Why do we need CDN ? (Content Delivery Network) **TO ACCESS WEB PAGES OR IMAGES FASTER**

* CDN endpoints are globally distributed
* Data from Azure storage is cached at each CDN endpoint
* Users access data from their closest CDN endpoint to minimize latency
* If data is not available at CDN endpoint, azure retrieves it from the origin and cache it at the CDN endpoint
* Azure can only cache publicly available BLOBS in CDN endpoints.
* Allow or restrict Azure CDN content for some countries
* Cache contents remains in the cache for the duration of TTL, by default 7 days
* Improves performance by compression
* CDN has a shared cache

User1

Original Server

Edge Server

User2

What are Edge Servers : Azure has 54 Regions, there are no data centres in other countries. So it has added servers called edge servers where it puts the content which is more frequently accessed.

Suppose User1 requests for a website for the first time, it will be cached in edge server, if not it will be fetched from original server and will be out in the edge server too. Next time it will take less time

Per account

Resource Default Limit Max Limit

CDN profile per Account 25 25

CDN endpoints per profile 10 (total 250) 25 (625)

Custom Domain per endpoint 10 25

Demo of CDN

First create a storage account

Create BLOB Container

Upload some image in it once it is done,

(,now we will use CDN service ,create replica of images

and place them in CDN

)

Create a Resource

CDN profile

Create a CDN Endpoint

Give it a name

Origin Type : Storage

Origin hostname : Select

Copy value from Origin host header and paste in Origin Path

Start with / and at the end Then add storage name / container name

While checking on browser , add container and image name

So we can access content using CDN URL instead of using actual server

First create a CDN profile. This is the home for all CDN endpoints that we will use

https://docs.microsoft.com/en-us/azure/cdn/cdn-create-a-storage-account-with-cdn