highly resilient storage facility within the Amazon Web Services (AWS) cloud infrastructure in the UK.

Key advantages of a Cloud-based backup service

Affordable

Small businesses don't have unlimited IT budgets. It's important to use a solution that makes sense and won't require you to incur a capital expenditure. For as low as a few hundred pounds per quarter, your organisation can have all of its data backed up to the cloud.

Off-site

It's important to keep a copy of files offsite. Even if business files are backed up on a file server, a hurricane, flood, fire or theft could destroy the computers and backups. Keeping backed up files in the cloud ensures data is safe no matter what is going on at your office.

Simple

Cloud Backup solutions make ongoing management and restoration easy. With just a few clicks of the mouse, backed up files can be easily found and restored.

Automatic

Time is one of the most commonly stated reasons companies aren't backing up their data. Cloud Backup doesn't require an additional time commitment for you. Computer files are backed up to the cloud automatically on a daily (24 hour) basis, however you're also able to start a backup immediately which can be used to mitigate risk in the case of a major system change. Ad-hoc backups will remain available for 24 hours.



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Service Functionality

The Cloud Backup service consists of two elements – a user agent that is installed on your servers and a portal from which users can configure the service to suit their needs.

The service performs automated differential backup and restore functions including block-level deduplication, compression, and encryption.

The user portal, like the data storage remains exclusively within the AWS UK environment.

Once successfully provisioned and made live, the backup application allows you to self-manage the files, folders and volumes targeted for backup into the cloud.

The first-time cloud backup runs, a full cloud backup for the selected folders is carried out. Depending on the size of the data set, this might take a long time. Subsequent backups are performed incrementally and normally take much less time than the initial backup. Only data that has changed is uploaded.

The application has been designed to use data compression and data deduplication techniques, to ensure the backup happens as quickly and efficiently as possible.

Backup and retention period

- **Daily backups**
- **Weekly store**
- **Monthly store**
- **1 year store**

For clarity, this means that you can restore data with 24 hr granularity for 7 days, 1 week granularity for 4 weeks, and monthly granularity for 11 months.

Backup process and schedule

The particular set of files that are backed up when the Cloud Backup service runs is controlled by a combination of selection mechanisms which are controlled by you. They can choose to backup entire drives, specific volumes or selected folders/files.

Additional filters can be applied based on criteria such as file type, location, modification date, and so on.

Tel: 0844 808 2528

Email: info@redmine.co.uk

Add: Redmine Networks Ltd, Moulton Park Industrial Estate, Northampton

Web: www.redmine.co.uk

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