



S3 File Gateway

Storage gateways are the services provided by AWS which enable hybrid cloud storage solutions, leveraging the best of both worlds, i.e. grant us the benefits of low-latency access associated with on-premise storage systems while retaining the virtually unlimited capacity of cloud storage storage solutions.

This is achieved by creating a cache of the cloud storage and storing it locally on premises. S3 File Gateway is one such storage gateway service, and provides a way to seamless integrate on-premise applications with Amazon S3, using a local cache to store data that would benefit the most from low-latency access while keeping the rest in S3. Asynchronous in nature, the service presents S3 buckets as NFS or SMB file shares, allowing applications to access objects stored in S3 using familiar file protocols.

A basic file gateway architecture is shown in the following diagram:

