

# **AWS Global Infrastructure**

Cloud Infrastructure of AWS has different layers :

- Application Layer
- Platform Layer
- Infrastructure Layer
- Virtualisation Layer

## **# Regions and Availability Zones**

- Amazon Resources are hosted in multiple location worldwide
- These location are composed of regions and availability zones
- Each region has a separate geographical area and Each availability zones (AZ) is in different latitude so that if one region or AZ's is destroyed due to disasters then other regions don't get affected
- Each regions has multiple isolated locations known as Availability zones
- Each region is completely independent.
- Each Availability zones is isolated but the Availability zones in a regions are connected through low latency link.
- Apart from AZ's there are other different data regions as well, like Edge location and Edge Cache

## **#AWS Brief – Day-3**

1. Amazon cloud front employs a global network of edge location and edge cache that copies your content close to your viewers.
2. As of now AWS global network has 116 points of presence.
  - a. 105 Edge Location

- b. 11 Regional Caches in 56 cities across 24 countries.
- 3. Few Services are only can be created globally. Apart from them we can create services in our regions only.