

CloudFormation

Exercise

Your Challenge

- This lab is an environment for creating an Amazon VPC and Amazon EC2 instance (and other supporting elements) using an AWS CloudFormation template.
- The goal of this lab is to create a CloudFormation template with the following components:
 - An Amazon Virtual Private Cloud
 - An internet gateway attached to the VPC
 - Security groups for accessing the VPC configured to allow SSH from anywhere
 - A private subnet within the VPC
 - An Amazon EC2 instance (a T3.micro) within the private subnet (Note: It is not necessary to access the EC2 via SSH or Remote Desktop for a successful solution)
- Build and test the lab iterating the solution until all components build. The terminal in the browser provides access to a Linux shell on a server that exists outside of the AWS account that you use when your lab is running.
- After you start the lab, the terminal will be pre-configured with the credentials necessary to using the AWS Command Line Interface (AWS CLI). The terminal also has Python 3 installed with the boto 3 library available. You can use it to run AWS Python SDK code.