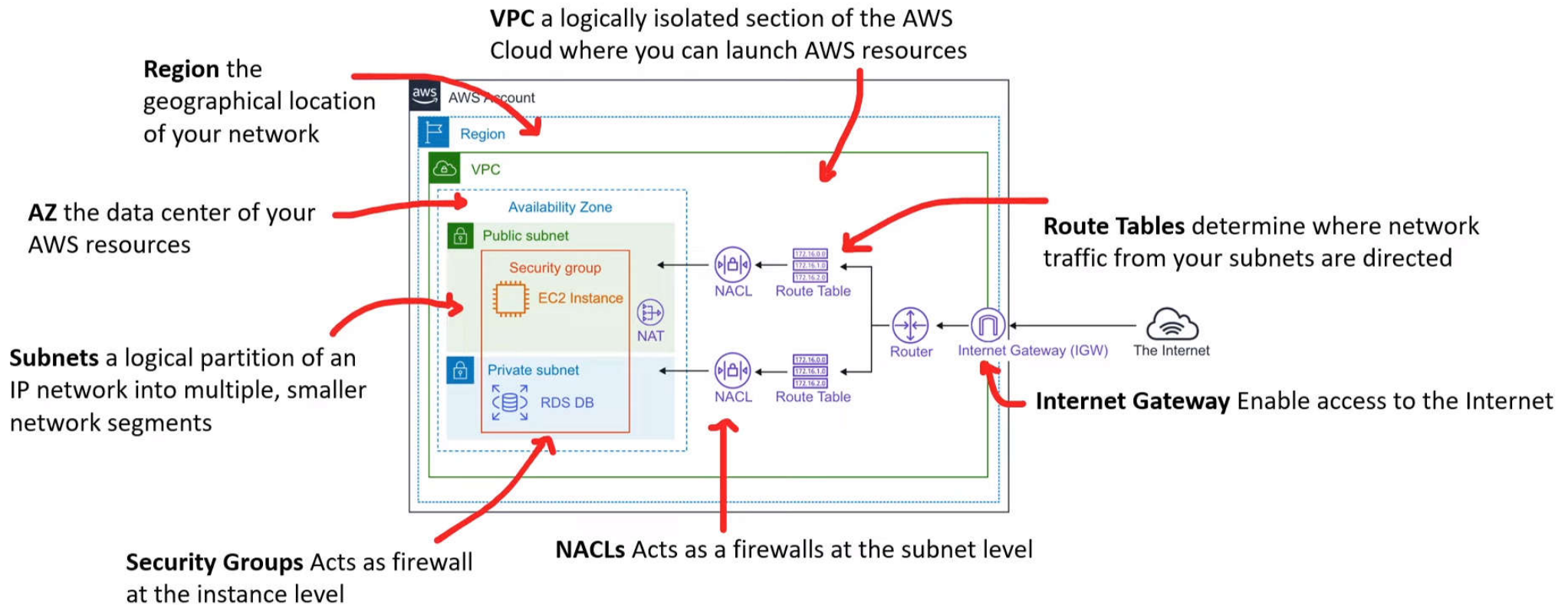




# Cloud-Native Networking Services

Cheat sheets, Practice Exams and Flash cards [www.exampor.co/clf-c01](http://www.exampor.co/clf-c01)



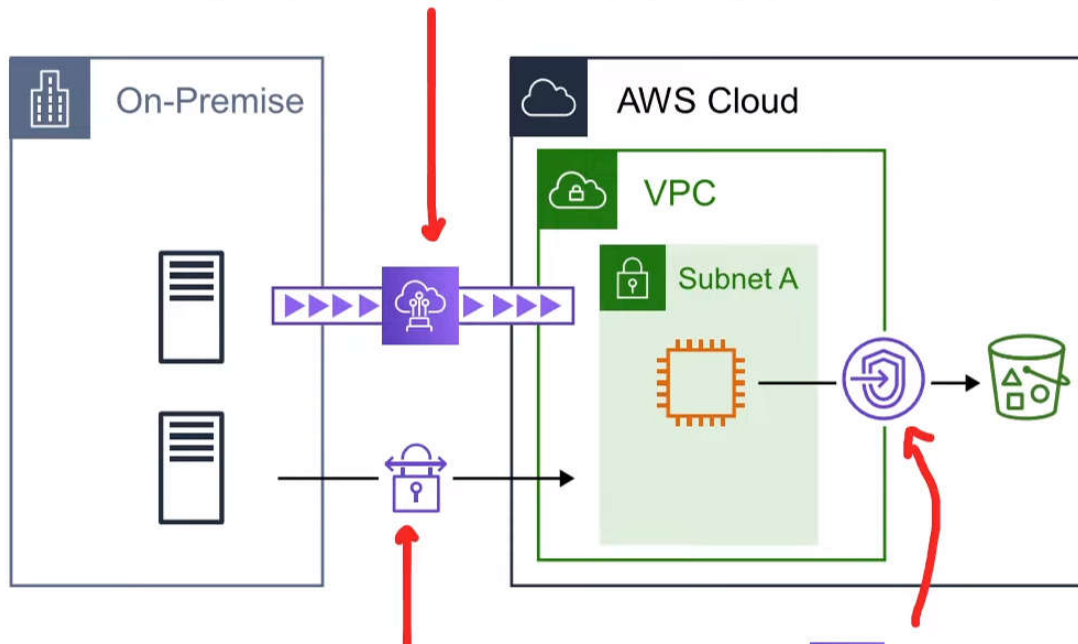


# Enterprise/Hybrid Networking

Cheat sheets, Practice Exams and Flash cards [www.exampiro.co/clf-c01](https://www.exampiro.co/clf-c01)



**DirectConnect** dedicated gigabit connection from on-premise data-center to AWS (a very fast connection)



**AWS Virtual Private Network (VPN)** a secure connection between on-premise, remote offices, mobile employees.



**PrivateLinks** (VPC Interface Endpoints) keeps traffic within the AWS network and not traverse the internet to keep traffic is secure.

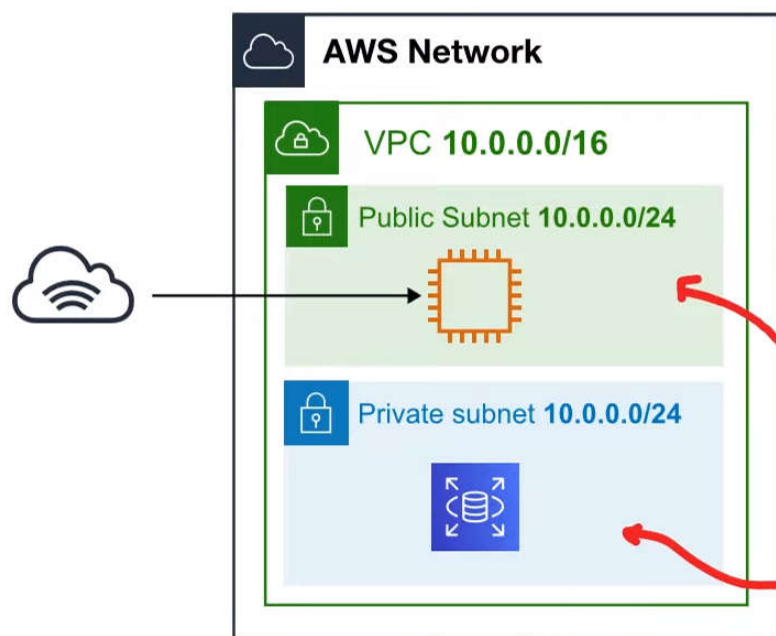


# Virtual Private Cloud (VPC) and Subnets

Cheat sheets, Practice Exams and Flash cards [www.examprompro.co/clf-c01](https://www.examprompro.co/clf-c01)

**Virtual Private Cloud (VPC)** is a logically isolated section of the AWS Network where you launch your AWS resources. You choose a **range of IPs using CIDR Range**

CIDR Range of **10.0.0.0/16 = 65,536** IP Addresses



**Subnets** a logical partition of an IP network into multiple smaller network segments. **You are breaking up your IP range for VPC** into smaller networks.

Subnets **need to have a smaller CIDR range than to the VPC** represent their portion.  
eg Subnet CIDR Range 10.0.0.0/24 = 256 IP Addresses

**A Public Subnet** is one that can reach the internet

**A Private Subnet** is one that cannot reach the internet

# Security Groups vs NACLs

Cheat sheets, Practice Exams and Flash cards [www.examprom.co/clf-c01](http://www.examprom.co/clf-c01)

## Network Access Control Lists (NACLs)

Acts as a virtual **firewall at the subnet level**

You create **Allow and Deny rules**.

eg. Block a specific IP address known for abuse

## Security Groups

Acts as a virtual **firewall at the instance level**

Implicitly denies all traffic. **You create only Allow rules.**

eg. Allow an EC2 instance access on port 22 for SSH

eg. You cannot block a single IP address.

