

Terraform

Check Components on UI

VPC Overview

ch

[Option+S]

Singapore

kietlyc @ 9923-8272-7045

VPC > Your VPCs > vpc-00d7b473ae7de1c63

vpc-00d7b473ae7de1c63 / k-vpc

Actions

Details

Info

VPC ID
vpc-00d7b473ae7de1c63

Tenancy
Default

Default VPC
No

Network Address Usage metrics
Disabled

State
Available

DHCP option set
dopt-0016b4a33f23ad41f

IPv4 CIDR
10.0.0/16

Route 53 Resolver DNS Firewall rule groups
-

DNS hostnames
Disabled

Main route table
rtb-046a1a34915aeafaa

IPv6 pool
-

Owner ID
992382727045

DNS resolution
Enabled

Main network ACL
acl-0474357d6e9989ffd

IPv6 CIDR (Network border group)
-

Resource map

CIDRs

Flow logs

Tags

Integrations

Resource map

Info

VPC
Show details
Your AWS virtual network
k-vpc

Subnets (2)
Subnets within this VPC

ap-southeast-1a
k-subnet-0

ap-southeast-1b
k-subnet-1

Route tables (2)
Route network traffic to resources

rtb-046a1a34915aeafaa

rtb-08792702df57e0b1e

Network connections (1)
Connections to other networks

igw-070047b34683fe38e

Subnets

iole.aws.amazon.com/vpcconsole/home?region=ap-southeast-1#subnets:sort=desc:tag:Name

Finish update

ch

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Subnets (2/5)

Info

Last updated 1 minute ago

Actions

Create subnet

Find resources by attribute or tag

	Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR	IPv6 CIDR
<input checked="" type="checkbox"/>	k-subnet-1	subnet-086eaacda7c713df9	Available	vpc-00d7b473ae7de1c63 k-vpc	10.0.2.0/24	-	-
<input checked="" type="checkbox"/>	k-subnet-0	subnet-0cf5814ed8ef111f5	Available	vpc-00d7b473ae7de1c63 k-vpc	10.0.1.0/24	-	-
<input type="checkbox"/>	-	subnet-0c53ba71cc76ee94b	Available	vpc-09542bf4a3a259c4f	172.31.32.0/20	-	-
<input type="checkbox"/>	-	subnet-027e044788f9e0fcb	Available	vpc-09542bf4a3a259c4f	172.31.16.0/20	-	-
<input type="checkbox"/>	-	subnet-04d4d7ed5abdf0e0c	Available	vpc-09542bf4a3a259c4f	172.31.0.0/20	-	-

EKS Clusters

EKS Overviews

EKS VPC

EKS Plugin

[Option+5]

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EKS > Clusters > my-eks-cluster

my-eks-cluster

RefreshDelete cluster

▼ Cluster info Info

StatusActive

Kubernetes version1.30

Support periodStandard support until July 28, 2025

ProviderEKS

OverviewResourcesComputeNetworkingAdd-onsAccessObservabilityUpgrade insightsUpdate historyTags

Feedback Survey

Tell us what you think about the new AWS Marketplace Add-ons for EKS experience.

Take the survey

Add-ons (1) Info

Find add-onAny categoryAny status1 matchView detailsEditRemoveGet more add-ons

Amazon EBS CSI Driver

Enable Amazon Elastic Block Storage (EBS) within your cluster.

Categorystorage

StatusCreating

Versionv1.33.0-eksbuild.1

IAM role for service account (IRSA)
arn:aws:iam::992382727045:role/AmazonEKS_EBS_CSI_DriverRole

View in IAM

EC2 instance for Jenkins

EC2 Overview

[Option+5]

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Instances (1/1) Info

Find Instance by attribute or tag (case-sensitive)All statesConnectInstance stateActionsLaunch Instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public L...	Public IPv4 ...	Elastic IP	IPv6 IPs	Monitoring
EC2 Instance for Jenkins & Docker	i-0dee80e0ed94a338	Running	t2.medium	2/2 checks passed	View alarms	ap-southeast-1a	-	54.251.20.133	-	-	disabled

i-0dee80e0ed94a338 (EC2 instance for Jenkins & Docker)

DetailsStatus and alarmsMonitoringSecurityNetworkingStorageTags

▼ Instance summary Info

Instance ID
i-0dee80e0ed94a338 (EC2 instance for Jenkins & Docker)

IPv6 address
-

Hostname type
IP name: ip-10-0-1-191.ap-southeast-1.compute.internal

Answer private resource DNS name
-

Auto-assigned IP address
54.251.20.133 [Public IP]

IAM Role
ec2_role

IMDSv2
Required

▼ Instance details Info

Platform
Ubuntu (Inferred)

Platform details
Linux/UNIX

Stop protection
Disabled

Public IPv4 address
54.251.20.133 | open address

Instance state
Running

Private IP DNS name (IPv4 only)
ip-10-0-1-191.ap-southeast-1.compute.internal

Instance type
t2.medium

VPC ID
vpc-00d7b473ae7de1c63 (k-vpc)

Subnet ID
subnet-0cf5814ed8ef11f5 (k-subnet-0)

Instance ARN
arn:aws:ec2:ap-southeast-1:992382727045:instance/i-0dee80e0ed94a338

AMI ID
ami-060e277cd44ce553

AMI name
ubuntu/images/hvm-ssd-gp3/ubuntu-noble-24.04-amd64-server-20240701.1

Launch time
Sat Aug 17 2024 08:26:22 GMT+0700 (Indochina Time) (4 minutes)

Private IPv4 addresses
10.0.1.191

Public IPv4 DNS
-

Elastic IP addresses
-

AWS Compute Optimizer finding
Opt-in to AWS Compute Optimizer for recommendations. | Learn more

Auto Scaling Group name
-

Monitoring
disabled

Termination protection
Disabled

AMI location
amazon/ubuntu/images/hvm-ssd-gp3/ubuntu-noble-24.04-amd64-server-20240701.1

Docker CLI, AWS CLI and Kubectl installed

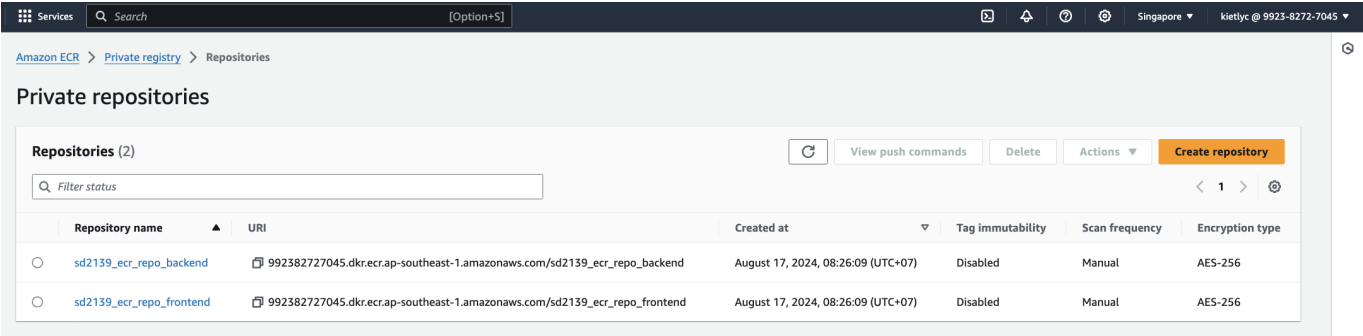
```
ubuntu@ip-10-0-1-191:~$ aws --version
aws-cli/2.17.32 Python/3.11.9 Linux/6.8.0-1009-aws exe/x86_64.ubuntu.24
ubuntu@ip-10-0-1-191:~$ docker --version
Docker version 27.1.2, build d01f264
ubuntu@ip-10-0-1-191:~$ kubectl version
Client Version: v1.31.0
Kustomize Version: v5.4.2
```

3 / 10

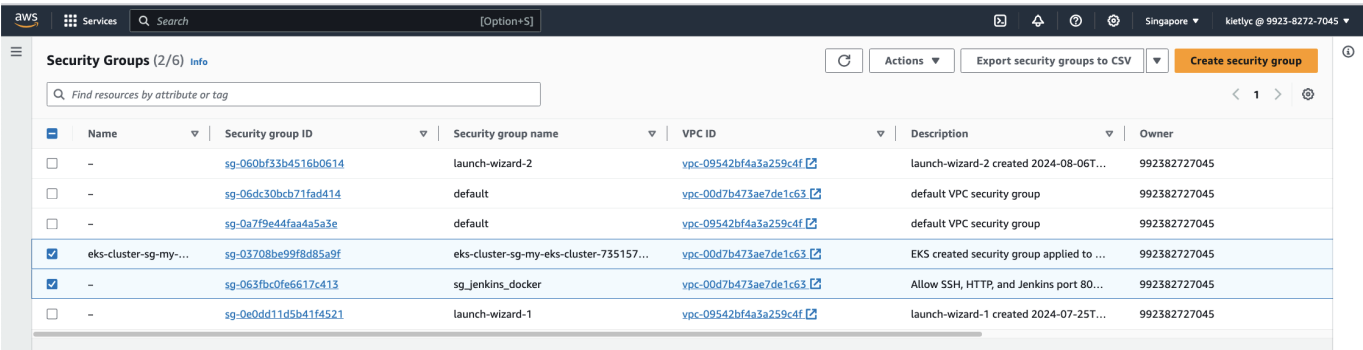
Jenkins installed and running



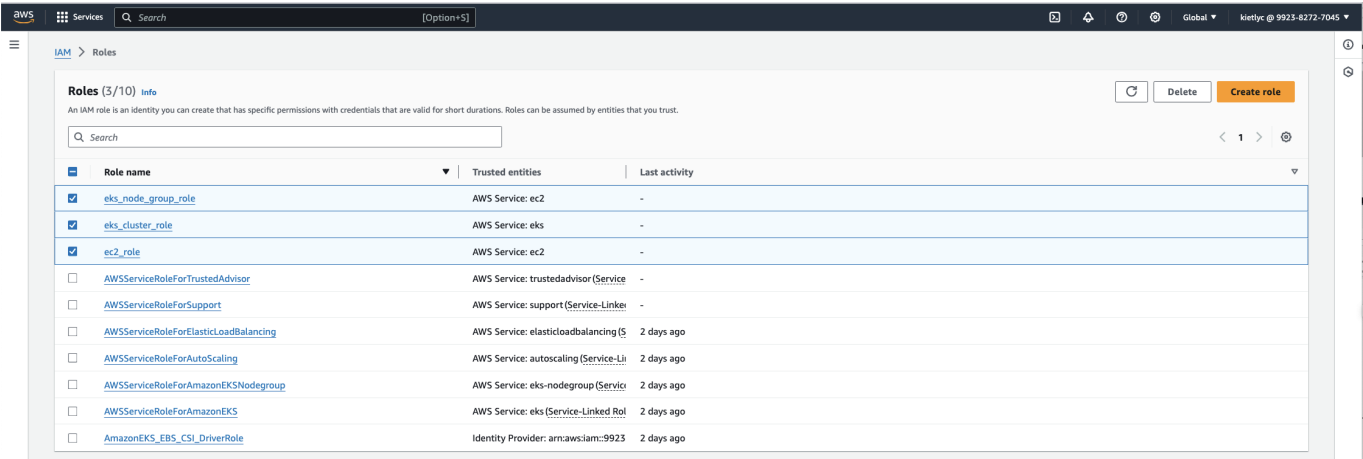
ECR



Security Group



IAM Roles



Jenkins

Secrets configuration

Global credentials (unrestricted)

+ Add Credentials

Credentials that should be available irrespective of domain specification to requirements matching.

ID	Name	Kind	Description
KietChan-PrivateKey	KietChan	SSH Username with private key	

Icon: S M L

Continuous Integration

Frontend

Check for unit test

```
[Pipeline] sh
+ npm test

> my-app@0.1.4 test
> react-scripts test

Browserslist: caniuse-lite is outdated. Please run:
  npx browserslist@latest --update-db
  Why you should do it regularly: https://github.com/browserslist/browserslist#browsers-data-updating
PASS src/App.test.js
  ✓ renders without crashing (78 ms)

Test Suites: 1 passed, 1 total
Tests:      1 passed, 1 total
Snapshots:  0 total
Time:       1.406 s
Ran all test suites.
```

New version indicator pushed to the repository

Commit

Increment the Front End's version to 0.1.5

master

Jenkins Bot committed 1 minute ago

Showing 2 changed files with 3 additions and 3 deletions.

src/frontend

package-lock.json

package.json

src/frontend/package-lock.json

src/frontend/package.json

0 comments on commit c71e9a1

Write

Preview

Leave a comment

Markdown is supported Paste, drop, or click to add files

New Docker image pushed to the ECR

Amazon ECR > Private registry > Repositories > sd2139_ecr_repo_frontend

sd2139_ecr_repo_frontend

View push commands

Images (3)

Search artifacts

< 1 >

	Image tag	Artifact type	Pushed at	Size (MB)	Image URI	Digest
<input checked="" type="checkbox"/>	0.1.5	Image	August 17, 2024, 11:42:24 (UTC+07)	466.73	Copy URI	sha256:672475a65575d67ac8281260d41a3...
<input type="checkbox"/>	0.1.4	Image	August 17, 2024, 10:36:51 (UTC+07)	466.74	Copy URI	sha256:58f3f64989531bc97ae3e1829b0be3...
<input type="checkbox"/>	0.1.3	Image	August 17, 2024, 10:02:47 (UTC+07)	468.86	Copy URI	sha256:6899c84493a128a0b7bba6cbcbadde...

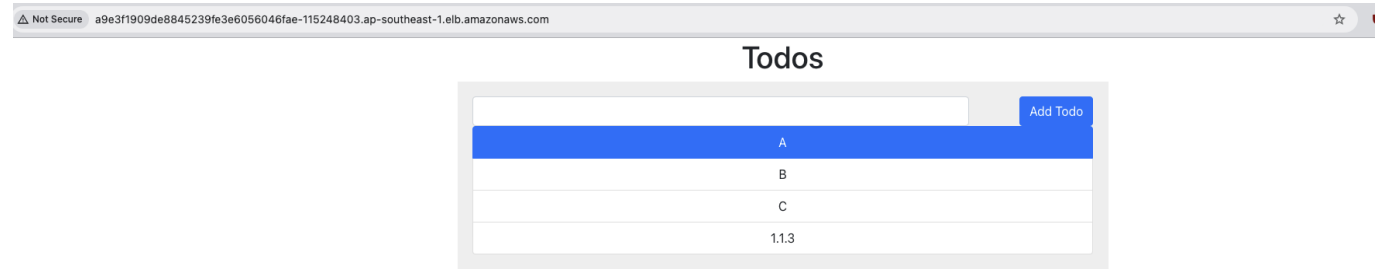
```
Login Succeeded
[Pipeline] sh
+ docker tag sd2139_ecr_repo_frontend:0.1.5 992382727045.dkr.ecr.ap-southeast-1.amazonaws.com/sd2139_ecr_repo_frontend:0.1.5
[Pipeline] sh
+ docker push 992382727045.dkr.ecr.ap-southeast-1.amazonaws.com/sd2139_ecr_repo_frontend:0.1.5
The push refers to repository [992382727045.dkr.ecr.ap-southeast-1.amazonaws.com/sd2139_ecr_repo_frontend]
2cfd03ab1574: Preparing
29e303d09eee: Preparing
1b359e6eb2e4: Preparing
44cd94abcd5f: Preparing
1f9f140489cf: Preparing
659e539388fc: Preparing
13dbcad4a1a6: Preparing
bb779e5cd086: Preparing
a7fcbdac839: Preparing
ecff6742845c: Preparing
ee7e2e7202d1: Preparing
55d1b3b58b6c: Preparing
19b1230ac19d: Preparing
659e539388fc: Waiting
13dbcad4a1a6: Waiting
bb779e5cd086: Waiting
a7fcbdac839: Waiting
ecff6742845c: Waiting
ee7e2e7202d1: Waiting
55d1b3b58b6c: Waiting
19b1230ac19d: Waiting
1f9f140489cf: Pushed
44cd94abcd5f: Pushed
13dbcad4a1a6: Layer already exists
659e539388fc: Layer already exists
1b359e6eb2e4: Pushed
a7fcbdac839: Layer already exists
bb779e5cd086: Layer already exists
ecff6742845c: Layer already exists
2cfd03ab1574: Pushed
ee7e2e7202d1: Layer already exists
55d1b3b58b6c: Layer already exists
19b1230ac19d: Layer already exists
29e303d09eee: Pushed
0.1.5: digest: sha256:672475a65575d67ac8281260d41a3aa995c719e3cb6717012417e5a78863e62b size: 3051
```

Continuous Delivery

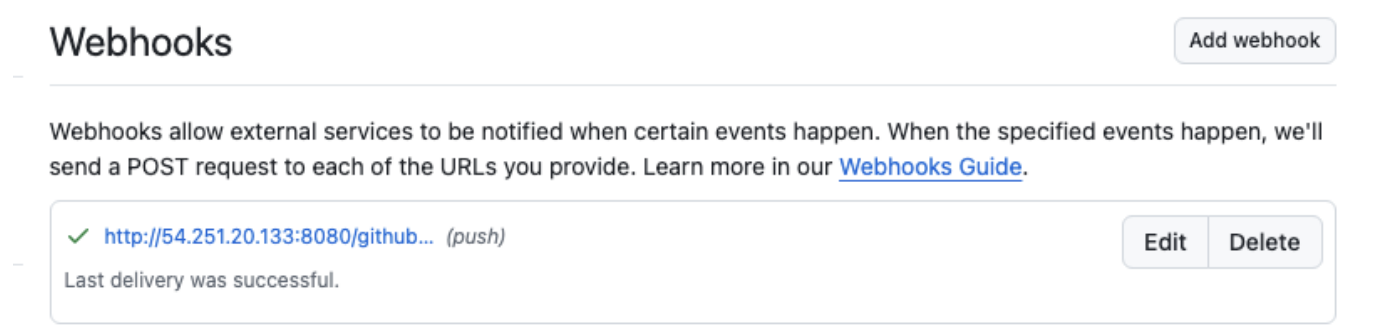
Using Jenkins

Jenkins - Githook apply the K8S deployment when code pushed to master branch

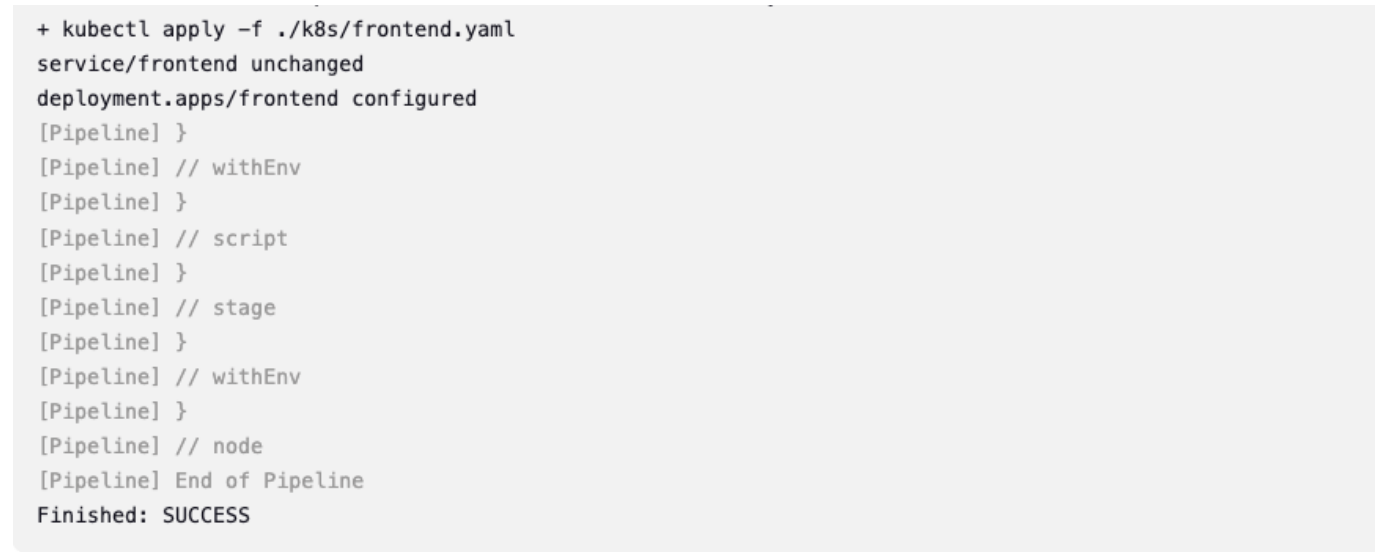
Before deployment



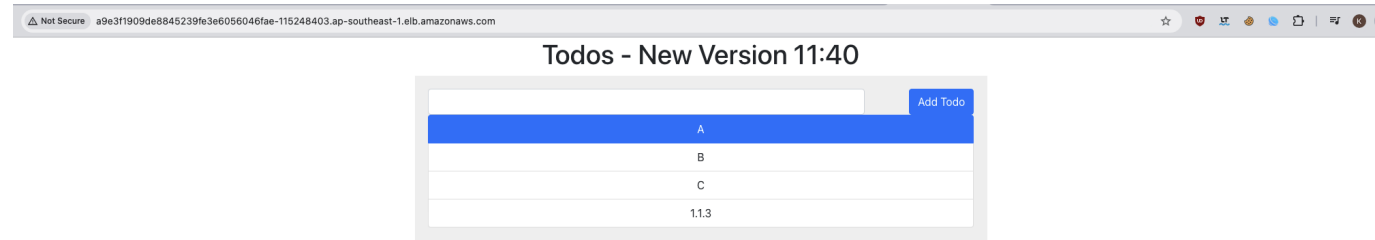
Setup Git Hook



Jenkins trigger to deploy after push to master branch



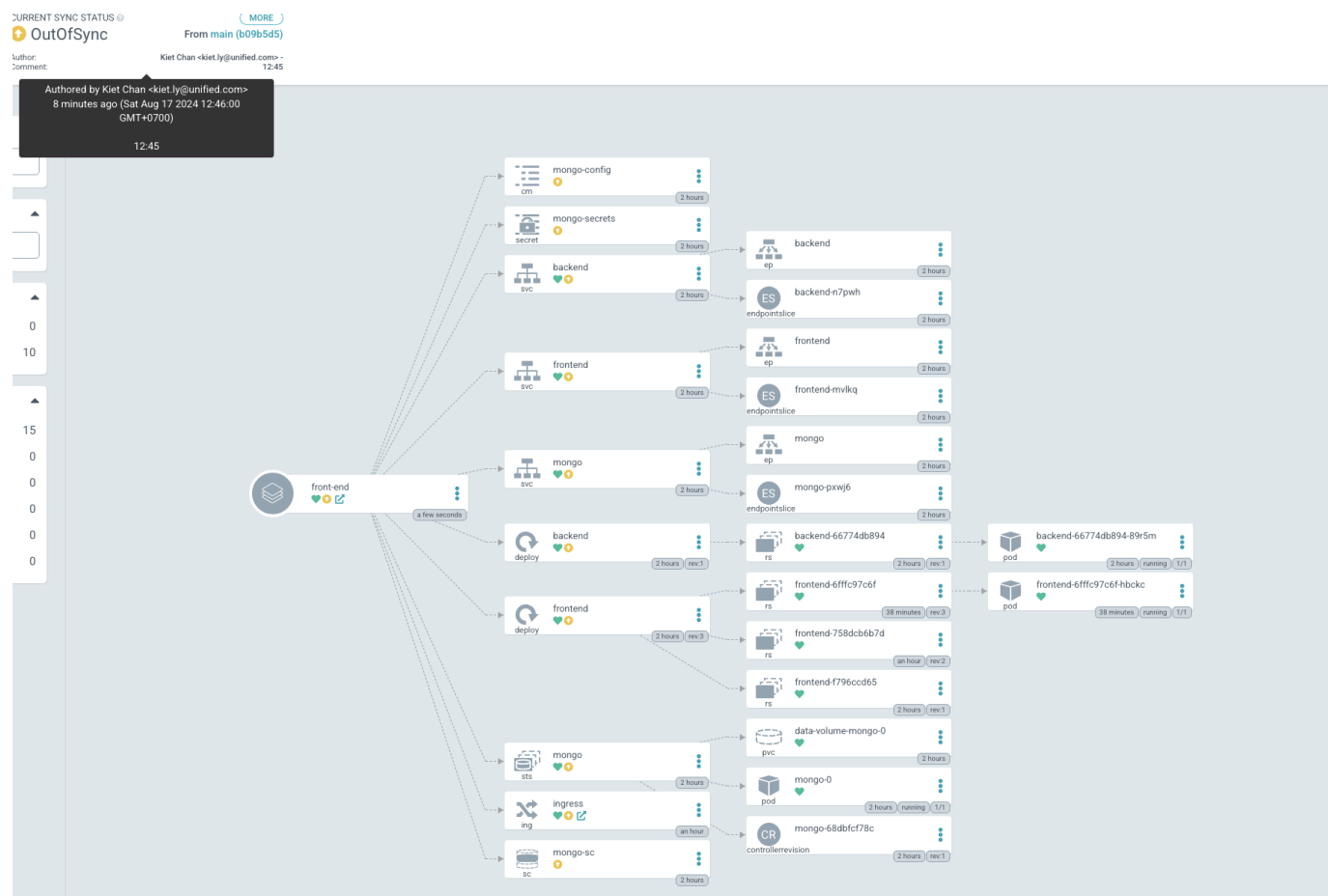
Test on UI, header is changed



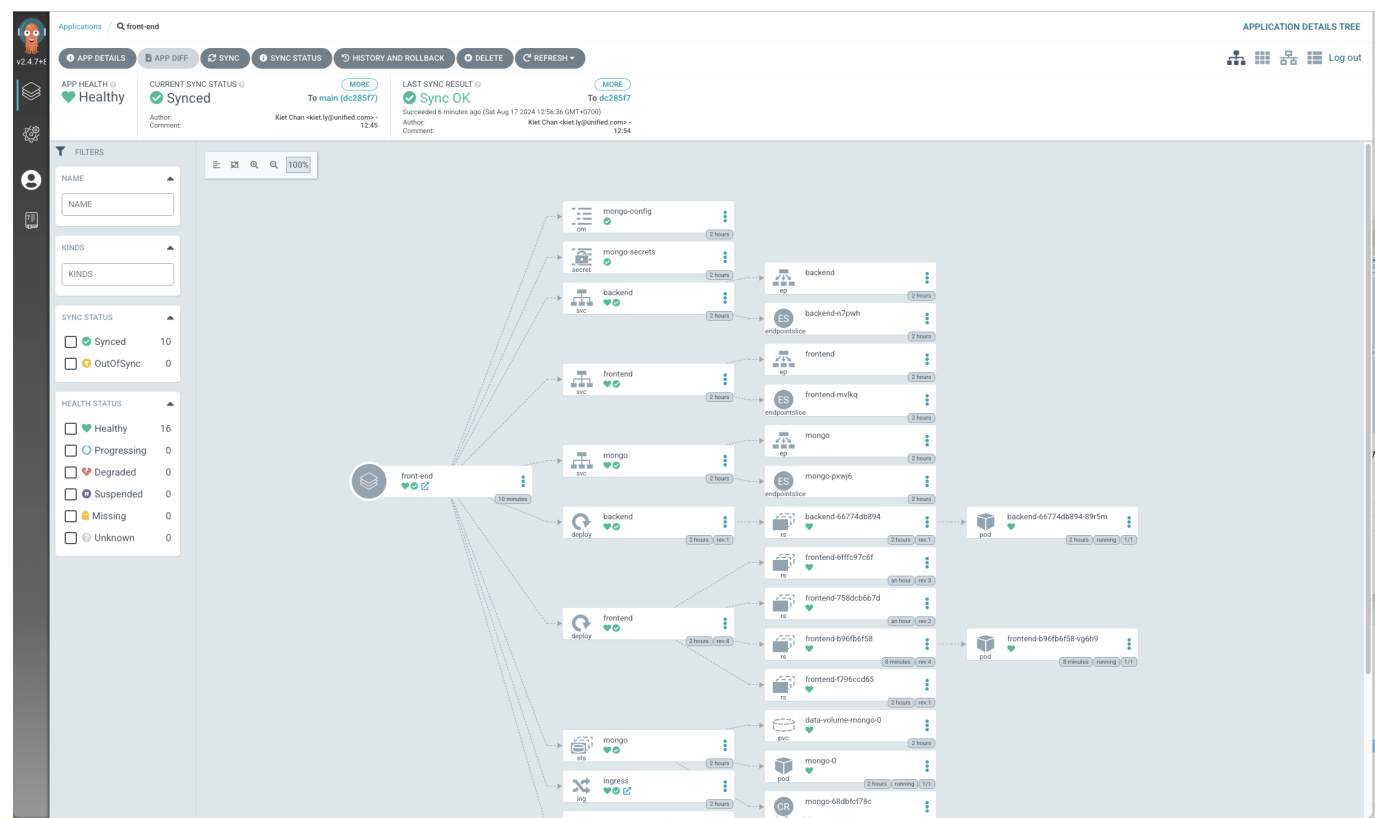
Using Argo CD

Apply the K8S when code pushed to master branch

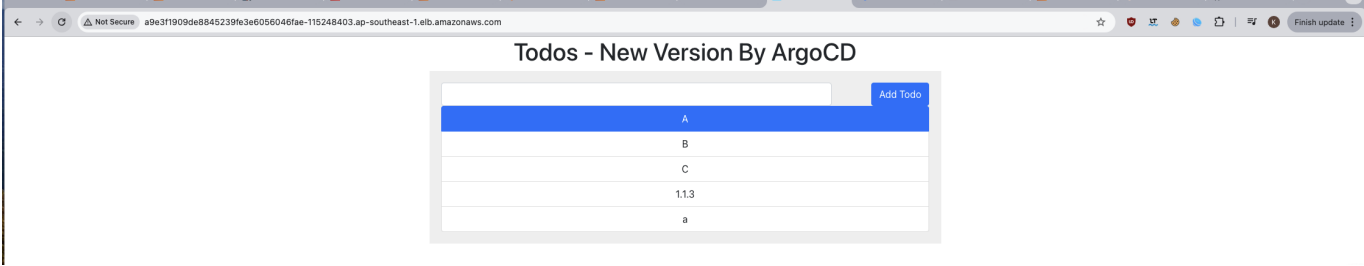
Change deployment file and push new code, now it's out of sync. Wait for deployment



Status synced again

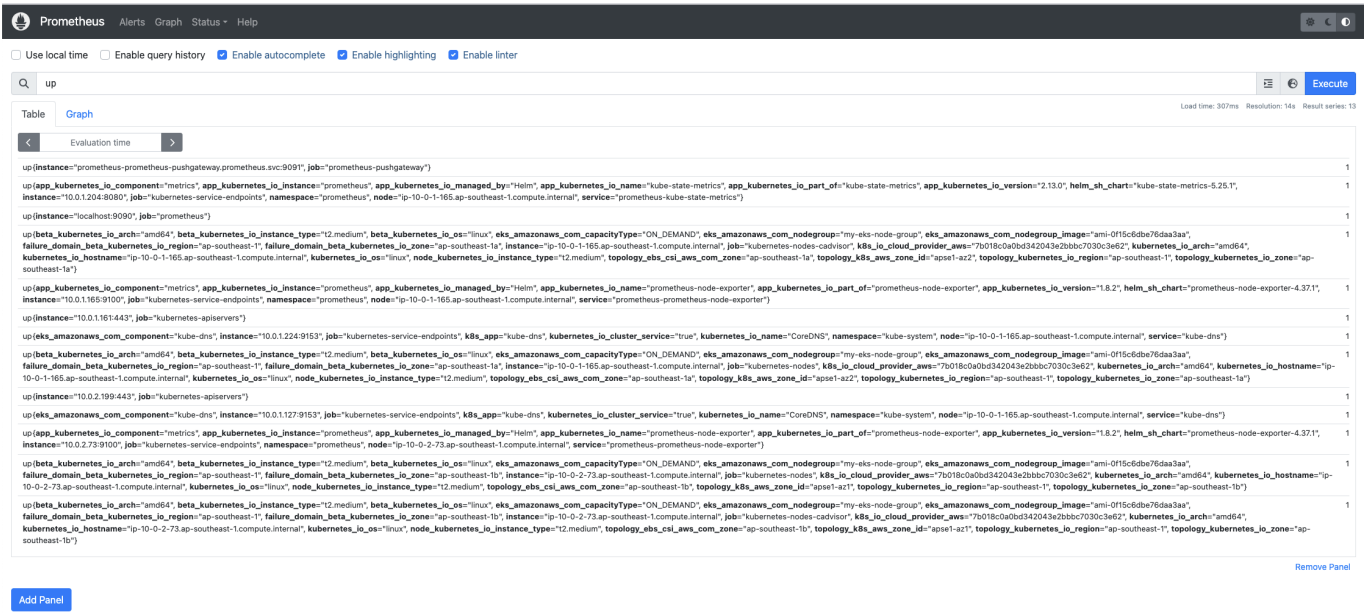


Test on UI, header is changed



Prometheus & Grafana (Using Community Helms)

Prometheus



Grafana

