



Take a note...

Meeting Follow-up

DevOps Sync

Need to check on the EC2 security group rules. Port 3000 and 8080 must be open for the demo to work. Also, confirm Grafana password.

K8s Commands

Daily Cheat Sheet

```
-kubectl get pods -n notes-app --- kubectl logs -f <pod-name> -n notes-app --- kubectl rollout restart deployment/frontend-deployment -n notes-app
```

Project Ideas

Q4 Goals

Implement OpenTelemetry tracing (Jaeger/Tempo) Set up Prometheus alerts for high memory usage Configure Loki log parsing for Nginx

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```

ubuntu@ip-172-31-2-132:~$ kubectl get all -n notes-app
NAME                                READY    STATUS    RESTARTS   AGE
pod/backend-deployment-f6978d776-52wkh    1/1      Running    0           44m
pod/frontend-deployment-6d97d5c469-gs62m    1/1      Running    0           40m
pod/mongodb-deployment-5f9975f4d-hlvs7      1/1      Running    0           44m

NAME                                TYPE      CLUSTER-IP    EXTERNAL-IP  PORT(S)    AGE
service/backend-service              ClusterIP  10.98.143.53   <none>        3000/TCP    21h
service/frontend-service             ClusterIP  10.105.84.57   <none>        80/TCP      21h
service/mongodb-service              ClusterIP  10.99.44.253   <none>        27017/TCP   21h

NAME                                READY    UP-TO-DATE    AVAILABLE    AGE
deployment.apps/backend-deployment    1/1      1              1            44m
deployment.apps/frontend-deployment    1/1      1              1            44m
deployment.apps/mongodb-deployment     1/1      1              1            44m

NAME                                DESIRED    CURRENT    READY    AGE
replicaset.apps/backend-deployment-f6978d776    1          1          1        44m
replicaset.apps/frontend-deployment-6d97d5c469    1          1          1        40m
replicaset.apps/frontend-deployment-8677966bcd    0          0          0        44m
replicaset.apps/mongodb-deployment-5f9975f4d     1          1          1        44m
ubuntu@ip-172-31-2-132:~$

```

```

ubuntu@ip-172-31-2-132:~$ kubectl get all -n loki-stack
NAME                                READY    STATUS    RESTARTS   AGE
pod/loki-0                          1/1      Running    1 (18h ago)  19h
pod/loki-grafana-54c4bcdb77-sxzkm    2/2      Running    2 (18h ago)  19h
pod/loki-promtail-cl492              1/1      Running    1 (18h ago)  19h

NAME                                TYPE      CLUSTER-IP    EXTERNAL-IP  PORT(S)    AGE
service/loki                        ClusterIP  10.101.149.96   <none>        3100/TCP    19h
service/loki-grafana                 ClusterIP  10.106.164.203   <none>        80/TCP      19h
service/loki-headless                 ClusterIP  None            <none>        3100/TCP    19h
service/loki-memberlist               ClusterIP  None            <none>        7946/TCP    19h

NAME                                DESIRED    CURRENT    READY    UP-TO-DATE    AVAILABLE    NODE SELECTOR    AGE
daemonset.apps/loki-promtail         1          1          1          1              1            <none>            19h

NAME                                READY    UP-TO-DATE    AVAILABLE    AGE
deployment.apps/loki-grafana          1/1      1              1            19h

NAME                                DESIRED    CURRENT    READY    AGE
replicaset.apps/loki-grafana-54c4bcdb77    1          1          1        19h

NAME                                READY    AGE
statefulset.apps/loki                 1/1      19h
ubuntu@ip-172-31-2-132:~$

```