

Cloud Backup & DR

For On-Premise Customers



For business continuity in the event of hardware failure or data loss, Mother provides a rock-solid, secure, compliant backup and disaster recover service. Tape-based systems no longer satisfy today's backup requirements. However, the two-pronged approach (1. Backup & 2. Remove from Site) remains fundamental to any modern cloud backup strategy.

A Rock Solid Solution

Backup (Stage 1)

The most important function of any backup is actually the restoration. An off-site backup is little use if you have limited bandwidth and days pass whilst you try to retrieve your data.

When retrieving individual files, off-site backups are generally satisfactory. But, if large amounts of data need to be retrieved (an entire server for example) then restoration from an off-site back-up is not a satisfactory mechanism.

Any restore needs to be quick. The backup source needs to be available and on-site. For this reason, Mother will always write its customers backups to a local on-premise storage device before advancing to anything off-site. Typically, a default 30-day retention period is set on the storage device and this becomes the primary source for restoring lost or corrupt data.

Disaster Recovery (Stage 2)

This is where off-site storage comes into its own. If anything untoward happens to the local storage device or the site suffers a catastrophic failure then that's when you must have an up to date copy of everything somewhere else.

In addition to performing a local backup, Mother will also send nightly backups to its datacentre for disaster recovery purposes. Our backup software performs both functions. You will normally need an Ethernet circuit upwards of 10Mb to ensure your data can be delivered to the datacentre within the given nightly window. Broadband will not suffice.

Content

The content of the off-site and local backups comprise complete servers and their data. Backing up the data alone is of little value if you have suffered a server failure. Each server needs to be backed up in its entirety.

Backup Format

The format of our backups are virtual machine replicas. In other words, copies of your servers exist in a completely executable state allowing them to be transferred and launched on any or host that has a base VMware layer. We can even launch them in the datacentre allowing you to access them directly from there. This is called Spin-Up Disaster Recovery. This is the beauty of virtual machines. You can recover from a disaster very quickly. Most businesses do now have their servers running in a virtual environment for this reason. If your servers are not already virtualised, we can virtualise them for you very easily.

Archives

Many businesses request a retention period beyond the default 14 days for their off-site backups. We can increase this to satisfy your preferred retention period. For historical archives spanning far greater periods, tapes still have their place. You do not need any tape drive equipment for this. Mother has a tape archiving service which runs from our datacentre. Archives are written to tape at defined intervals and we'll send you the tapes safe keeping.

Encryption

Local and off-site backups are fully encrypted preventing any unauthorised access to data if falling into the wrong hands.

