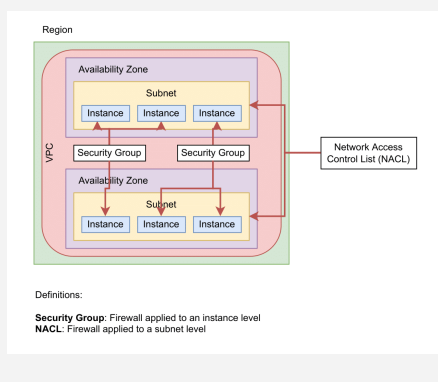## Global Infrastructure

Regions	Physical location in the world
Availability Zones	One or more discrete data centers
Edge Locations	Data centers owned by a trusted partners of AWS
GovCloud Regions	Allows customer to host senstive controlled unclassified information and other types of regulated workloads

VPC

Definitions:

Security Group: Firewall applied to an instance level
NACL: Firewall applied to a subnet level

Managing AWS Resources

GUI	https://aws.com
CLI	• Create IAM User with Programmatic Access • Connect using CLI

Application Integration

Amazon MQ	Message broker serivce for ActiveMQ and RabbitMQ computing

Computing

EC2 (Elastic Cloud Compute)	Cloud VM, will give you an actual OS to work with such as Linux,Windows,etc.

Database

Elastic Cache	In-memory caching
RDS (Relational Database Service)	Has multiple db instances(mysql, mariadb, postgres, etc.)

Management and Governance

Cloudwatch	For monitoring your AWS resources
Cloudformation	Similar to terraform, used for building IAC

Networking and Content Delivery

Cloudfront	Global Content Delivery Network for fast delivery of images, videos, etc.

Storage

S3	Similar to google drive
EFS (Elastic File Storage)	Used when multiple computers residing within the same network needs access to data

Miscallaneous

Budgets	For creating alerts when threshold budget for an AWS service exceeded
Cost Explorer	For visualizing your AWS costs
Organization	For Managing multiple AWS accounts that you create and centrally manage
Trusted Advisor	For providing the best practice you could do in an AWS service
IAM	For creating users on your AWS account. You could use this to set what a user could do and what service they could use