Amazon S3 Transfer Acceleration

Amazon S3 Transfer Acceleration enables fast, easy, and secure transfers of files over long distances between your client and an S3 bucket. Transfer Acceleration takes advantage of Amazon CloudFront's globally distributed edge locations.

Amazon S3 Transfer Acceleration is a new built-in feature implemented in Amazon S3. When enabled for a bucket, it speeds up data exchange with this bucket up to 6 times.

Users can enable data transfer acceleration for a single S3 bucket. This option is available via standard AWS console.

After that the following two modes become available for this bucket:

- accelerated uploading and downloading
- standard uploading and downloading, in case user would need the same data, but not so urgently

One can select either of these modes by means of a special endpoint domain name given to this bucket. After enabling Amazon S3 Transfer Acceleration feature a new name will be generated. So, if the bucket's initial name was ***mybucket.s3.amazonaws.com***, the new one will be ***mybucket.s3-accelerate.amazonaws.com***.

Specifying the latter in an application, which exchanges data with this bucket, allows speeding up upload and downloading by 6 times.

Note: *Transfer Acceleration cannot be disabled, and can only be suspended.*

Why use S3 Transfer Acceleration
- You have customers that upload to a centralized bucket from all over the world.
- You transfer gigabytes to terabytes of data on a regular basis across continents.
- You are unable to utilize all of your available bandwidth over the Internet when uploading to Amazon S3.

Benefits of Amazon S3 Transfer Acceleration
- Move data faster over long distances
- Reduce network variability
- Shorten the distance to S3
- Maximize bandwidth utilization