

QA North America – SRE Assignment

Instructions

Your task is to develop a Terraform module that provisions an AWS VPC with configurable networking components.

Requirements

The module should allow for the following configurations:

- VPC CIDR Block
 - The user should be able to specify **only** a /16 CIDR.
- Single or Multi AZ
 - In a single AZ deployment, provide **one** public subnet (/24) and **one** private subnet (/19).
 - In a multi AZ deployment, provide **three** public subnets (/24) and **three** private subnets (/19).
- Egress configuration
 - Should allow specifying the egress strategy, supporting both single and multiple NAT Gateways

Submission

- Provide a private GitHub repository containing the project and share it with ca-reviewer@cloudacademy.com
- This exercise needs to be returned within 5 days after receiving it.