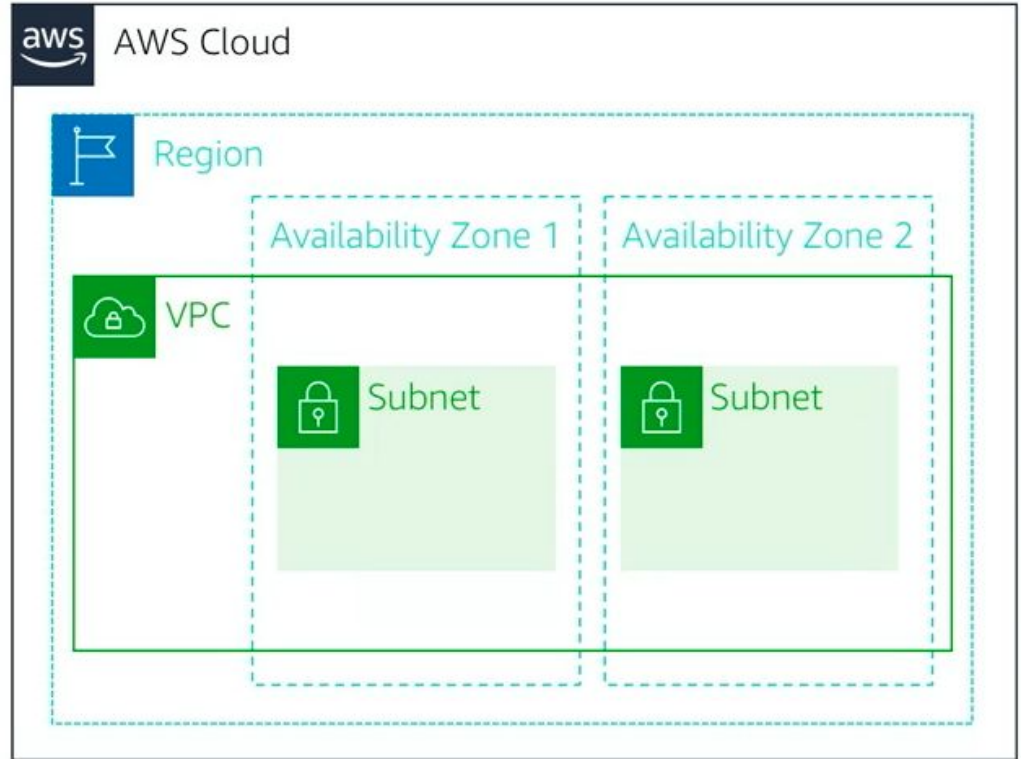# VPC and subnets

Kalvin Vasconcellos
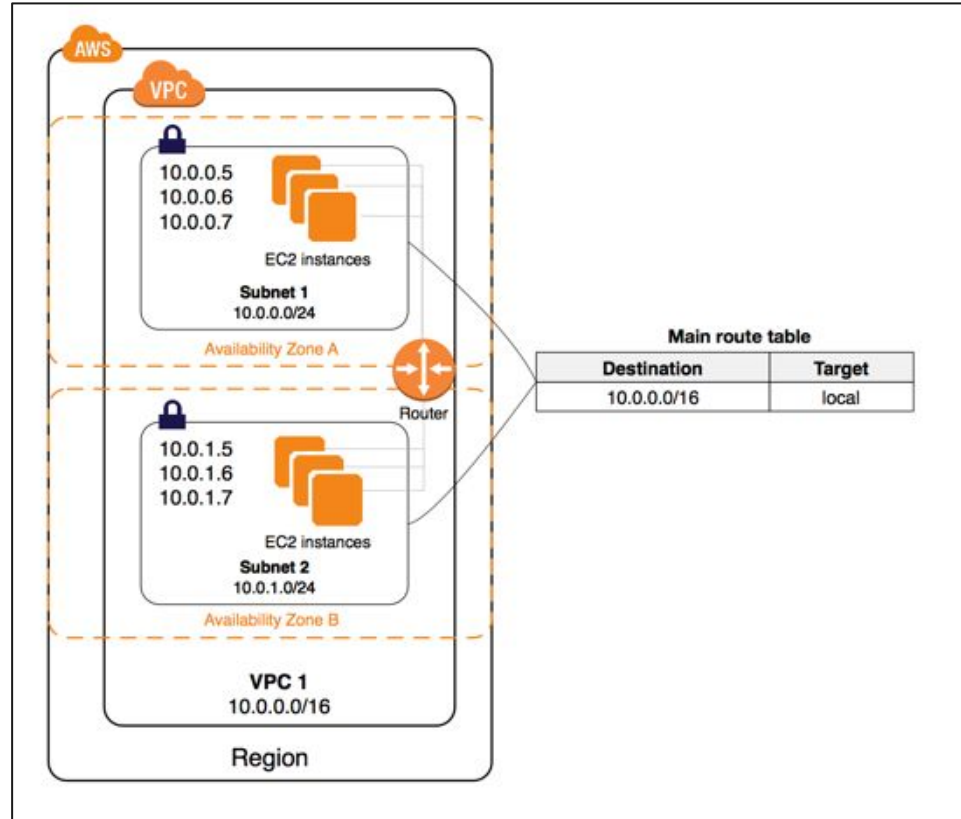
VPC

- Logically isolated section
- Control over networking resources
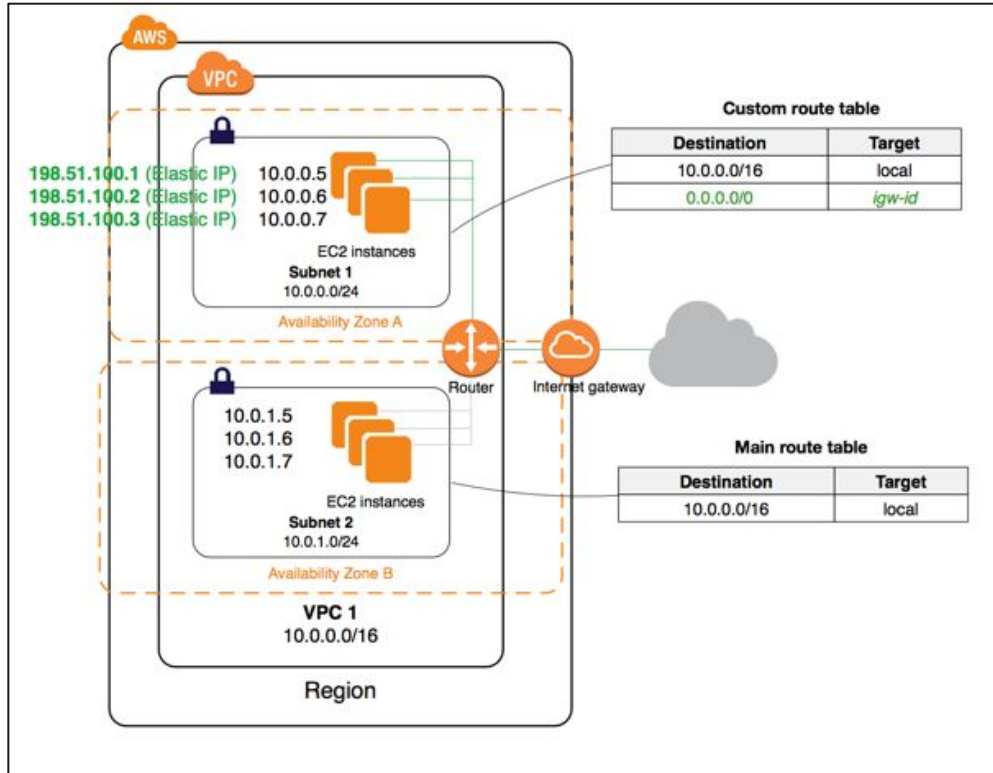- Selection of IP addresses
- Creation of subnets

Subnets

-   Isolated segment of a VPC
-   Subnets IPs blocks cannot overlap
-   Belong to a single AZ
-   Public or Private
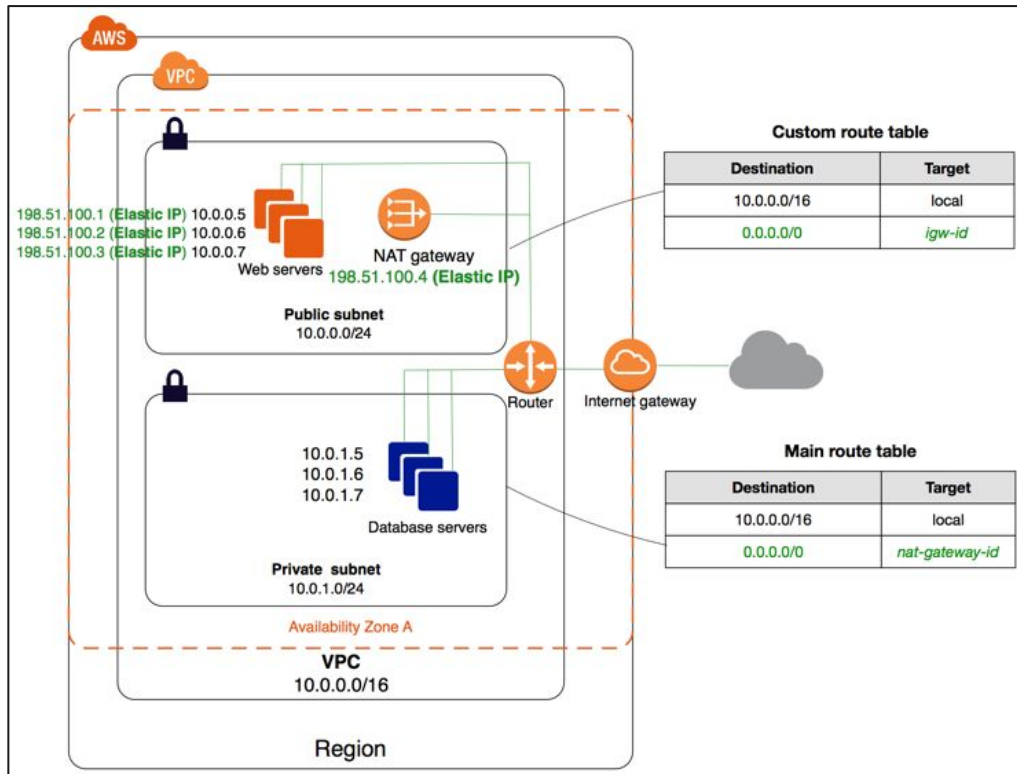-   Has a route table for outbounding traffic

Internet Gateway

- Communication between your subnet and the internet
- Target for internet traffic
- Subnet is public if it has a route to an Internet Gateway

NAT Gateway

- Allows private instances connect to the internet
- Prevents internet to initiate connection with private instances

Thank you!

Code:

https://github.com/0xkalvin/talks-and-articles/tree/main/vpc-and-subnets/code