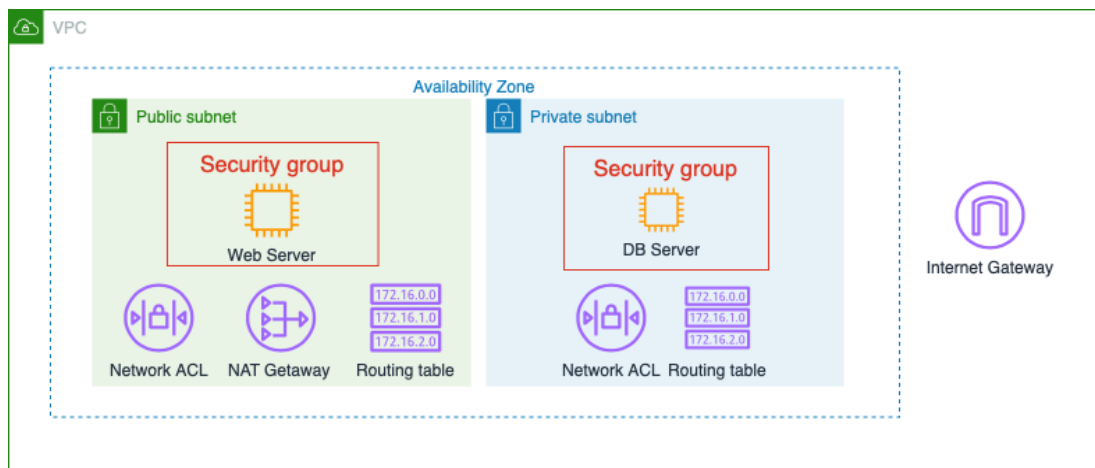# VPC and IDS

The objective of this project is the automation of VPC creation using CLI and the integration of network traffic cloning service.

Part 1: VPC service mounting automatization

- Write an `.sh` CLI script that mounts the VPC illustrated in the figure above. Deploy and configure the servers (e.g., `Apache`, `MariaDB`) so that they will be fully operational. (Deliverables: script file of VPC mounting + script file for installation and configuration of servers).

Part 2: Network traffic analysis
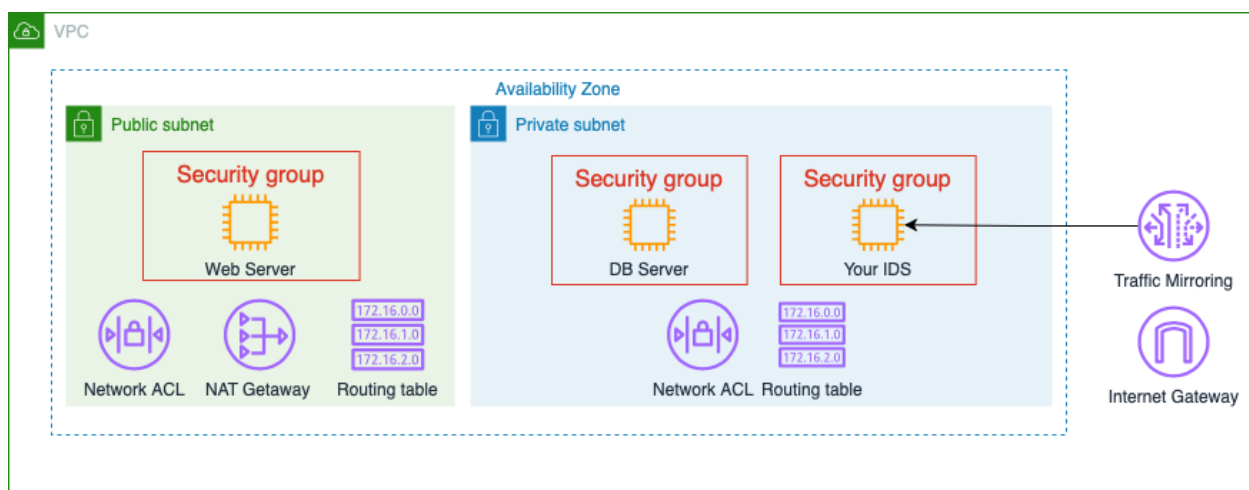
- Create an EC2 instance and install an IDS on it (e.g., `Snort`). Configure it so it can detect SQL injection attack (Deliverables: script file of IDS installation + script file for configuration).
- Using the console, configure a mirroring service so that all the network traffic sent to your VPC will be cloned toward the IDS. Test your environment by deploying a Web application to demonstrate its effectiveness in SQL injection attack detection (Deliverable: video demonstrating the configuration made and a scenario test).