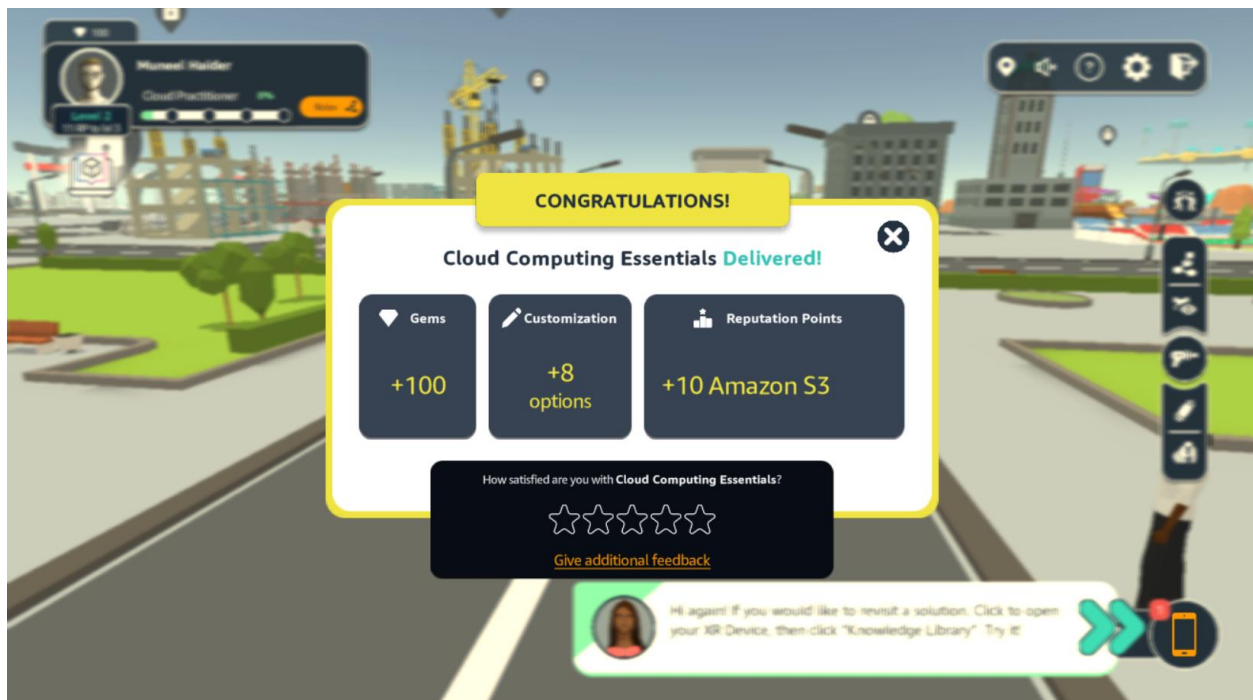


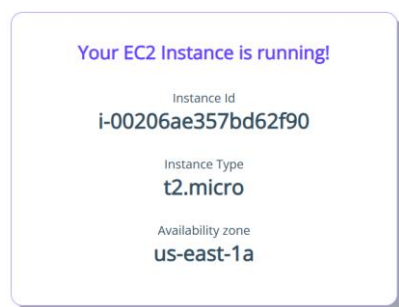
## Cloud Computing Assignments 1 and 2

### 1. CLOUD COMPUTING ESSENTIALS



COMPLETED CLOUD COMPUTING ESSENTIALS

### 2. CLOUD FIRST STEPS:

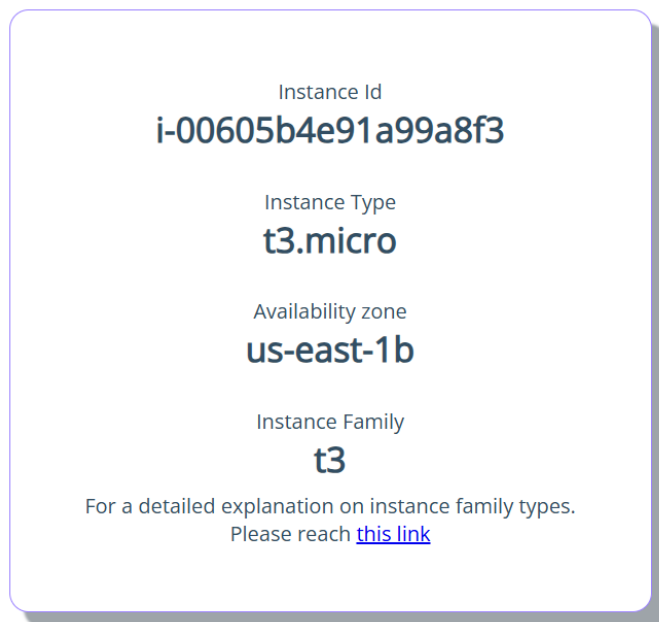


Ran the EC2 Instance Successfully



*Completed the Cloud First Steps*

### 3. COMPUTING SOLUTIONS



*Ran the t3 instance*

```
sh-5.2$ sudo -i
[root@ip-10-10-128-10 ~]# cd ../home/ec2-user/sample_app
[root@ip-10-10-128-10 sample_app]# ls
__pycache__  app.py  aws_compute_solutions.log  requirements.txt  templates
[root@ip-10-10-128-10 sample_app]# tail -lf aws_compute_solutions.log
INFO:werkzeug: * Running on http://0.0.0.0:80/ (Press CTRL+C to quit)
INFO:root:Instance Family is t3
INFO:root:Instance Type is t3.micro
INFO:root:Instance Id is i-00605b4e91a99a8f3
INFO:root:Availability Zone is us-east-1b
INFO:werkzeug:154.192.138.1 - - [24/Mar/2025 21:28:44] "GET / HTTP/1.1" 200 -
INFO:werkzeug:154.192.138.1 - - [24/Mar/2025 21:28:45] "GET /favicon.ico HTTP/1.1" 404 -
```

*Completed the console commands*

Successfully initiated stopping of i-00605b4e91a99a8f3

Instances (1/1) [Info](#)

Last updated less than a minute ago [Refresh](#) [Connect](#) [Instance state](#) [Actions](#) [Launch instances](#)

[All states](#)

<input checked="" type="checkbox"/>	Name <a href="#">↗</a>	Instance ID	Instance state <a href="#">↕</a>	Instance type <a href="#">↕</a>	Status check	Alarm status	Availability Zone <a href="#">↕</a>	Put
<input checked="" type="checkbox"/>	AWS Comput...	i-00605b4e91a99a8f3	<a href="#">⏻</a> Stopped <a href="#">🔍</a>	t3.micro	-	<a href="#">View alarms +</a>	us-east-1b	-

i-00605b4e91a99a8f3 (AWS Computing Solutions)

[Details](#) [Status and alarms](#) [Monitoring](#) [Security](#) [Networking](#) [Storage](#) [Tags](#)

▼ Instance summary [Info](#)

Instance ID  
[🔗](#) i-00605b4e91a99a8f3

IPv6 address  
-

Public IPv4 address  
-

Instance state  
[⏻](#) Stopped

Private IPv4 addresses  
[🔗](#) 10.10.128.10

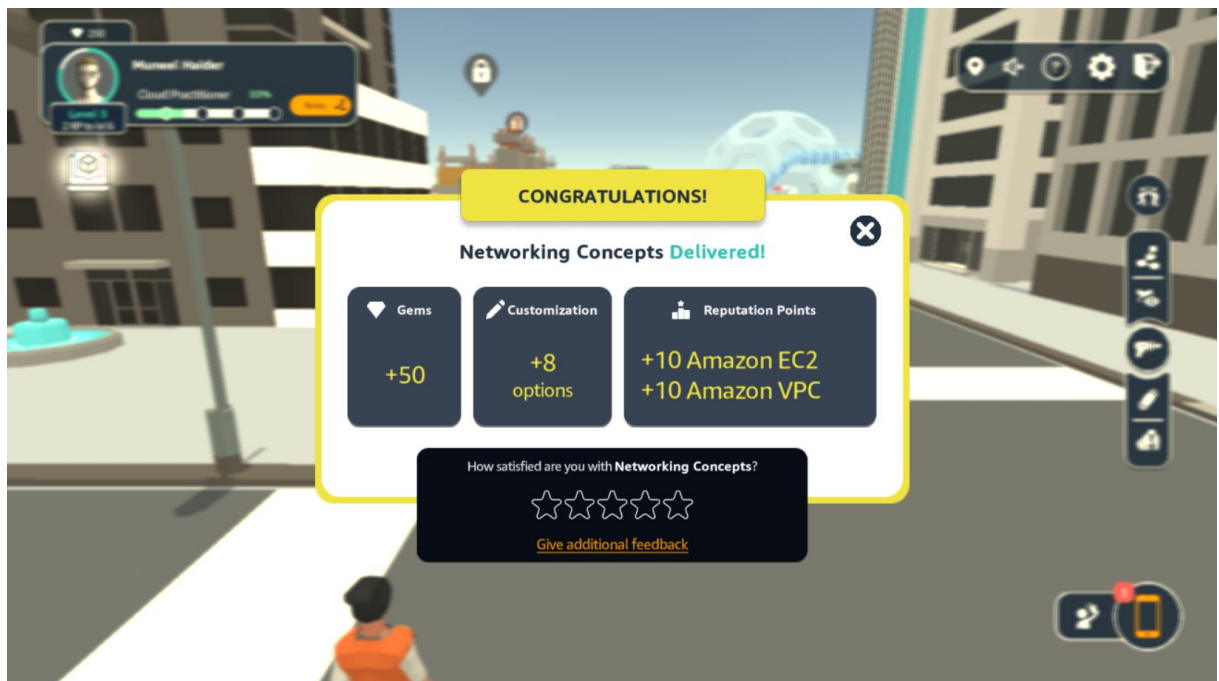
Public IPv4 DNS  
-

*Stopped the instance*



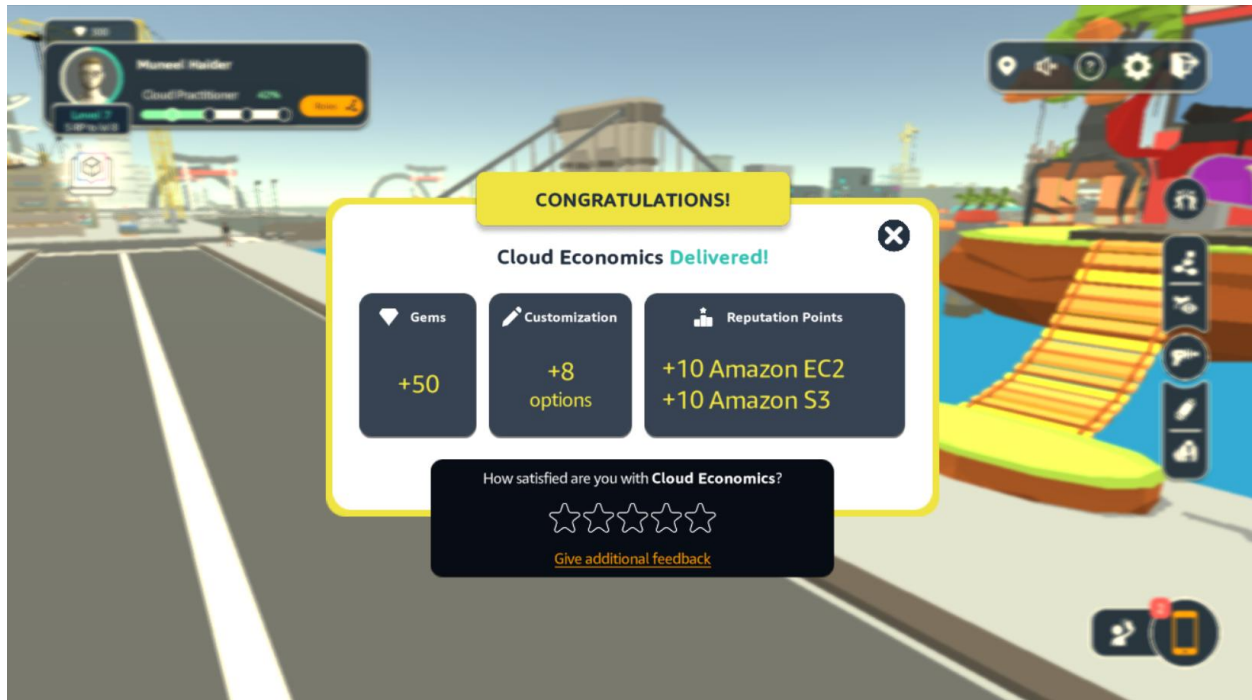
*Completed Computing Solutions*

## 4. NETWORKING CONCEPTS



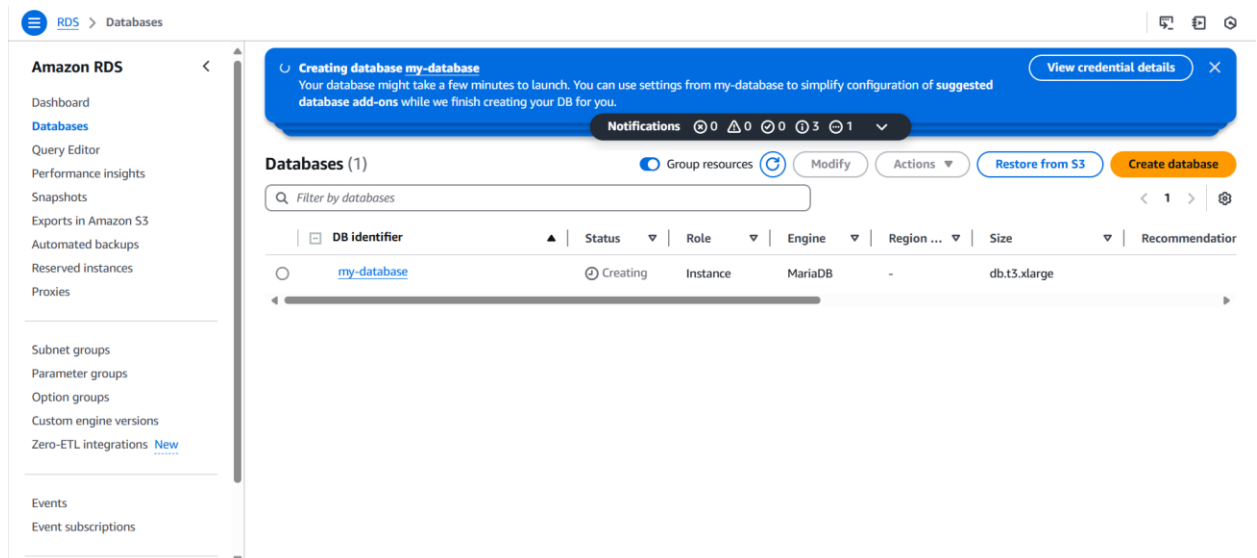
*Completed Networking Solutions*

## 5. CLOUD ECONOMICS



*Completed Cloud Economics*

## 6. DATABASE IN PRACTICE:

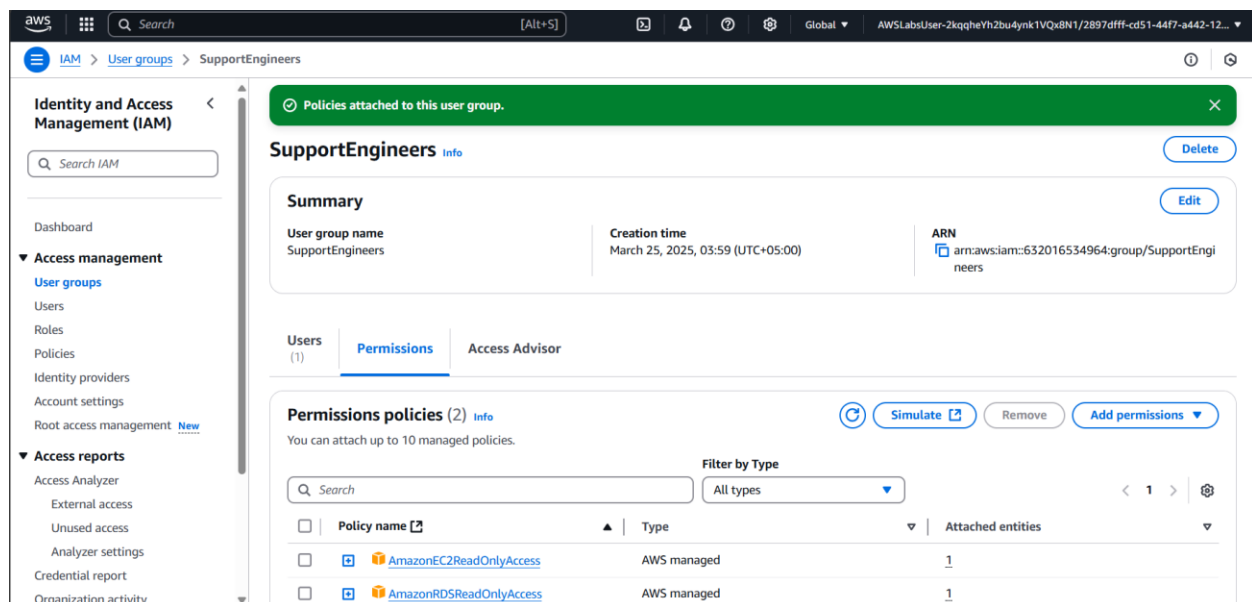


*Created new database*



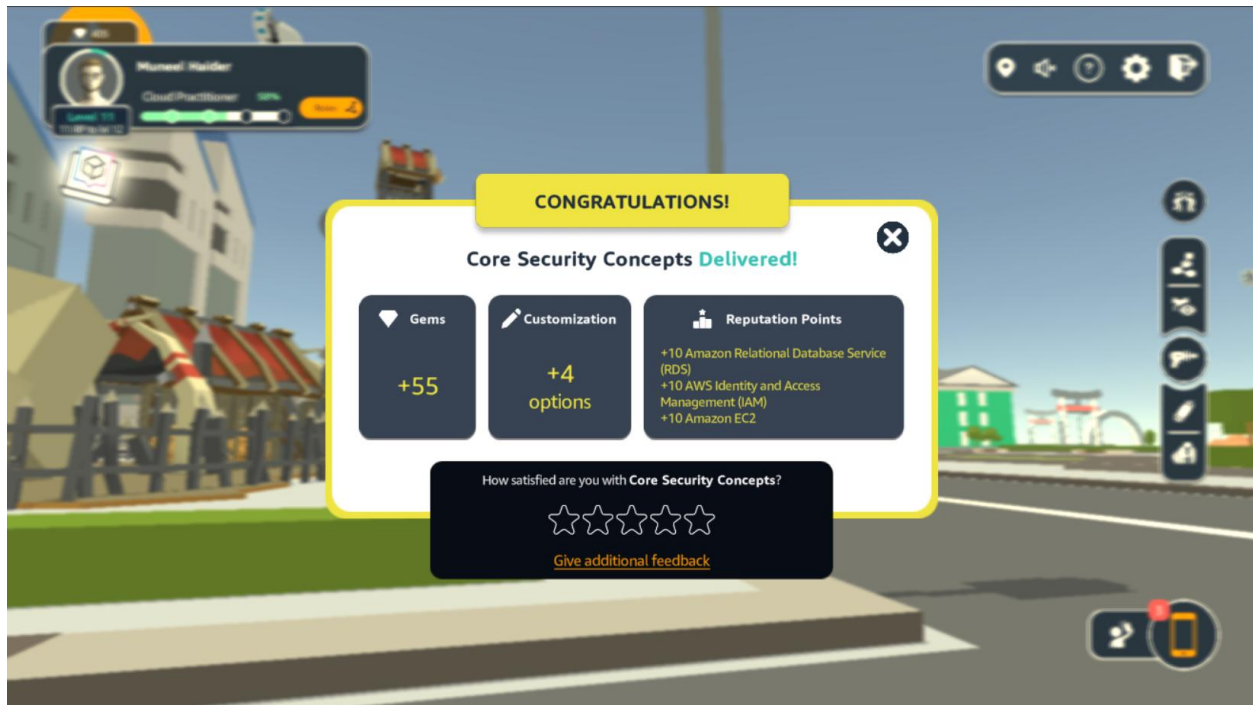
*Completed Database in Practice (necessary for Core Security Concepts)*

## 7. CORE SECURITY CONCEPTS



*Created new User Group 'SupportEngineers' and added new user 'support-engineer-1'*





*Completed Core Security Concepts*