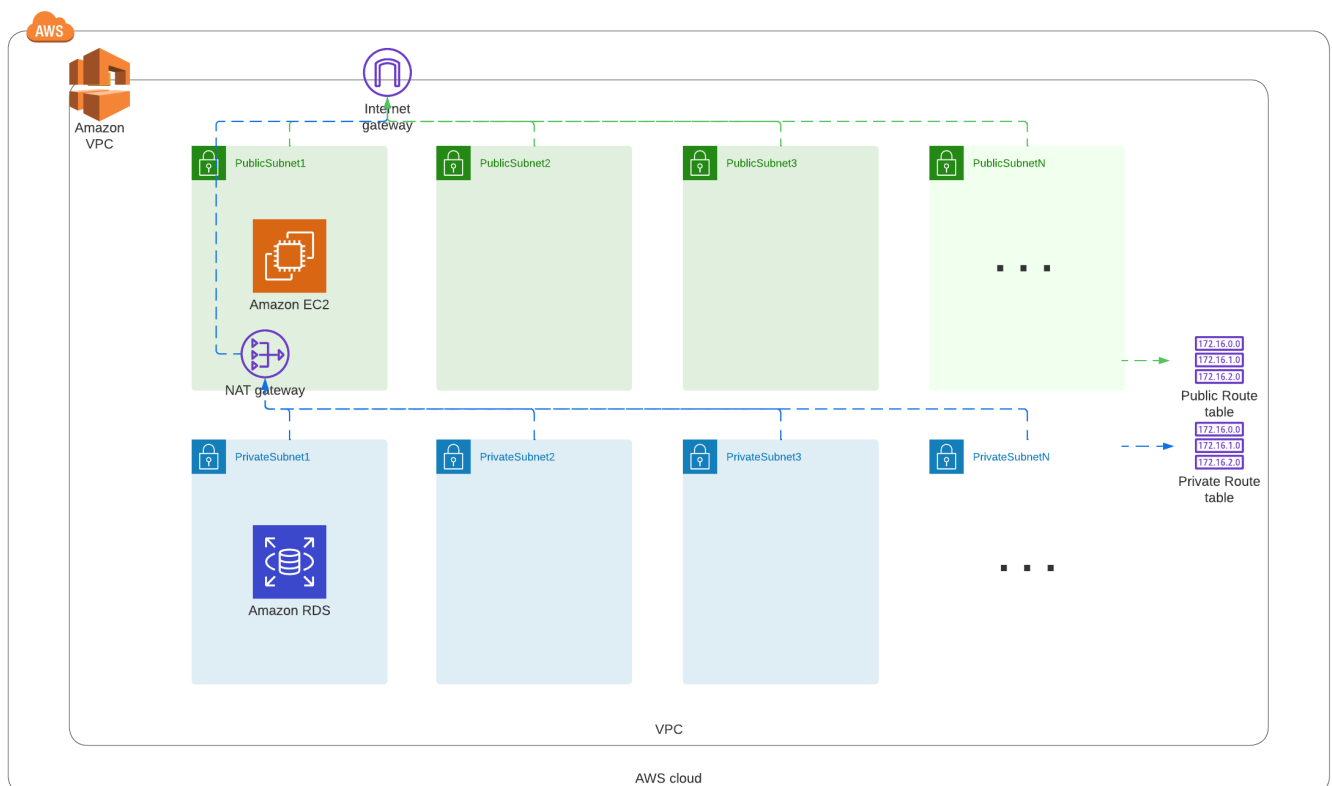# Terraform - Exercise #2

During this exercise, we'll be improving the code created for Exercise #1. The idea is to create a dynamic Terraform project using variables, functions, data collectors, conditionals, and loops.

There is a single goal for this exercise, to create a project that is capable of:

Via a variable that we'll call "**total_subnets**", Terraform must provision as many subnets as you specified through it. But if the variable is equal to 0, then the project must create one subnet (public and private) for each Availability Zone in the Region.

Examples:

- You are deploying the Terraform project under the Virginia region (Which has 6 AZs) and the variable **total_subnets** is equal to 0. As a result, the project will create 6 Public Subnets and 6 Private Subnets.
- You are deploying the Terraform project under the Oregon region (Which has 4 AZs) and the variable **total_subnets** is equal to 3. As a result, the project will create 3 Public Subnets and 3 Private Subnets,

Notes:

- Create a new branch called "Exercise-2" under the same GitHub repository and push your code in there.
- Try to parameterize via variables everything you can.