

Memeo Online Backup Security

Memeo Online Backup allows users to protect their most valuable files by sending them offsite to a secure cloud storage infrastructure. Memeo incorporates industry standard security protocols to ensure your data stays safe.

The Memeo Backup client communicates with Memeo servers over secure protocols to perform numerous tasks:

- **Login** - For login authentication, we use OAUTH, an open protocol that allows secure API authorization. OAUTH is also used by leading web services companies such as Twitter, Flickr and Google.
- **File upload and restore** - As files are backed up and restored, a 128-bit SSL connection is established between the client and server. This ensures the connection is encrypted and secure.
- **Access to Cloud Storage** - Memeo uses a third-party cloud storage infrastructure that utilizes a private key to access the data. This key can only be retrieved via our secure API using the Memeo Backup client. In addition, the Memeo Backup client allows the user to optionally encrypt the data prior to the backup. Memeo uses the Triple DES (3DES) algorithm to encrypt files. Once encrypted, the data can only be unencrypted by a user-defined password.

File encryption provides the strongest possible security for your files because those files can only be unencrypted by using the Memeo client and the user password. If this password is lost, there is no back door available to retrieve the data.

The Memeo Online Backup servers are housed in a secure, fault-tolerant data center in the heart of Silicon Valley, CA. Access to the data center is restricted to qualified Memeo personnel only.

Memeo datacenters are equipped with redundant power from separate grids, redundant cooling systems, as well as multiple fiber links in and out of the facility. Diesel generators capable of running for an entire week back up the entire facility in case of catastrophic power loss.

All data is stored on Amazon's S3 service. That means your precious files are stored in multiple datacenters, and in multiple states for redundancy to protect against natural disasters. Their protocols for storing data are safer and more secure than anyone else out there. No other storage provider can match the infrastructure that Amazon has built to host its storage platform.

Memeo also has emergency recovery plans in place which assure full recovery and operability within 72 hours in case of a major catastrophic event.