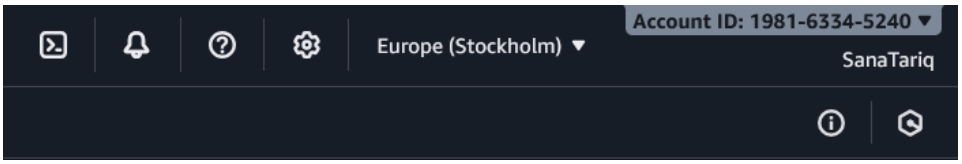
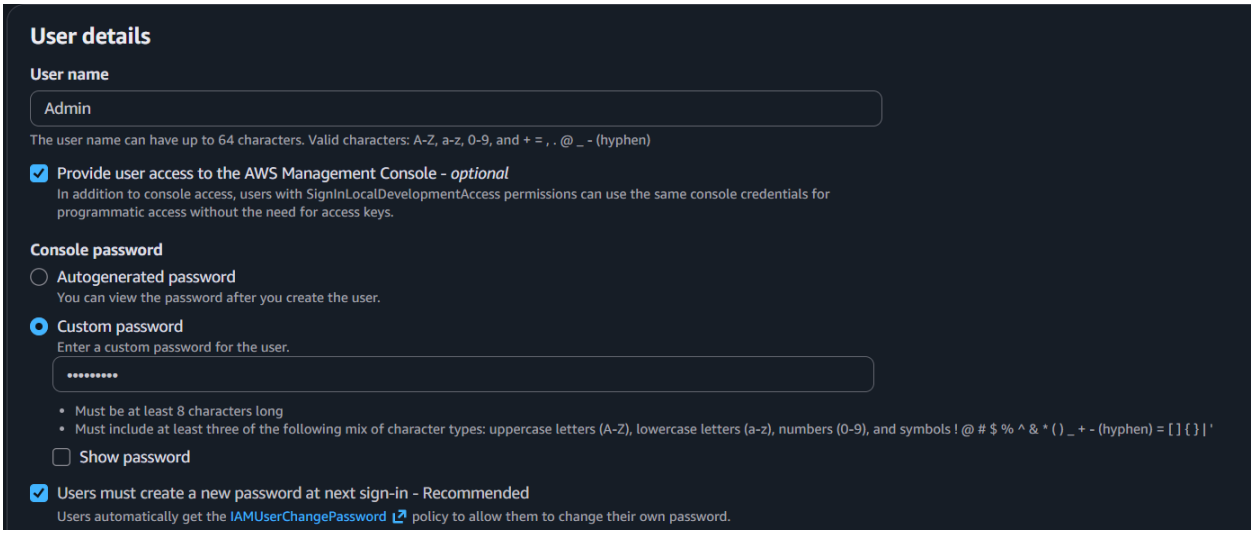
NAME: SANA TARIQ
CLASS: BSE 5B
REG.NO: 058
SUBJECT: CLOUD COMPUTING

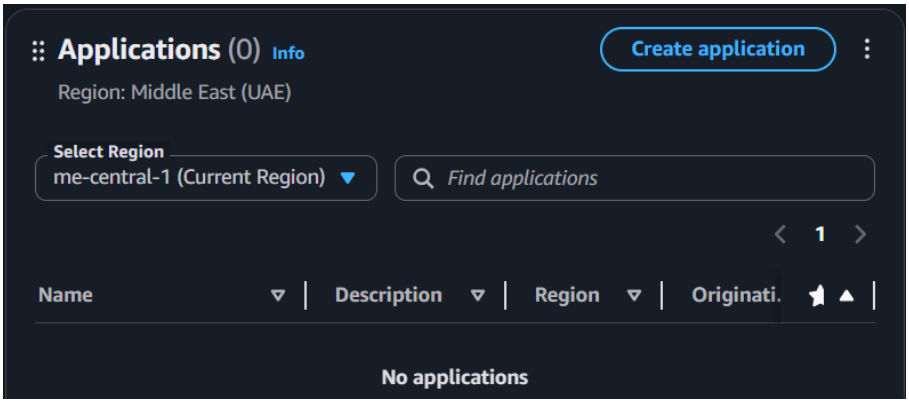
LAB#08

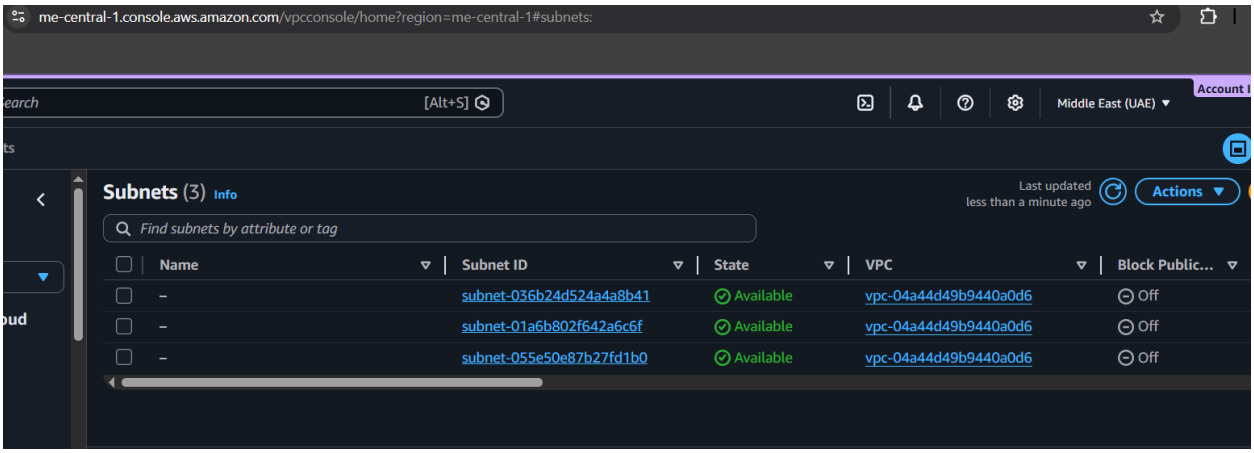
Task 1 & 2: Account & IAM Setup



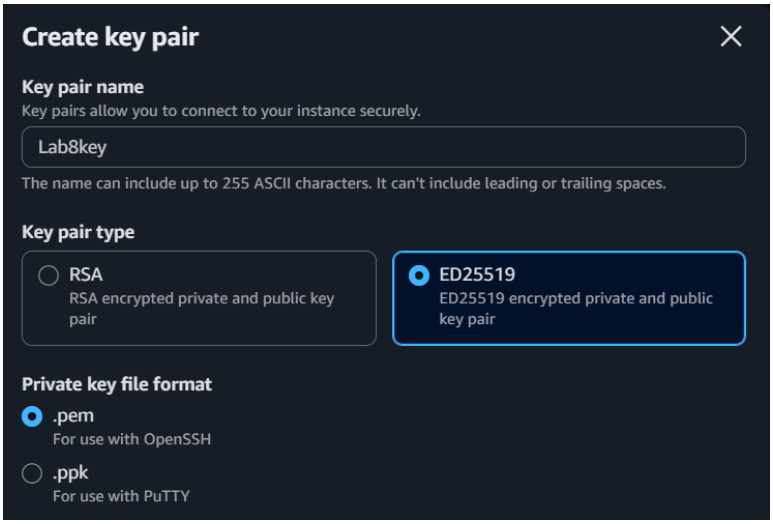


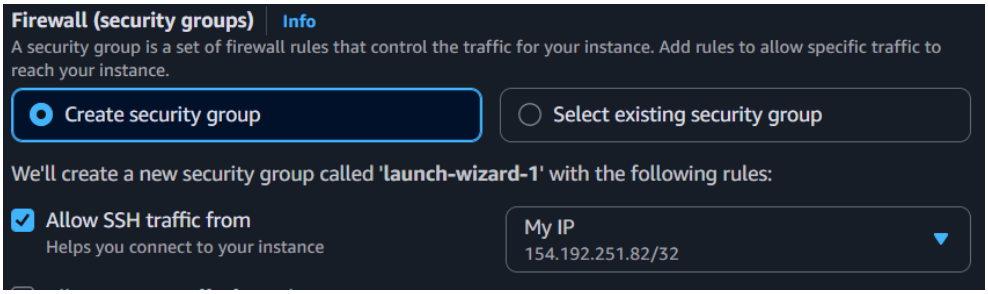
Task 3: VPC Inspection

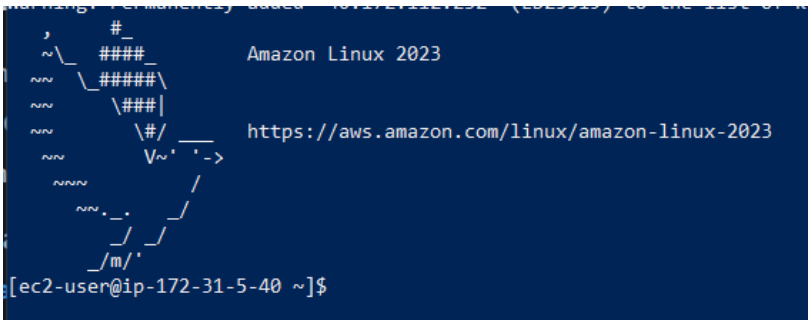




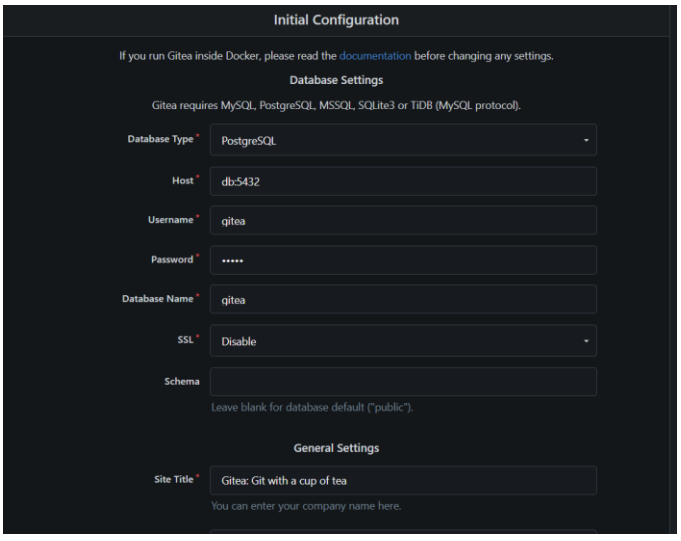
Task 4: EC2 & Gitea Deployment (The Technical Part)







```
[ec2-user@ip-172-31-5-40 ~]$ sudo yum update -y
Amazon Linux 2023 Kernel Livepatch repository
Dependencies resolved.
Nothing to do.
Complete!
[ec2-user@ip-172-31-5-40 ~]$ sudo yum install -y docker
```

```
Complete!
[ec2-user@ip-172-31-5-40 ~]$ sudo mkdir -p /usr/local/lib/docker/cli-plugins
https://github.com/docker/compose/releases/latest/download/docker-compose-linux-x86_64 -o /usr/local/lib/docker/cli-plug
ins/docker-compose
sudo chmod +x /usr/local/lib/docker/cli-plugins/docker-composesudo curl -SL https://github.com/docker/compose/releases/l
atest/download/docker-compose-linux-x86_64 -o /usr/local/lib/docker/cli-plugins/docker-compose
sudo chmod +x /usr/local/lib/docker/cli-plugins/docker-compose[ec2-user@ip-172-31-5-40 ~]$
[ec2-user@ip-172-31-5-40 ~]$ sudo mkdir -p /usr/local/lib/docker/cli-plugins
[ec2-user@ip-172-31-5-40 ~]$ sudo curl -SL https://github.com/docker/compose/releases/latest/download/docker-compose-lin
ux-x86_64 -o /usr/local/lib/docker/cli-plugins/docker-compose
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
  0     0    0     0    0     0      0      0 --:--:-- --:--:-- --:--:--     0
  0     0    0     0    0     0      0      0 --:--:-- --:--:-- --:--:--     0
100 29.8M  100 29.8M    0     0  51.8M      0 --:--:-- --:--:-- --:--:-- 51.8M
[ec2-user@ip-172-31-5-40 ~]$ sudo chmod +x /usr/local/lib/docker/cli-plugins/docker-compose
[ec2-user@ip-172-31-5-40 ~]$ sudo chmod +x /usr/local/lib/docker/cli-plugins/docker-compose
[ec2-user@ip-172-31-5-40 ~]$
```

```
[ec2-user@ip-172-31-5-40 ~]$ nano compose.yaml
[ec2-user@ip-172-31-5-40 ~]$ [ec2-user@ip-172-31-5-40 ~]$ docker compose up -d
[+] up 16/18
[+] up 23/23ea/gitea:latest Pulled
 ⠿ Image gitea/gitea:latest Pulled
   ⠿ 2d35ebdb57d9           Pull complete
   ⠿ 9f4e672c1f34           Pull complete
   ⠿ 4da94b3cc809           Pull complete
   ⠿ 8e016ece0bd3           Pull complete
   ⠿ 346e493cb6cb           Pull complete
   ⠿ 95215379f1d1           Pull complete
 ⠿ Image postgres:alpine    Pulled
   ⠿ 1074353eec0d           Pull complete
   ⠿ 51a9324a2bdc           Pull complete
   ⠿ 1e827ac0fa1e           Pull complete
   ⠿ 0629ac8b8cc5           Pull complete
   ⠿ 2e50a444bddf           Pull complete
   ⠿ 4465107e1675           Pull complete
   ⠿ cc2ee20b6816           Pull complete
   ⠿ 0dfd86289dd1           Pull complete
   ⠿ 98eecc0da868           Pull complete
   ⠿ b747867e61cb           Pull complete
 ⠿ Network webnet           Created
 ⠿ Volume gitea_postgres    Created
 ⠿ Volume gitea             Created
 ⠿ Container gitea_db       Created
 ⠿ Container gitea          Created
```