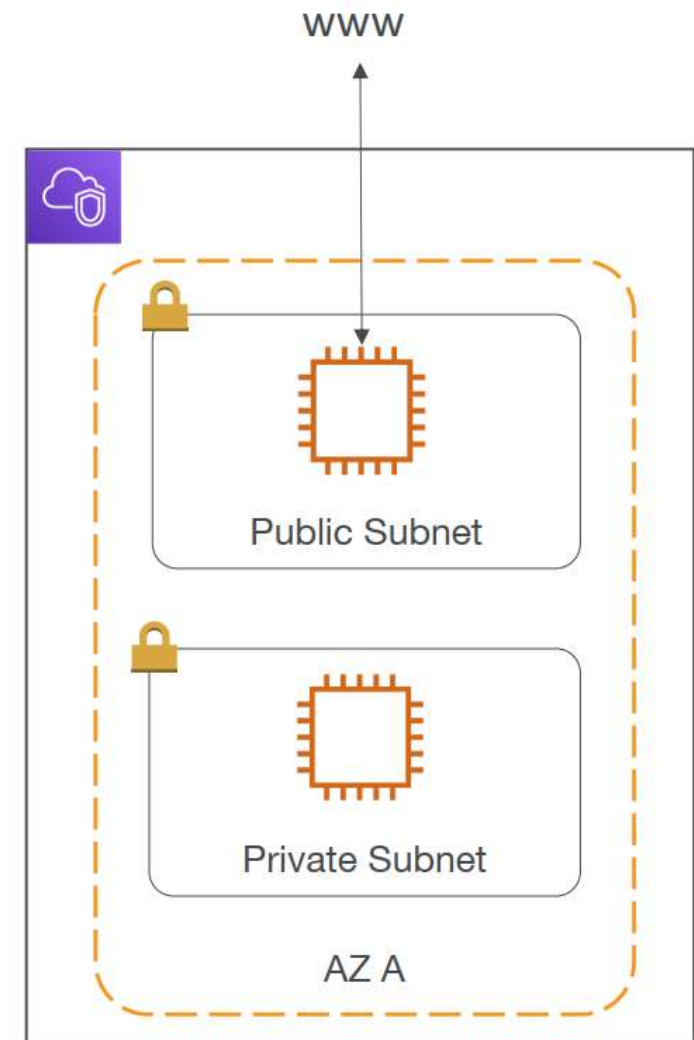


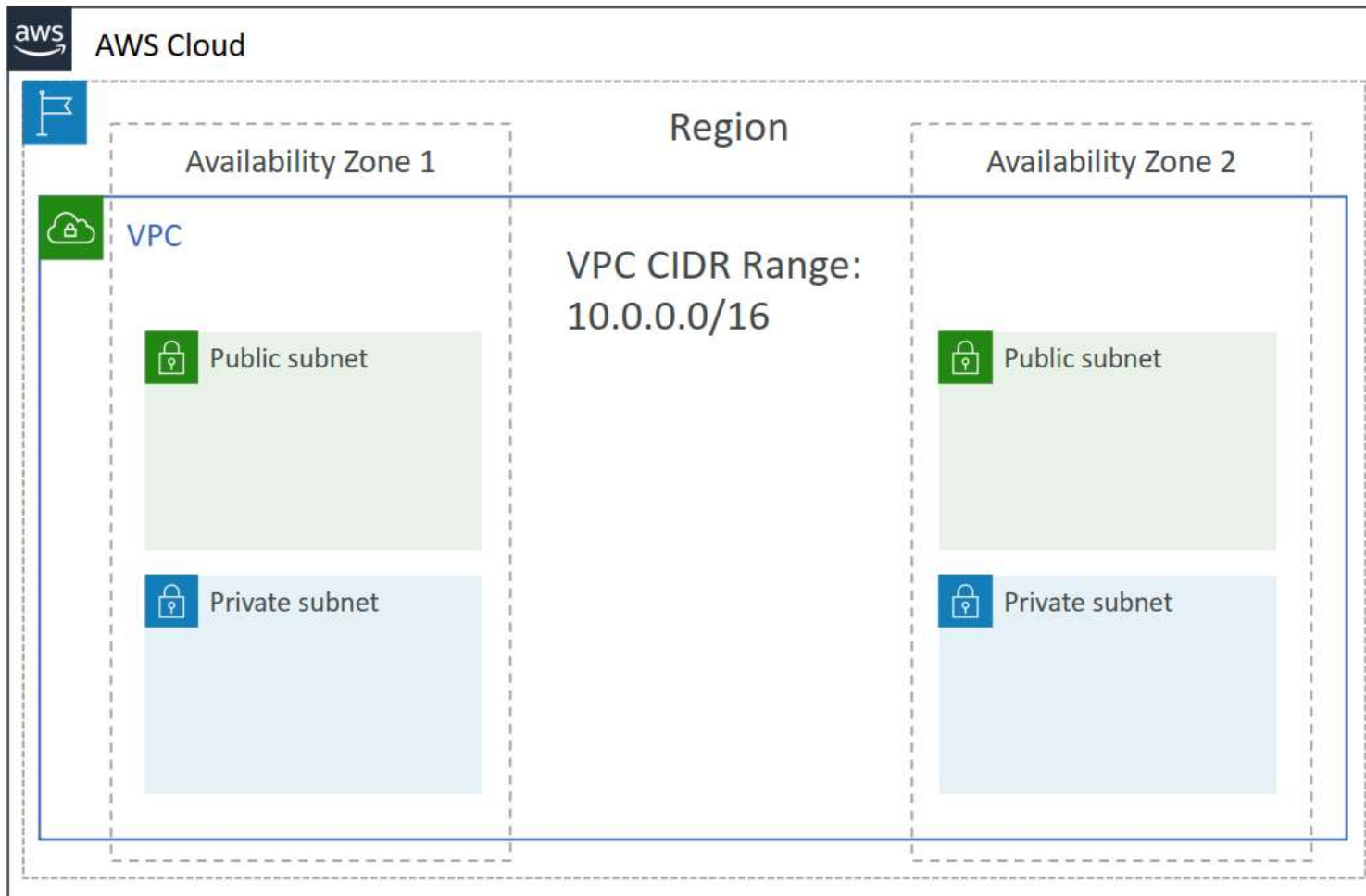
AWS VPC

# VPC & Subnets

- VPC:
  - Private network to deploy your resources (regional resource)
- Subnets
  - Allow you to partition your network inside your VPC (Availability Zone resource)
- A public subnet
  - Is accessible from the internet
- A private subnet
  - Not accessible from the internet
  - To define access to the internet and between subnets, we use Route Tables.

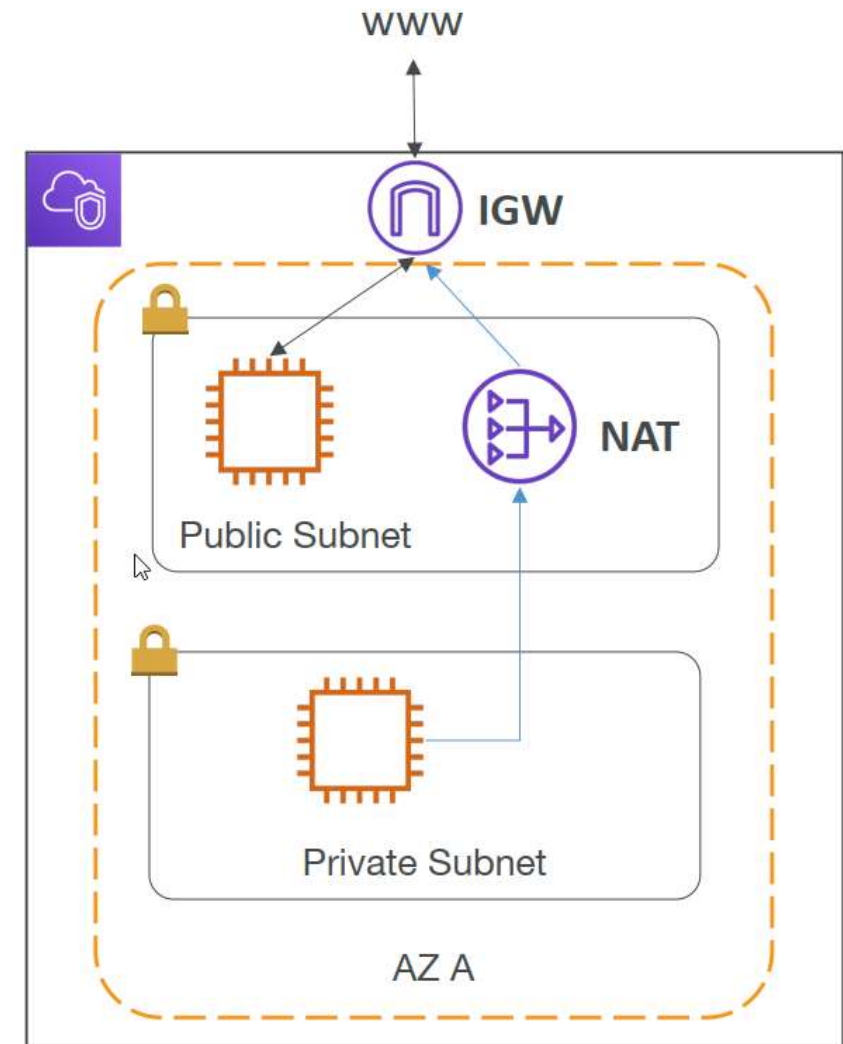


# VPC & Subnets



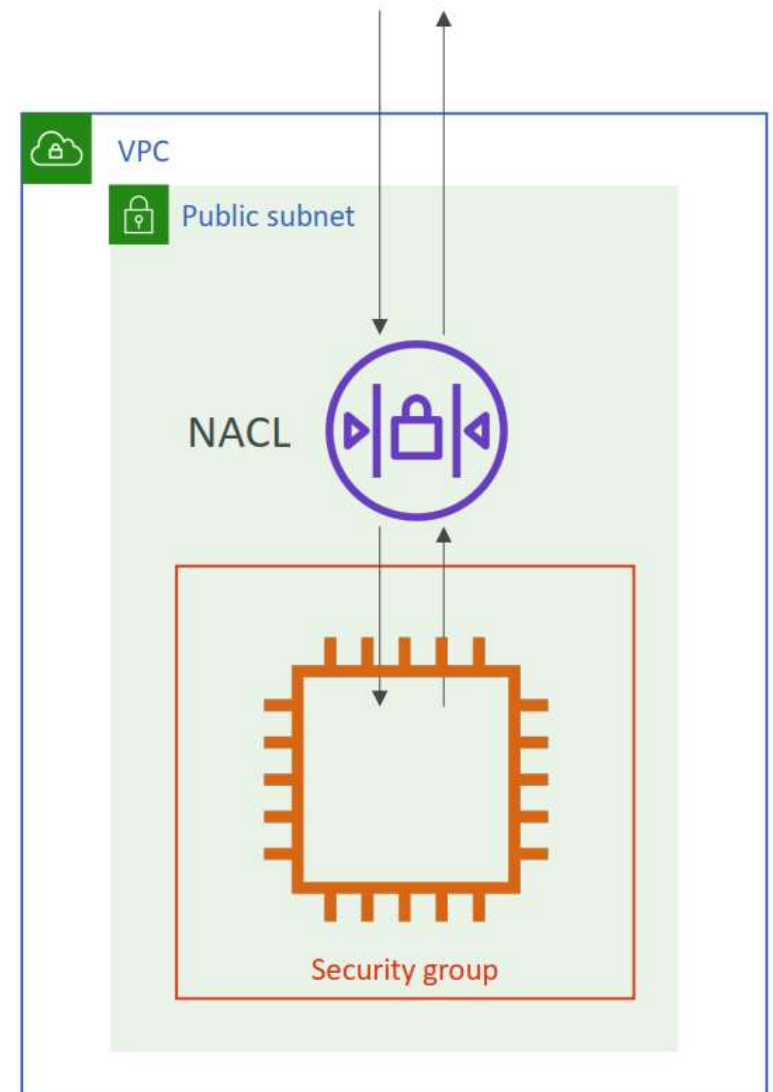
# Internet Gateway & NAT Gateways

- Internet Gateways helps our VPC instances connect with the internet
- Public Subnets have a route to the internet gateway.
- NAT Gateways allow instances in Private Subnets to access the internet



# Network ACL & Security Groups

- NACL (Network ACL)
  - A firewall which controls traffic from and to subnet
  - Can have ALLOW and DENY rules
  - Are attached at the Subnet level
- Security Groups
  - A firewall that controls traffic to and from an EC2 Instance



# VPC Flow Logs

- Capture information about IP traffic going into your interfaces:
  - VPC Flow Logs
  - Subnet Flow Logs
  - Elastic Network Interface Flow Logs

**Thanks**