Deploying OpenTelemetry Application in AWS EKS

ENPM818N Cloud Computing - Group 9 Final Project

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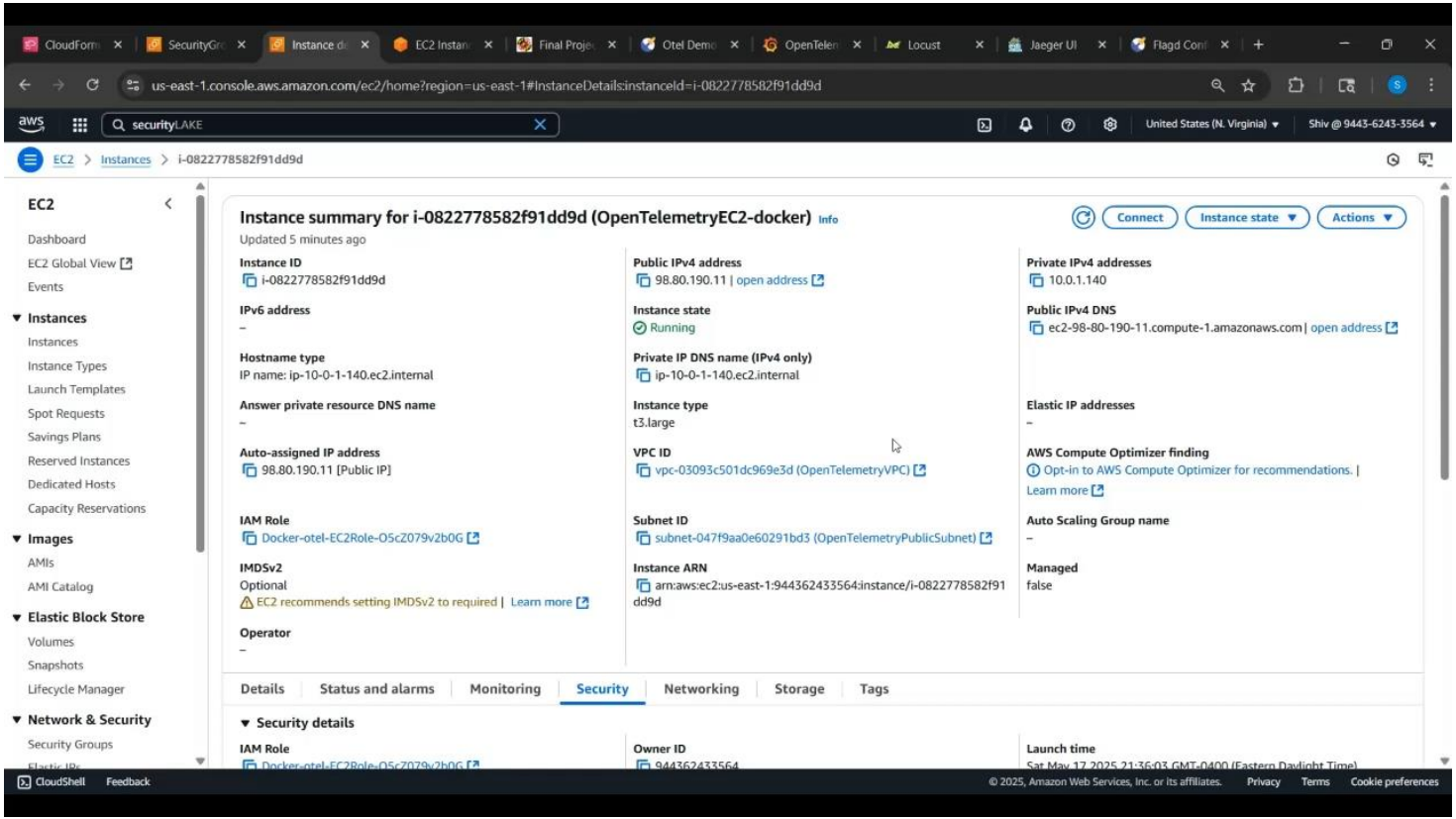
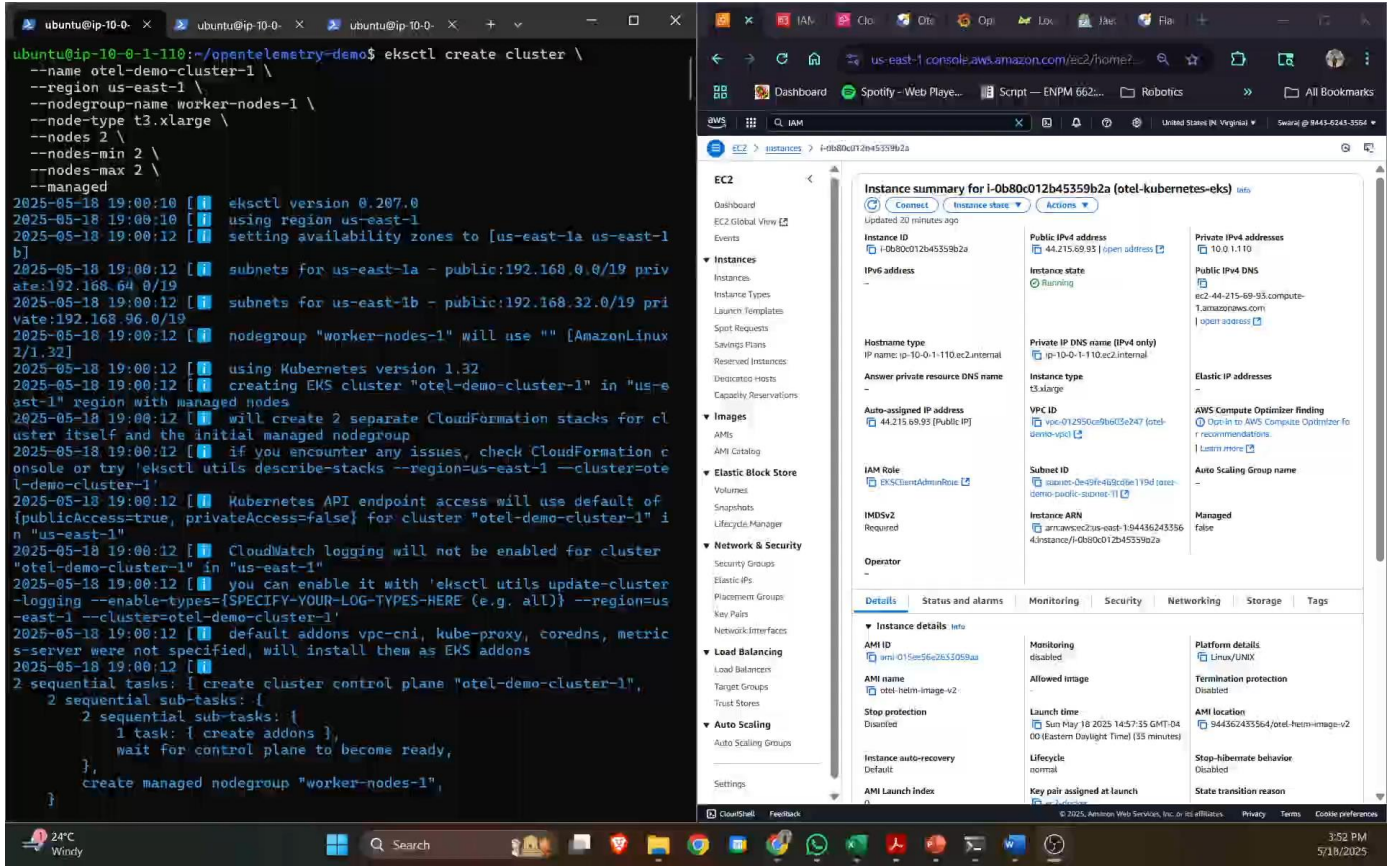
Docker Phase Overview (Drive Link of Video : Link)



Kubernetes Phase Overview (Drive Link of Video : Link)



Helm Phase Overview (Drive Link of Video : Link)

Helm Phase Overview

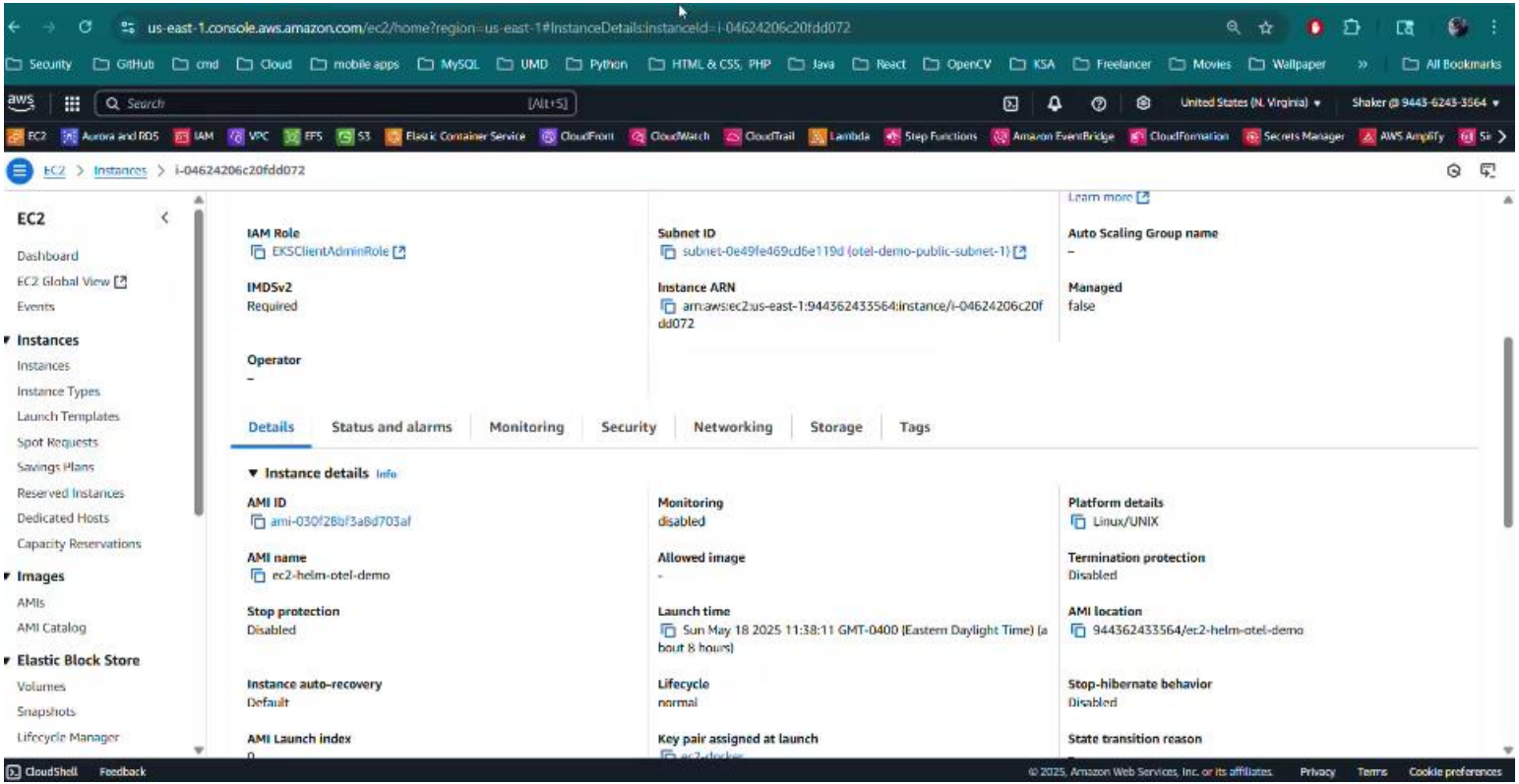
```
ubuntu@ip-10-0-1-222:~$ helm repo add open-telemetry https://open-telemetry.
github.io/opentelemetry-helm-charts
"open-telemetry" already exists with the same configuration, skipping
```

```
ubuntu@ip-10-0-1-222:~$ helm search repo open-telemetry
NAME                                    CHART VERSION   APP VERSION     DESCRIPTION
open-telemetry/opentelemetry-collector  0.122.5         0.123.1         OpenTelemetry Collector Helm chart for Kubernetes
open-telemetry/opentelemetry-demo       0.37.1          2.0.2           opentelemetry demo helm chart
open-telemetry/opentelemetry-ebpf       0.1.6           v0.10.2         OpenTelemetry eBPF Helm chart for Kubernetes
open-telemetry/opentelemetry-kube-stack 0.5.2           0.120.0         OpenTelemetry Quickstart chart for Kubernetes. ...
open-telemetry/opentelemetry-operator   0.88.6          0.124.0         OpenTelemetry Operator Helm chart for Kubernetes
ubuntu@ip-10-0-1-222:~$
```

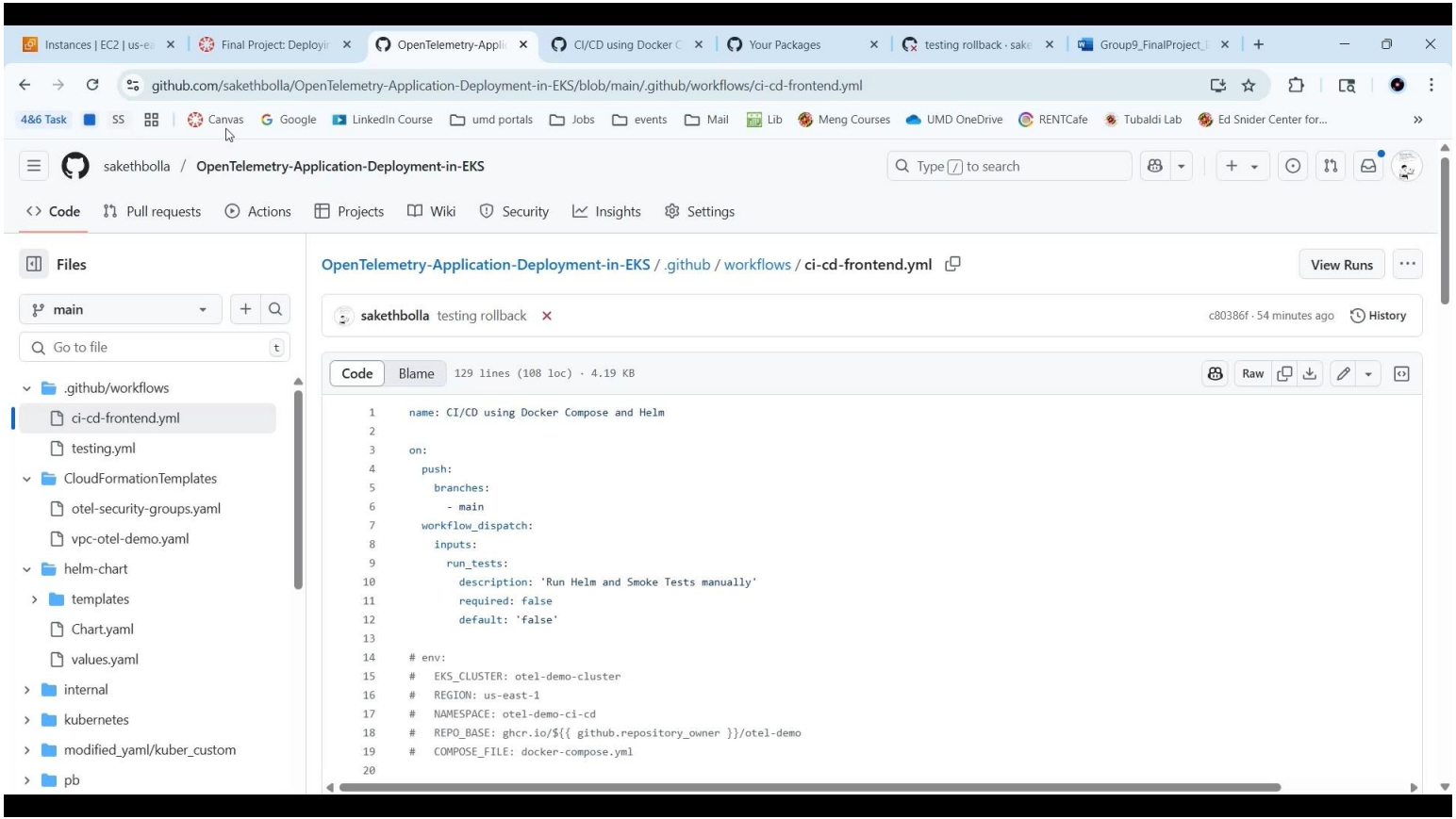
```
ubuntu@ip-10-0-1-222:~$ helm repo update
Hang tight while we grab the latest from your chart repositories...
...Successfully got an update from the "open-telemetry" chart repository
Update Complete. ⎈Happy Helming!⎈
ubuntu@ip-10-0-1-222:~$
```

```
ubuntu@ip-10-0-1-222:~$ kubectl create namespace otel-demo-helm
namespace/otel-demo-helm created
ubuntu@ip-10-0-1-222:~$
```

Alerting Service and Notifications Overview (Drive Link of Video : Link)



CI/CD Integration Overview (Drive Link of Video : Link)



Thank You