Lab-1 Error handling Manual

This document refers to the errors that might occur during the lab 1 assignment

Naming Conventions:

- All the resources should have proper naming convnetions.Please go through the below examples
- Name of the resources should be set while creation only
- Name of EBS volume can only be given after creation

Examples:

Ec2 instance - lab-1-(unique ID)

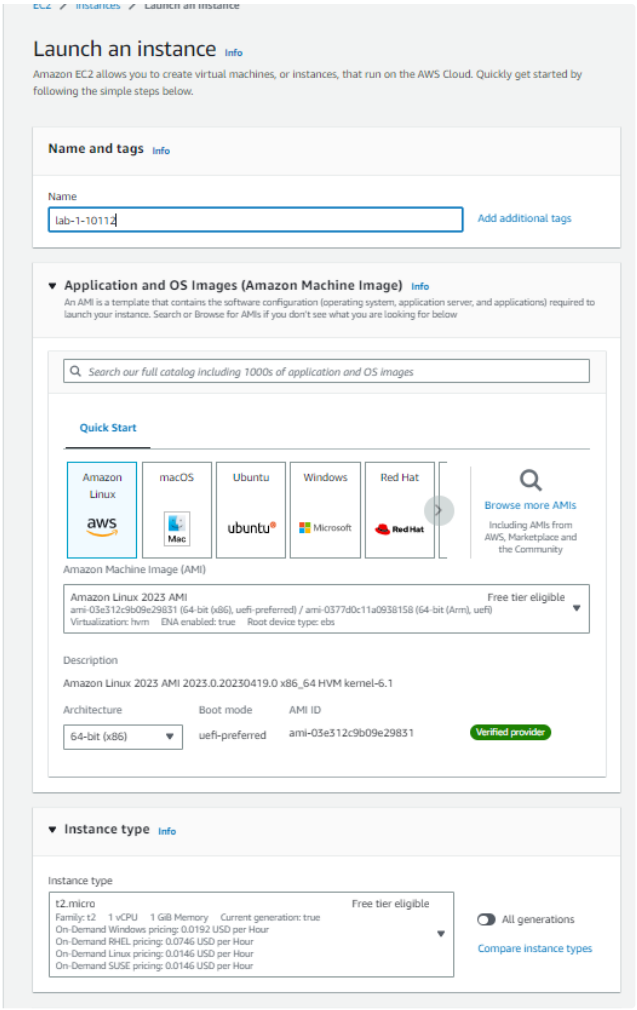
Volume - lab-1-(unique ID)

Load balancer - lab-1-(unique ID)

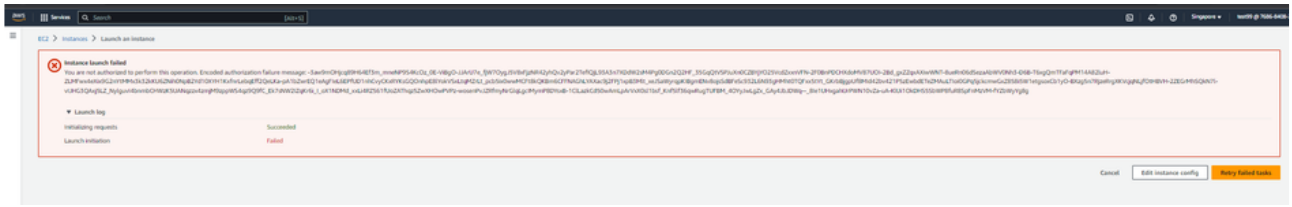
Target group - lab-1-(unique ID)

S3 Bucket - lab-1-(unique ID)

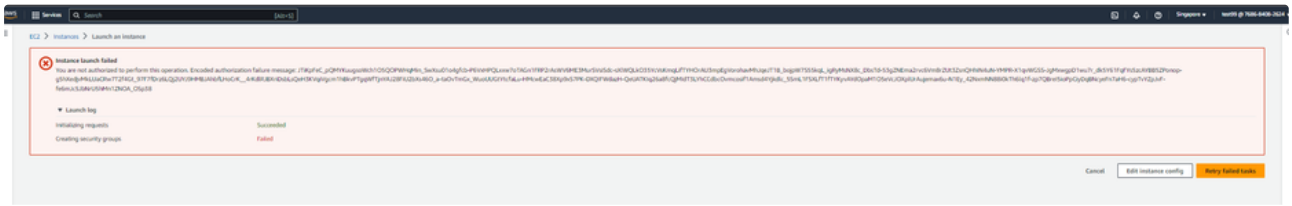
1.EC2 Instance creation:

- To launch an ec2 instance please use linux ami (pre-selected) and instance type as t2 micro or t2 small.
- 

- If you are using any other type of instance an error will be thrown and will deny the launch



- Make sure to define proper naming convention for the instance
- you can create a new key pair
- please chose the security group defined in the credentials file
- if you try to create a new security group you might face an error



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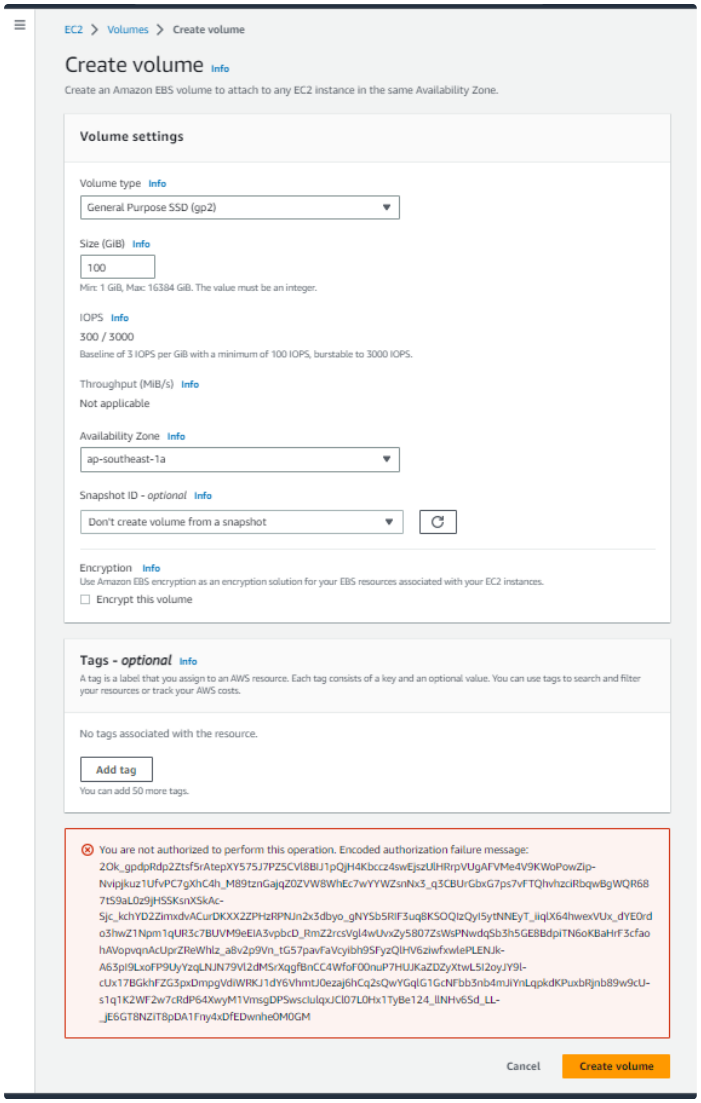
- The storage for the machine is by default (8Gb) any changes made to this might cause an error
- once you follow the above steps , you should be able to launch an ec2 instance

2.EBS Volume creation and attachment:

- Type of volume should be general purpose SSD (gp2)
- The default volume size is 100 Gb and if you create a volume without changing the size the volume cannot be created



- Please chose 1-2 GB of volume only,once you chose the proper size and type

3.Load Balancers and Target Groups:

- While creation of load balancers or target groups make sure to maintain proper naming conventions
- Please chose the type as application load balancer
- Use the security group as the one provided in the credentials document

4.Security Group:

- Refer to this section if you are facing any connection issues to the ec2 instance or for ec2-load balancer connection issue
- The same security group can be used for load balancers and ec2 instances, tying to create a security group might cause an error
- modifications of any security group rules is not allowed
- Make sure that you are using the exact security group as given in the Credentials Document and the below rules are allowed in the security group

  port 22 is allowed for your public ip
  port 80 is allowed for your public ip
  port 80 is allowed for self security group

- If still you are facing any conenction issues check if your public ip has changed and reach out to TA team

5. S3 Bucket Creation :

- Please follow unique and proper naming convention for S3 bucket creation

- While chosing the region please select “ap-southeast-1” for the bucket
- Public access of the bucket is not required
- You would have only have access to the bucket created by you
- Creation of multiple s3 buckets is not allowed

6.Attempts to Stop& Delete resources: