This page describes various Cloud Storage tools that you can use to work with data stored in other cloud providers.

The Cloud Storage XML API is interoperable with some cloud storage tools and libraries that work with services such as Amazon Simple Storage Service (Amazon S3) and Eucalyptus Systems, Inc. To use these tools and libraries, change the request endpoint (/storage/docs/request-endpoints) (URI) that the tool or library uses so it points to the Cloud Storage URI (`https://storage.googleapis.com`), and configure the tool or library to use your Cloud Storage HMAC keys (/storage/docs/authentication/hmackeys). For detailed instructions on migrating from Amazon S3 to Cloud Storage, see Migrating from Amazon S3 to Cloud Storage (/storage/docs/migrating).

When using the V4 signing process to create signed requests for Cloud Storage resources, you can perform the signing with an RSA signature (/storage/docs/access-control/signing-urls-manually) or sign using your Amazon S3 workflow and HMAC credentials.

The gsutil (/storage/docs/gsutil) tool lets you access Cloud Storage from the command line. It can also be used to access and work with other cloud storage services that use HMAC authentication, like Amazon S3. For example, after you add your Amazon S3 credentials to the .boto configuration file for gsutil, you can start using gsutil to manage objects in your Amazon S3 buckets. The following command lists the objects in the Amazon S3 bucket `example-bucket`:

The following command synchronizes data between an Amazon S3 bucket and a Cloud Storage bucket:

For more information, including details on how to set up gsutil to optimize this synchronization, see the gsutil rsync documentation (/storage/docs/gsutil/commands/rsync).

Storage Transfer Service (/storage-transfer/) enables you to easily import large amounts of online data into Cloud Storage from Amazon S3 buckets and general HTTP/HTTPS locations. Storage Transfer Service can be used to schedule recurring transfers, delete source objects, and select which objects are transferred.

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