

GLW Kickoffs Feb-Mar 2024

Notes to Participants:

- 1) Make sure your internet is stable with good latency. For consistent experience, minimum of 5 Mbps speed and < 150 ms latency is required.
- 2) Make sure that you are in the N. Virginia (us-east-1) region throughout the lab.
- 3) If you face You are not authorized to perform this operation error while creating services, kindly wait for a while and refresh the site and then try again. It will take some time to enable the access permission to the account.
- 4) Give the exact service name for all the services as given in the problem statement. If the exact service name is not present, your efforts will be invalid.
- 5) Do not delete or stop any services and keep the service in running state, all the services you have created will be deleted automatically after evaluation.
- 6) Once you complete the challenge, sign-out the AWS account and click Submit on the top right corner to terminate the challenge lab.
- 7) Please avoid terminating the challenge lab accidentally as we may not be able to restore the lab.
- 8) Any unauthorized use of any resources, other than mentioned in this Problem statement, will lead to termination of your account. Your account cannot be activated if it gets terminated for any reason.

Problem Statement

1. Create an Amazon EC2 Instance with the following parameters and install the Apache web server:

Region: N. Virginia (us-east-1)

Name: Ubuntu-VM-Server

Add additional tags: Instances, Volumes, Network Interfaces

AMI: Ubuntu Server 20.04 LTS (HVM), SSD Volume Type

Architecture: 64-bit (x86)

Instance Type: t2.micro

Key pair: Create new key pair

VPC: Default VPC

Security Group: Create security group

Security group name: Ubuntu-VM-Server

Inbound rule: Allow SSH, HTTP

Source: 0.0.0.0/0

Disk Size: 30 GB

Volume Type: General Purpose SSD (gp2)

Number of instances: 1

Install Apache web server in Ubuntu-VM-Server

Command: `sudo apt update; sudo apt install apache2 -y`

Visit <http://<your-ec2-ip-address>> and ensure that you are able to access the default Apache landing page from the local machine web browser.