Section 3: Regions & AZ

AWS Global Infrastucture

https://aws.amazon.com/about-aws/global-infrastructure/regions_az/

AWS Regions

A region is a cluster of data centers How to choose an AWS Region? - Compliance with data governance and legal requirements: data never leaves a region without your explicit permission. - Proximity to customers: reduced latency - Available services within a Region - Pricing: pricing varies region to region

AWS Availability Zones

Each region has many zones, min is 3, max is 6 Each availability Zone (AZ) is one or more discrete data centers with redundant power, networking and connectiviy. They are isolated from disasters.

AWS Points of Presence (Edge Locations)

These PoPs host Amazon CloudFront, a content delivery network (CDN); Amazon Route 53, a public Domain Name System (DNS) resolution service; and AWS Global Accelerator (AGA), an edge networking optimization service.