

Cloud Storage supports streaming transfers, which allow you to stream data to and from your Cloud Storage account without requiring that the data first be saved to a file. Streaming transfers are useful when you want to upload data generated from a process directly into Cloud Storage, or when you want to download data from Cloud Storage into a process.

You can perform streaming transfers by using the `gsutil` command-line tool.

**Important:** When performing a streaming transfer to or from Cloud Storage, neither Cloud Storage nor `gsutil` compute a checksum. If you require data validation, use a non-streaming transfer, which performs integrity checking automatically.

To use `gsutil` to perform a streaming upload from a process to a Cloud Storage object, pipe the data to the `gsutil cp (/storage/docs/gsutil/commands/cp)` command and use a dash for the source URL.

The following example streams the data produced by the `collect_measurements` process into the `data_measurements` Cloud Storage object:

To use `gsutil` to perform a streaming download from a Cloud Storage object to a process, run the `gsutil cp (/storage/docs/gsutil/commands/cp)` command and use a dash for the destination URL, then pipe the data to the process.

The following example streams the data from the `data_measurements` Cloud Storage object to the `analyze_data` process:

You can also stream data from a Cloud Storage object to a standard Linux command like `sort` (<https://linux.die.net/man/1/sort>):

