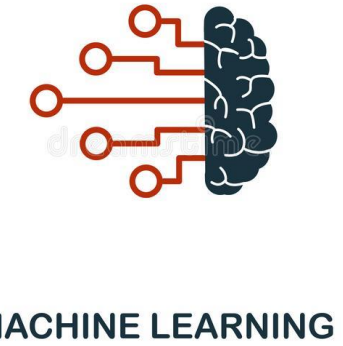
AWS Introduction

Context

Digital Transformation



Public Cloud benefits?

- No Upfront costs
- On-Demand
- Pay as you go
- Elastic, scalibilty

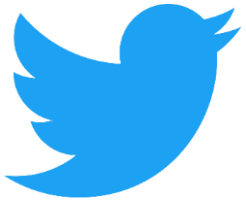
Public Cloud Provider

Figure 1: Magic Quadrant for Cloud Infrastructure and Platform Services

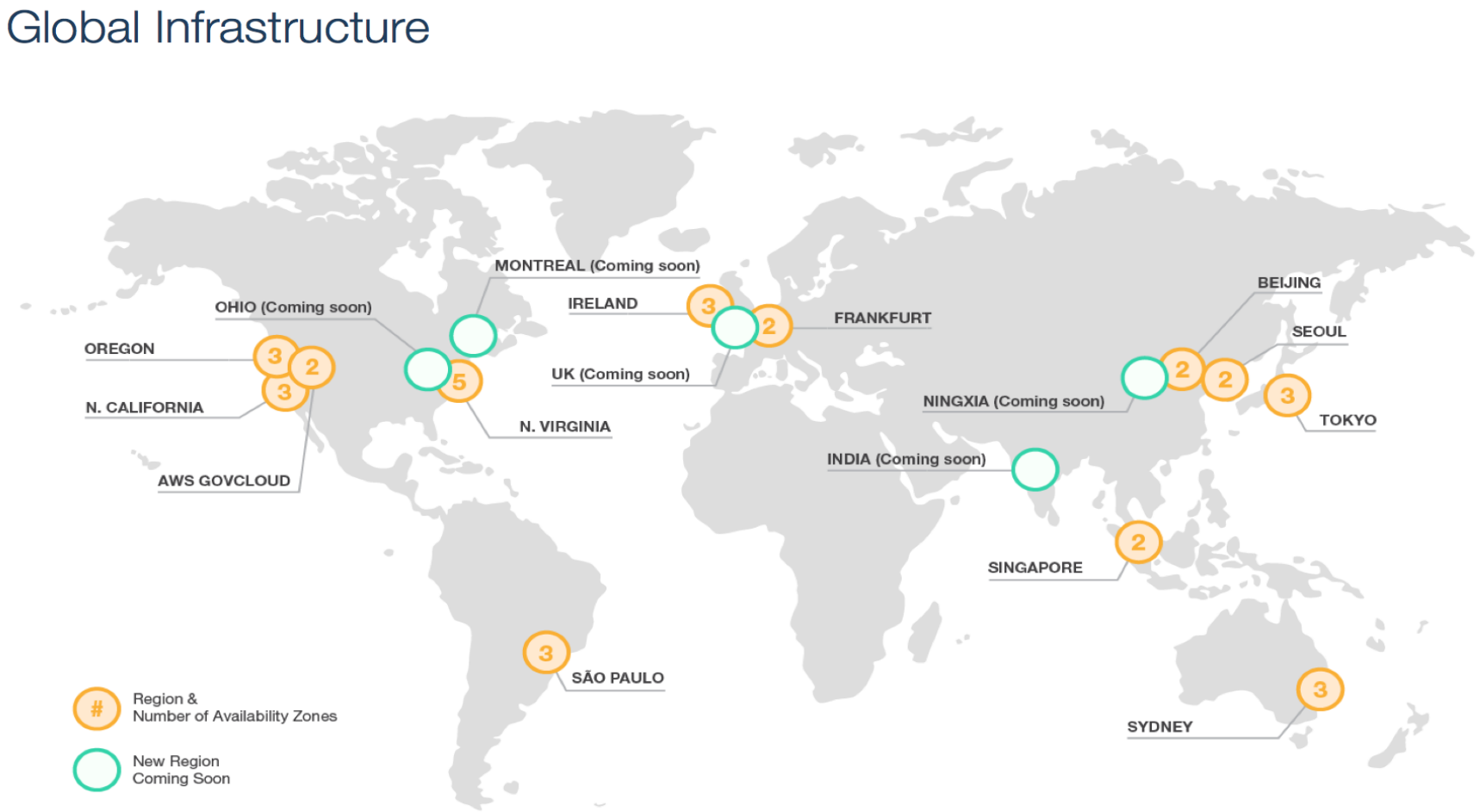
Source: Gartner (July 2021)

What is AWS?

- AWS stand for **Amazon Web Service**
- AWS is leading of Public Cloud Provider
- AWS provides servers and services with no upfront, easy scale and flexibility
- AWS launched in 2006 and release over 140 services till 2019
- Provide services ~ 1 million customers

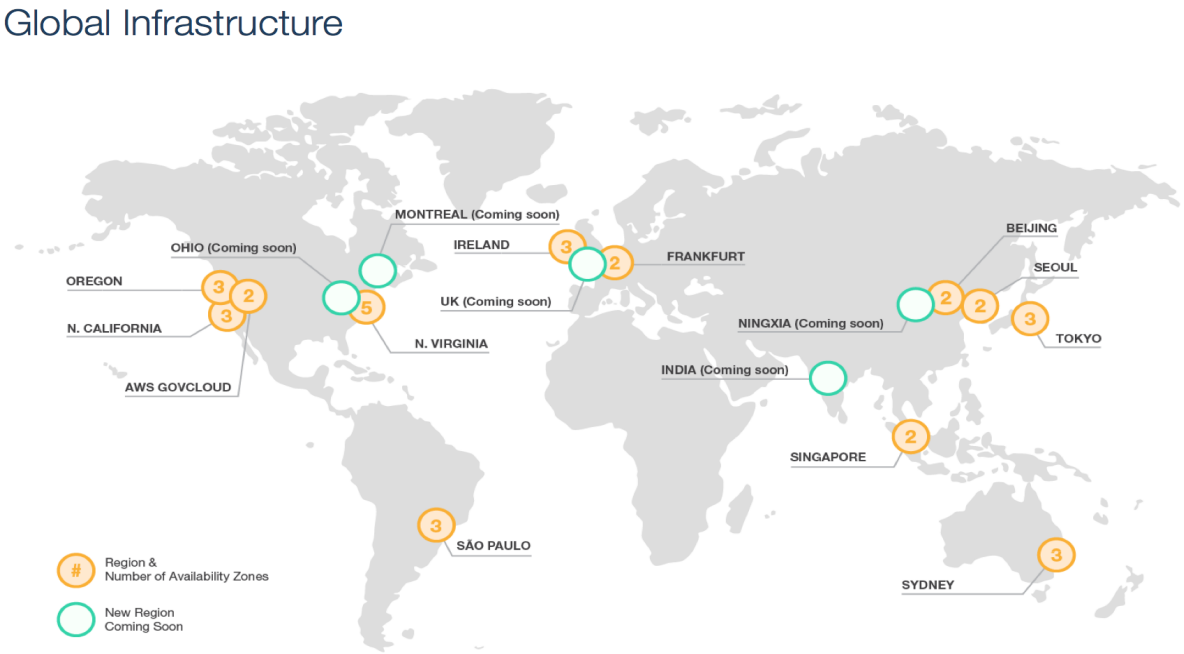


AWS Global Infrastructure



AWS Region

- Regions are geographic locations around the world
- Region is big cluster of Data Centers (DC)



US East (N. Virginia) us-east-1
US East (Ohio) us-east-2
US West (N. California) us-west-1
US West (Oregon) us-west-2

Africa (Cape Town) af-south-1

Asia Pacific (Hong Kong) ap-east-1
Asia Pacific (Mumbai) ap-south-1
Asia Pacific (Seoul) ap-northeast-2
Asia Pacific (Singapore) ap-southeast-1
Asia Pacific (Sydney) ap-southeast-2
Asia Pacific (Tokyo) ap-northeast-1

Canada (Central) ca-central-1

Europe (Frankfurt) eu-central-1
Europe (Ireland) eu-west-1
Europe (London) eu-west-2
Europe (Milan) eu-south-1
Europe (Paris) eu-west-3
Europe (Stockholm) eu-north-1

AWS Availibility Zone (AZ)

- Each region have at least 2 AZs
- Each AZ is one or more discrete data centers with redundant power, networking.
- AZs are geographically separated with each others
- Low latency connectivity between AZs

AWS Availibility Zone (AZ)

Datacenter (DC)