Amazon Web Services

**Transfer Acceleration**

# Transfer Acceleration

* Amazon S3 Transfer Acceleration can speed up content transfers to and from Amazon S3 by as much as 50- 500% for long-distance transfer of larger objects.
* When we enable transfer acceleration, takes advantage of Amazon CloudFront & data will be transferred to the edge location, and then from the edge location data will be transferred to the bucket.
* **For Example**: If our end user is in India & Bucket is in the USA region it is very far distance & if the end user is trying to upload the heavy object & there is network fluctuation again end user needs to start again. For this, we can use this feature.

# Transfer Acceleration



* There is a total of 218+ edge locations and 12 regional edge caches
* Edge Location works as CloudFront destination and Regional Edge Caches is working as an alternative of origin (source of data) to reduce the burden of origin.
* Now CloudFront will try to fetch data from Region Edge Caches before going to origin.
* Transfer Acceleration takes advantage of the globally distributed edge locations in Amazon CloudFront.

# Transfer Acceleration

* Create S3 Bucket
* Select ACLs Enabled
* Unblock all public access
* Open bucket
* Go to the Properties tab
* Go to transfer acceleration
* Click on edit

# Transfer Acceleration

* Select enable
* To use the transfer acceleration AWS will charge us an extra amount.
* Click on Save changes