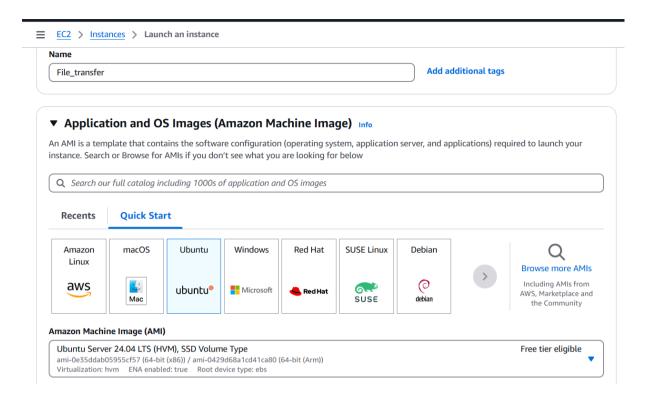
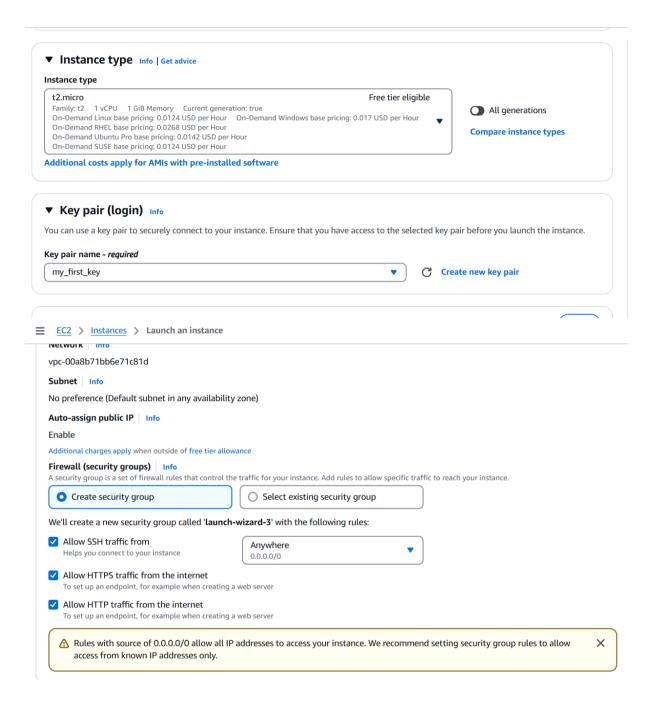
Fr. Conceicao Rodrigues college of Engineering Department of Computer Engineering

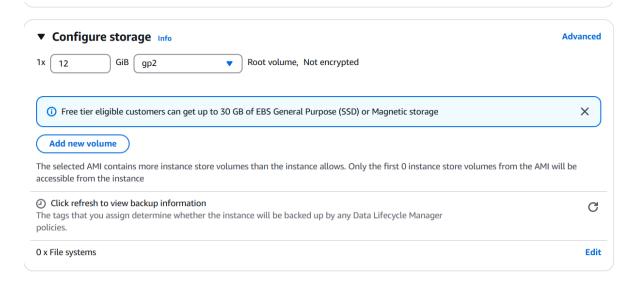
Experiment 3

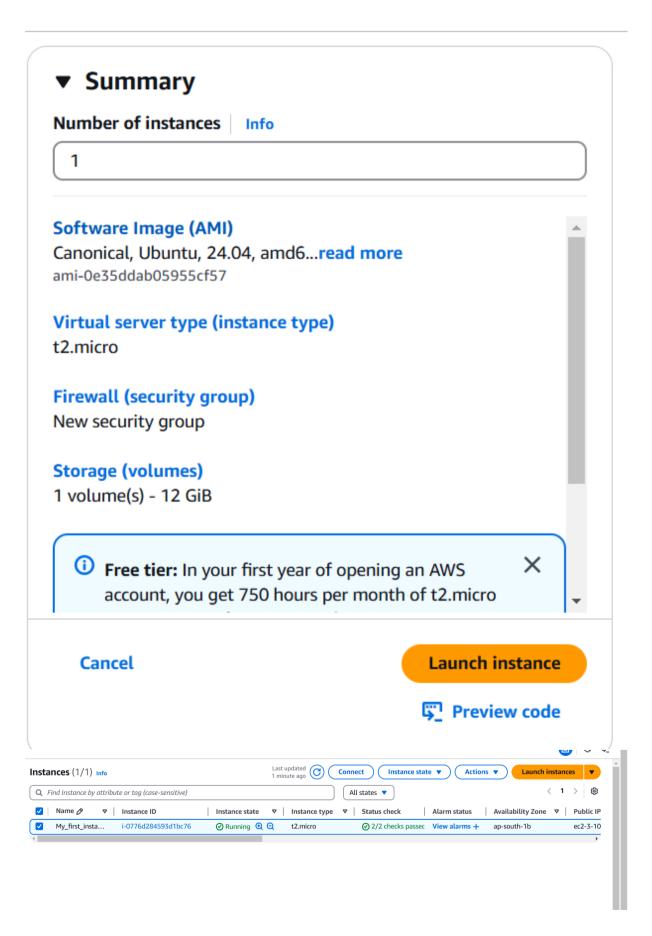
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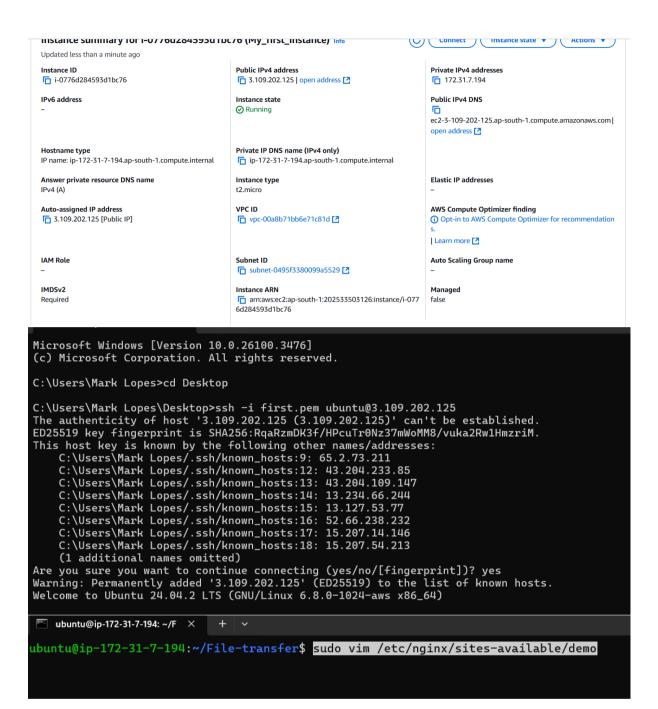
Criteria	Excellent	Good	Satisfactory	Poor	Total Marks
Understanding of AWS Basics (R1)	Demonstrates a comprehensive understanding of AWS and its role in cloud computing. Clearly articulates its significance with examples. (2)	Shows a good understanding of AWS, with minor inaccuracies. Provides relevant examples. (1.5)	Basic understanding is evident, but lacks depth or has some inaccuracies. Few examples provided.(1)	Limited or incorrect understanding of AWS basics. No relevant examples. (0)	2
Management of AWS EC2 Instances (R2)	Expertly creates and manages EC2 instances. Demonstrates advanced configurations and optimizations. (6)	Effectively creates and manages EC2 instances with minor errors or inefficiencies. (5)	Able to create and manage EC2 instances, but with noticeable errors or lack of optimization.	Struggles to create or manage EC2 instances effectively. Significant errors present. (3)	6
Utilization of AWS EBS and AMIs (R3)	Excellent understanding and application of EBS and AMIs. Uses these resources efficiently and effectively in different scenarios.	Good use of EBS and AMIs, with minor misunderstandings or inefficiencies in application. (3)	Basic utilization of EBS and AMIs, but lacks full understanding or efficiency. (2)	Poor understanding and application of EBS and AMIs. Incorrect or ineffective usage. (1)	4
Deployment of Application using AWS Free Tier (R4)	Successfully deploys a well-functioning application using AWS Free Tier services, demonstrating a high skill level. (6)	Deploys a functional application with minor issues or inefficiencies. Good use of AWS Free Tier services. (5)	Deploys a basic application with some functional issues. Limited use of AWS Free Tier services. (4)	Unable to deploy a functional application or makes poor use of AWS Free Tier services. (3)	
Cimeliness of Submission RS)	On time (2)	1-week late (1)	2-weeks late (0)	More than 2 weeks (Deduct up to 5 mar	2
otal Marks					18





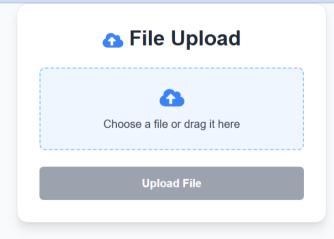






```
ubuntu@ip-172-31-7-194: ~/F ×
 server {
           listen 80;
           server_name 3.109.202.125;
           location / {
                    proxy_pass http://127.0.0.1:3000;
                    proxy_http_version 1.1;
                    proxy_set_header Upgrade $http_upgrade;
                    proxy_set_header Connection 'upgrade';
                    proxy_set_header Host $host;
                    proxy_cache_bypass $http_upgrade;
  }
ubuntu@ip-172-31-7-194:~/File-transfer$ sudo ln -s /etc/nginx/sites-available/demo /etc/nginx/sites-enabled
ubuntu@ip-172-31-7-194:~/File-transfer$ sudo nginx -t
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
ubuntu@ip-172-31-7-194:~/File-transfer$ sudo service nginx restart
ubuntu@ip-172-31-7-194:~/File-transfer$ pm2 start npm --name "File-transfer" -- start
[PM2] Starting /home/ubuntu/.nvm/versions/node/v22.14.0/bin/npm in fork_mode (1 instance)
[PM2] None
 [PM2] Done.
  id name
                                  mode
                                                         status
                                                                                     memorv
        File-transfer
                                   fork
                                                                                     11.1mb
 [PM2][WARN] Current process list is not synchronized with saved list. App flask-app differs. Type 'pm2 save' to synchron
ubuntu@ip-172-31-7-194:~/File-transfer$
```

▲ Not secure 3.109.202.125



Not secure 3.109.202.125

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- an Ecr environment. Security grown in
- → i) Act ac a virtual firewall Controls cinhaund and wouthound traffic for
 - 11) Rule-diared vaccent scentral Allows var adenier traffic hased on adefined vuller (protocol, port, I Perange).
 - Repares to allowed cinhound traffic are contamatically collowed expected value
- (v) customizable cand dynamic Rules can be madified anytime without verstarting unitances.
- By default, all inhaund traffic in blacked unless explicitly allowed.