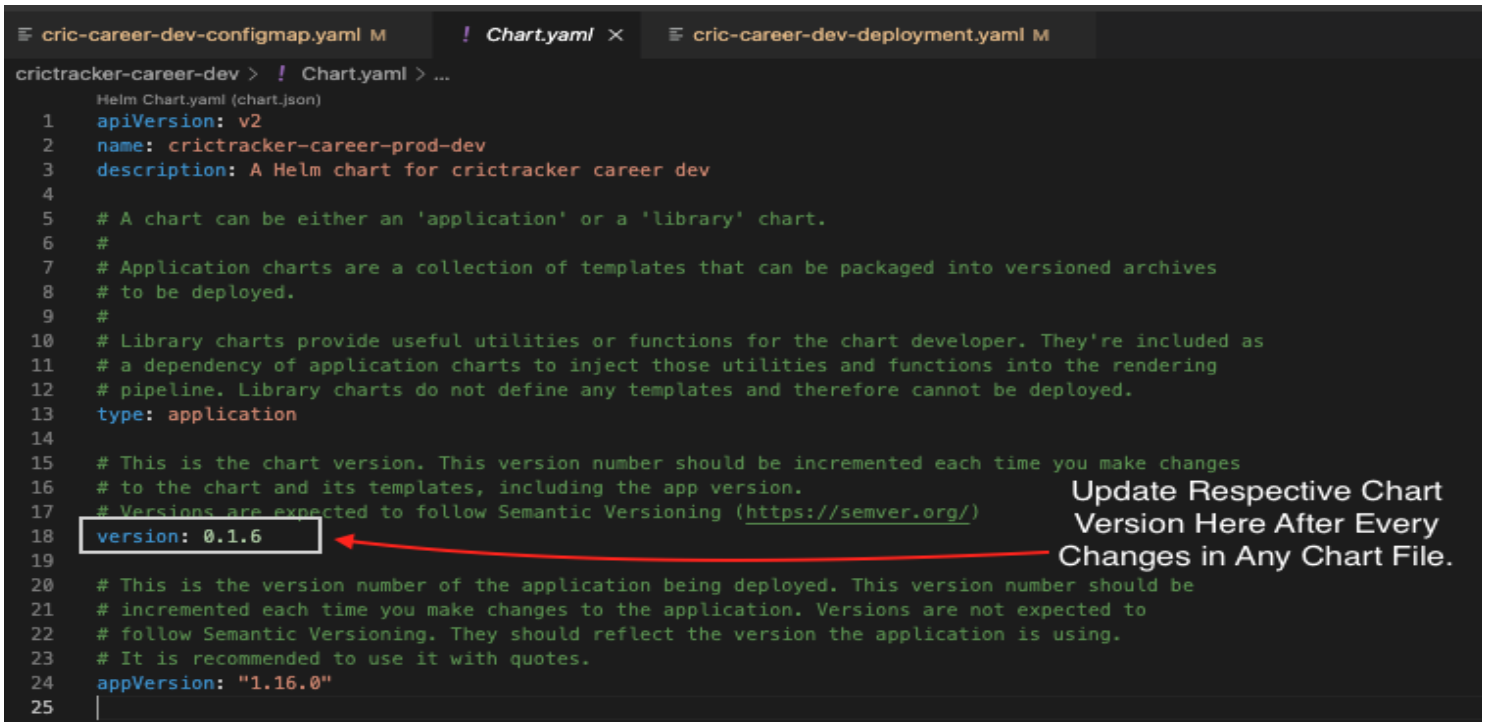
Thing you should Practice Always:

For Every Helm Chart Deployment you will See Chart.yaml File. You Should Always Update the Hem version of the Helm Chart. Which Will Help you to Identify the changes.



Here are Examples with Old and Updated values to Update in the helm chart.

Current Value	0.1.6	0.1.9	2.0.0	2.5.0
Updated Value	0.1.7	2.0.0	2.0.1	2.5.1

How To Add New ENV in Deployment:

- ❖ **NOTE**: In this Doc's we are taking the **Crictracker Project.**

First take Clone of Helm Chart Repo or If you clone already than please take git pull using following cmd

- git clone -b main https://github.com/yudiz-solutions/crictracker-helmcharts-prod.git

```
~/Downloads/cric-demo  git clone -b main https://github.com/yudiz-solutions/crictracker-helmcharts-prod.git
Cloning into 'crictracker-helmcharts-prod'...
remote: Enumerating objects: 2719, done.
remote: Counting objects: 100% (2719/2719), done.
remote: Compressing objects: 100% (925/925), done.
remote: Total 2719 (delta 1812), reused 2652 (delta 1769), pack-reused 0
Receiving objects: 100% (2719/2719), 492.17 KiB | 1.08 MiB/s, done.
Resolving deltas: 100% (1812/1812), done.
~/Downloads/cric-demo
```

OR

- git pull

After Taking Git Clone, Now Let goto repo and type below cmd

- Ls

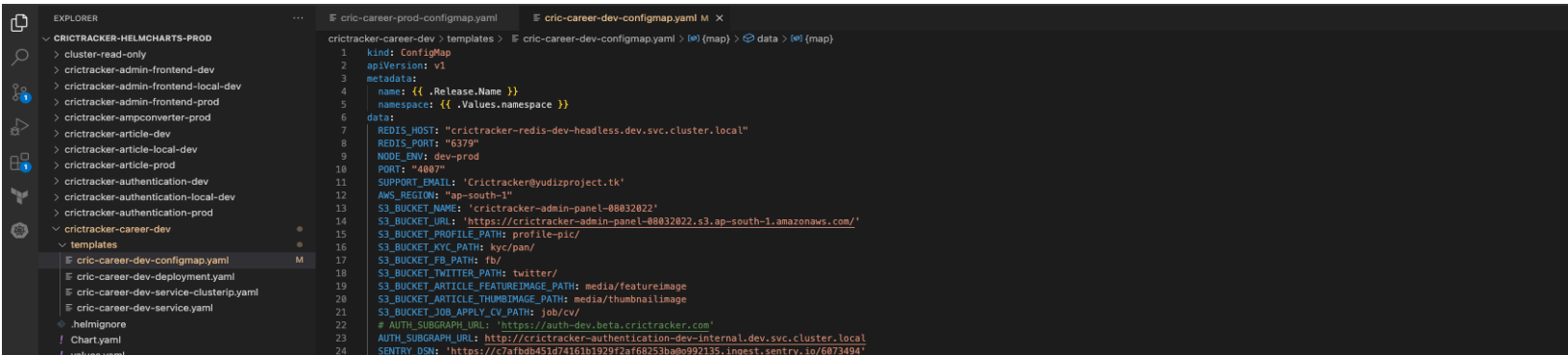
```
~/Downloads/cric-demo/crictracker-helmcharts-prod | main  ls
Jenkinsfile                                 crictracker-career-prod                        crictracker-image-website-dev
cluster-read-only                           crictracker-crons-dev                          crictracker-image-website-local-dev
cric-article-local-dev-pm2metricsvc.yaml    crictracker-crons-local-dev                    crictracker-image-website-prod
crictracker-admin-frontend-dev              crictracker-crons-local-dev-deployment         crictracker-ingress-dev
crictracker-admin-frontend-local-dev        crictracker-crons-prod                         crictracker-ingress-local-dev
crictracker-admin-frontend-prod             crictracker-crons-prod-deployment              crictracker-ingress-monitoring
crictracker-ampconverter-prod               crictracker-gateway-dev                        crictracker-ingress-prod
crictracker-article-dev                     crictracker-gateway-local-dev                  crictracker-jenkins
crictracker-article-local-dev               crictracker-gateway-prod                       crictracker-matchmanagement-dev
crictracker-article-prod                    crictracker-global-widget-dev                  crictracker-matchmanagement-dev-crons
crictracker-authentication-dev              crictracker-global-widget-local-dev            crictracker-matchmanagement-local-dev
crictracker-authentication-local-dev        crictracker-global-widget-prod                 crictracker-matchmanagement-local-dev-crons
crictracker-authentication-prod             crictracker-help-dev                           crictracker-matchmanagement-prod
crictracker-career-dev                      crictracker-help-local-dev                     crictracker-matchmanagement-prod-crons
crictracker-career-local-dev                crictracker-help-prod                          crictracker-migrations-dev
```

Now You are in the Directory where all your helm charts are Stored.

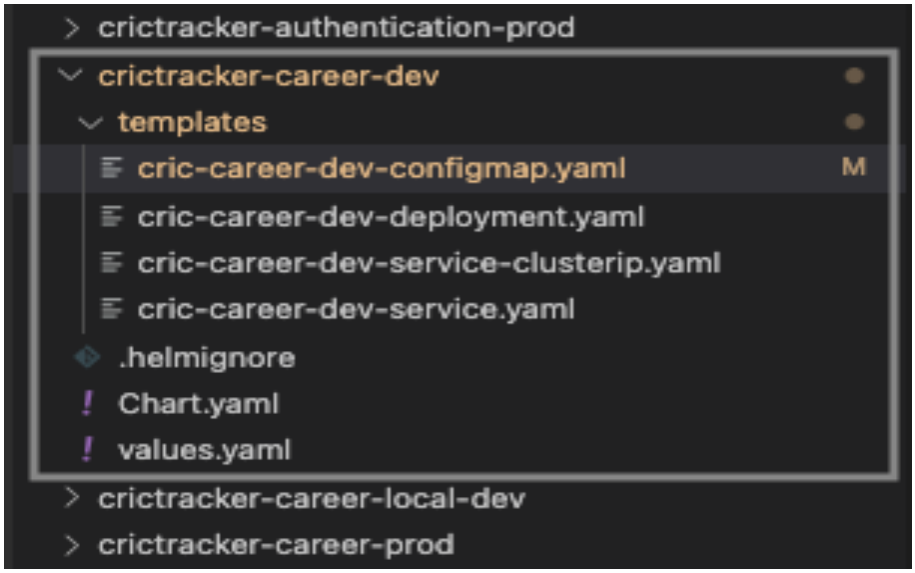
Note Like you have to Add ENV in “crictracker-career-dev”

ENV to Add:
MAINTAINER: "devops_team"

To do that so first search for “cric-career-dev-configmap.yaml” directory, If you are using VS-code You will see like:



You will find “cric-career-dev-configmap.yaml” file under templates



Open that file and **ADD** ENV at bottom of the file as shown below.

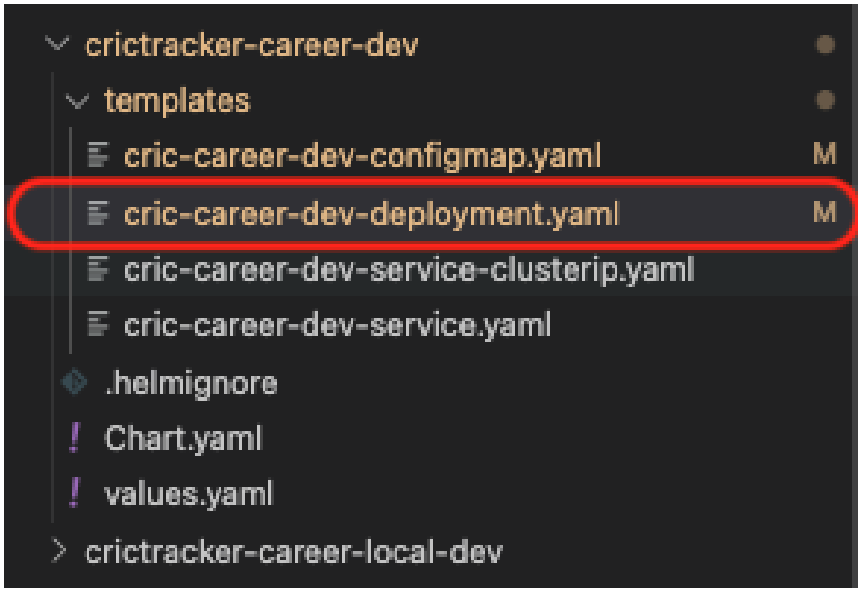
cric-career-dev-configmap.yaml M

crictracker-career-dev > templates > cric-career-dev-configmap.yaml > {map} > data > {map}

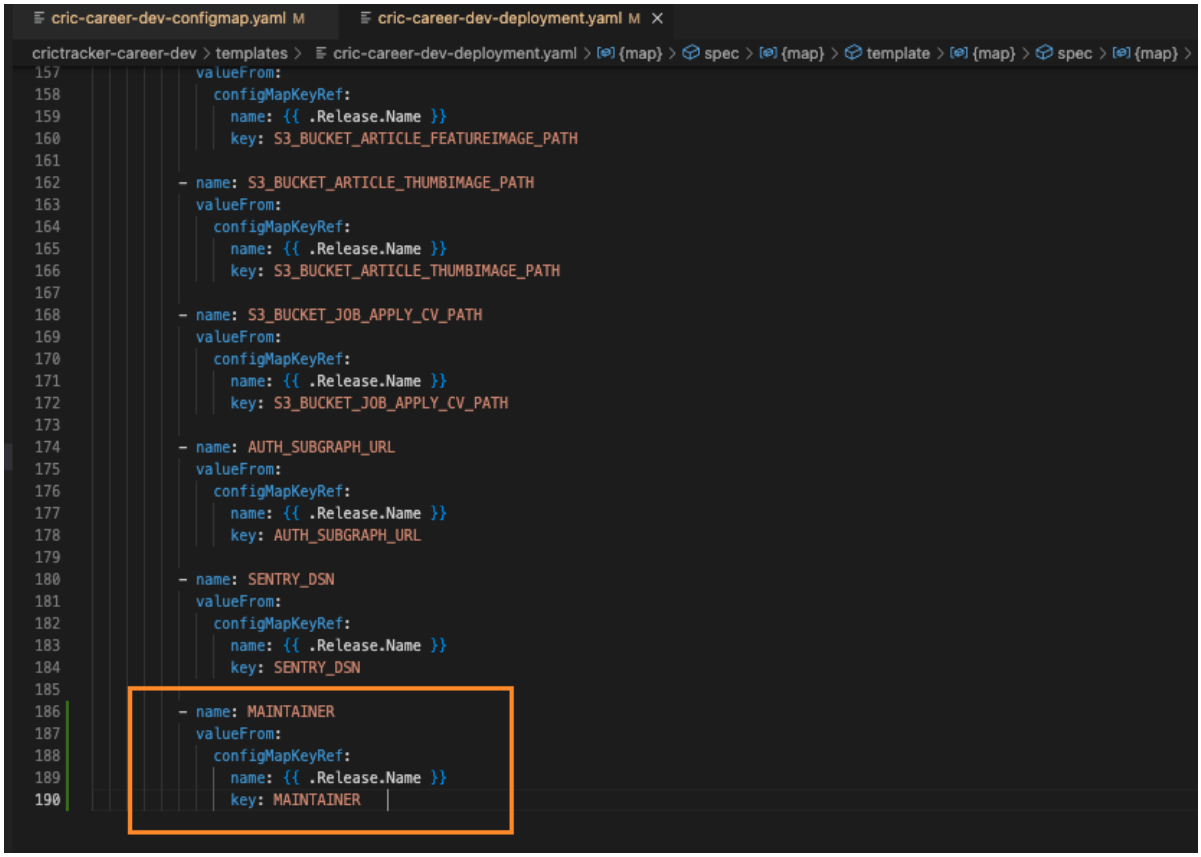
```yaml
kind: ConfigMap
apiVersion: v1
metadata:
  name: {{ .Release.Name }}
  namespace: {{ .Values.namespace }}
data:
  REDIS_HOST: "crictracker-redis-dev-headless.dev.svc.cluster.local"
  REDIS_PORT: "6379"
  NODE_ENV: dev-prod
  PORT: "4007"
  SUPPORT_EMAIL: 'Crictracker@yudizproject.tk'
  AWS_REGION: "ap-south-1"
  S3_BUCKET_NAME: 'crictracker-admin-panel-08032022'
  S3_BUCKET_URL: 'https://crictracker-admin-panel-08032022.s3.ap-south-1.amazonaws.com/'
  S3_BUCKET_PROFILE_PATH: profile-pic/
  S3_BUCKET_KYC_PATH: kyc/pan/
  S3_BUCKET_FB_PATH: fb/
  S3_BUCKET_TWITTER_PATH: twitter/
  S3_BUCKET_ARTICLE_FEATUREIMAGE_PATH: media/featureimage
  S3_BUCKET_ARTICLE_THUMBIMAGE_PATH: media/thumbnailimage
  S3_BUCKET_JOB_APPLY_CV_PATH: job/cv/
  # AUTH_SUBGRAPH_URL: 'https://auth-dev.beta.crictracker.com'
  AUTH_SUBGRAPH_URL: http://crictracker-authentication-dev-internal.dev.svc.cluster.local
  SENTRY_DSN: 'https://c7afbdb451d74161b1929f2af68253ba@o992135.ingest.sentry.io/6073494'

  MAINTAINER: "devops_team"
```

Now save that file.

Now Open Deployment file you will find “cric-career-dev-configmap.yaml” file under templates



Go to bottom of the file and added content like below



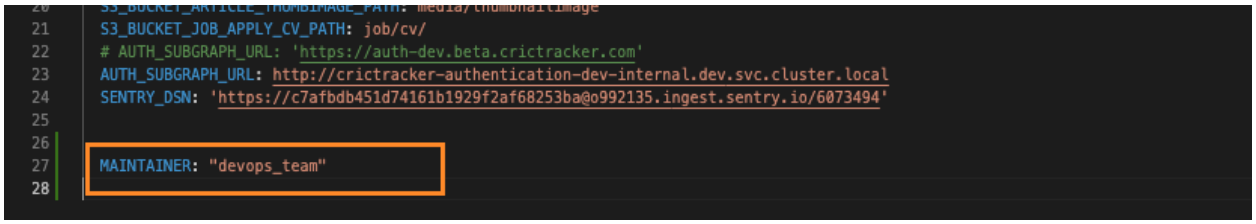
Now save the file

Now add this changes in git using following command

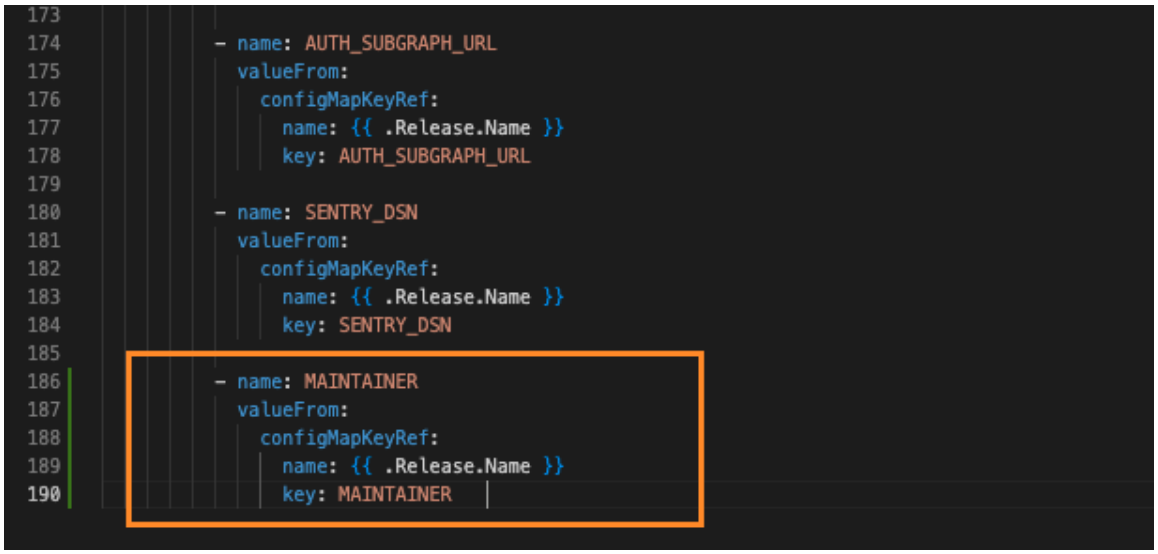
- git add crictracker-career-dev
- git commit -m “env update”
- git push

Summary

Change made in 2 file “cric-career-dev-configmap.yaml” and “cric-career-dev-deployment.yaml” in Configmap file:



In Deployment file:



Note: In the deployment file you will notice that the name and key is the same as ENV key. If you find any difficulty understanding this Doc’s you can contact Aman and Ravi.

How To Change existing ENV in Deployments:

- **NOTE**: In this Doc's we are taking the **Crictracker Project.**

First take Clone of Helm Chart Repo or If you clone already than please take git pull using following cmd

- git clone -b main https://github.com/yudiz-solutions/crictracker-helmcharts-prod.git

```
~/Downloads/cric-demo git clone -b main https://github.com/yudiz-solutions/crictracker-helmcharts-prod.git
Cloning into 'crictracker-helmcharts-prod'...
remote: Enumerating objects: 2719, done.
remote: Counting objects: 100% (2719/2719), done.
remote: Compressing objects: 100% (925/925), done.
remote: Total 2719 (delta 1812), reused 2652 (delta 1769), pack-reused 0
Receiving objects: 100% (2719/2719), 492.17 KiB | 1.08 MiB/s, done.
Resolving deltas: 100% (1812/1812), done.
~/Downloads/cric-demo
```

OR

- git pull

After Taking Git Clone, Now Let goto repo and type below cmd

- ls

```
~/Downloads/cric-demo/crictracker-helmcharts-prod | main ls
Jenkinsfile                                  crictracker-career-prod                  crictracker-image-website-dev
cluster-read-only                            crictracker-crons-dev                    crictracker-image-website-local-dev
cric-article-local-dev-pm2metricsvc.yaml     crictracker-crons-local-dev              crictracker-image-website-prod
crictracker-admin-frontend-dev               crictracker-crons-local-dev-deployment   crictracker-ingress-dev
crictracker-admin-frontend-local-dev         crictracker-crons-prod                   crictracker-ingress-local-dev
crictracker-admin-frontend-prod              crictracker-crons-prod-deployment        crictracker-ingress-monitoring
crictracker-ampconverter-prod                crictracker-gateway-dev                  crictracker-ingress-prod
crictracker-article-dev                      crictracker-gateway-local-dev            crictracker-jenkins
crictracker-article-local-dev                crictracker-gateway-prod                 crictracker-matchmanagement-dev
crictracker-article-prod                     crictracker-global-widget-dev            crictracker-matchmanagement-dev-crons
crictracker-authentication-dev               crictracker-global-widget-local-dev      crictracker-matchmanagement-local-dev
crictracker-authentication-local-dev         crictracker-global-widget-prod           crictracker-matchmanagement-local-dev-crons
crictracker-authentication-prod              crictracker-help-dev                     crictracker-matchmanagement-prod
crictracker-career-dev                       crictracker-help-local-dev               crictracker-matchmanagement-prod-crons
crictracker-career-local-dev                 crictracker-help-prod                    crictracker-migrations-dev
```

Now You are in the Directory where all your helm charts are Stored.

Note Like you have to Change ENV in “crictracker-career-dev”

```
~/Documents/demo/waf_br/kudi_helm_charts kudi-staging ❯ ls
Jenkinsfile                    kudi-ingress                   kudi-node-backend              kudi-node-stag                 kudi-redis-stag
JenkinsfileDocker              kudi-ingress-argocd            kudi-node-backend-stag         kudi-node-statics              kudi-secrets
Jenkinsfiletemp                kudi-ingress-stag              kudi-node-notifications        kudi-node-statics-stag         kudi-staging-helmfile.yaml
kudi-admin-panel               kudi-mongo-db-stag             kudi-node-notifications-stag   kudi-node-user-informations    test
kudi-admin-panel-stag          kudi-mysql-stag                kudi-node-payments             kudi-node-user-informations-stag
kudi-app                       kudi-node                      kudi-node-payments-stag        kudi-prize-distribution
kudi-app-stag                  kudi-node-admin                kudi-node-public-banners       kudi-prize-distribution-stag
kudi-crons                     kudi-node-admin-stag           kudi-node-public-banners-stag  kudi-production-helmfile.yaml
```

Here you will find all Helm charts.
Not Like you have to Change ENV in “crictracker-career-dev”

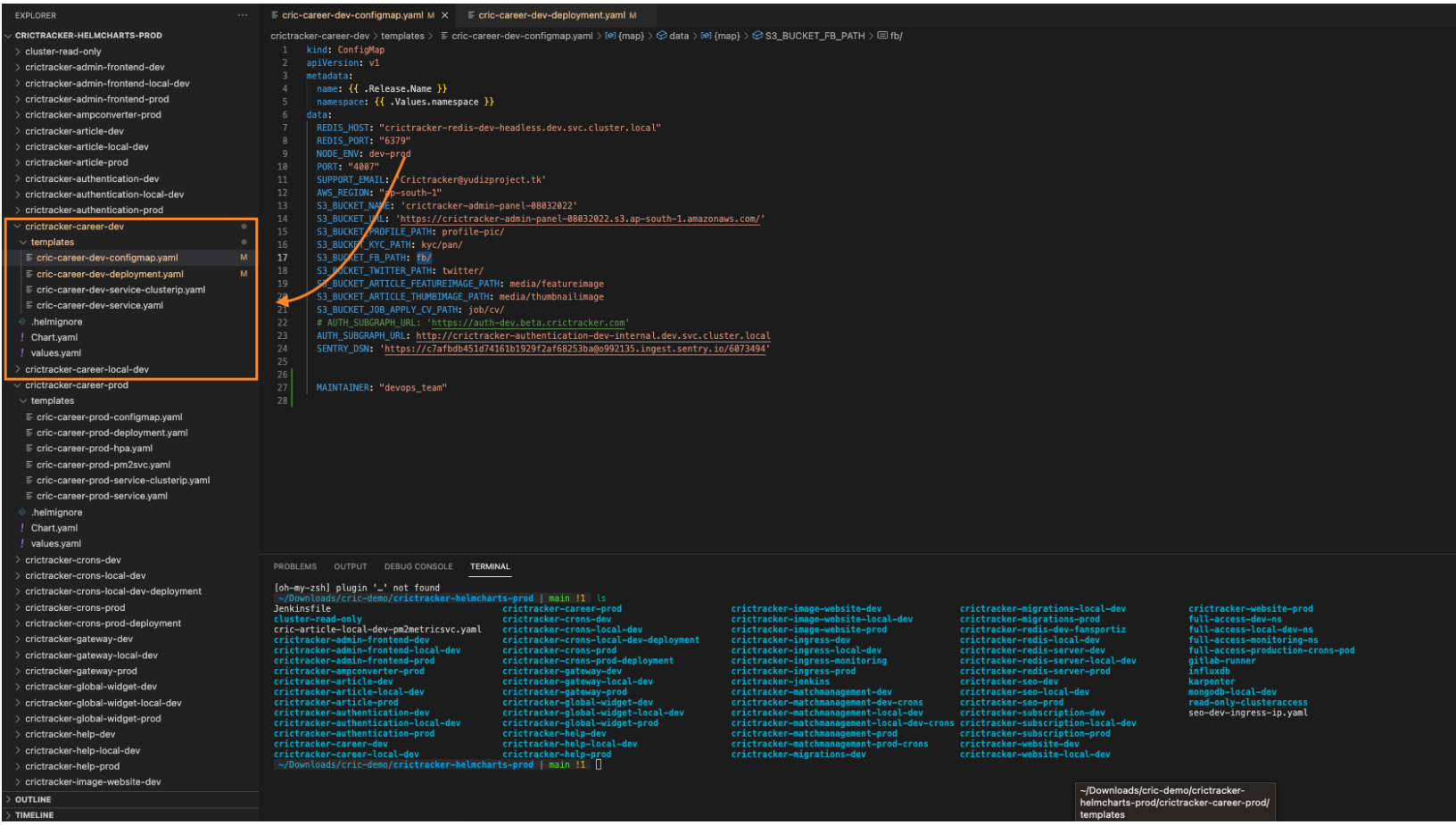
ENV to Change

S3_BUCKET_FB_PATH: fb/

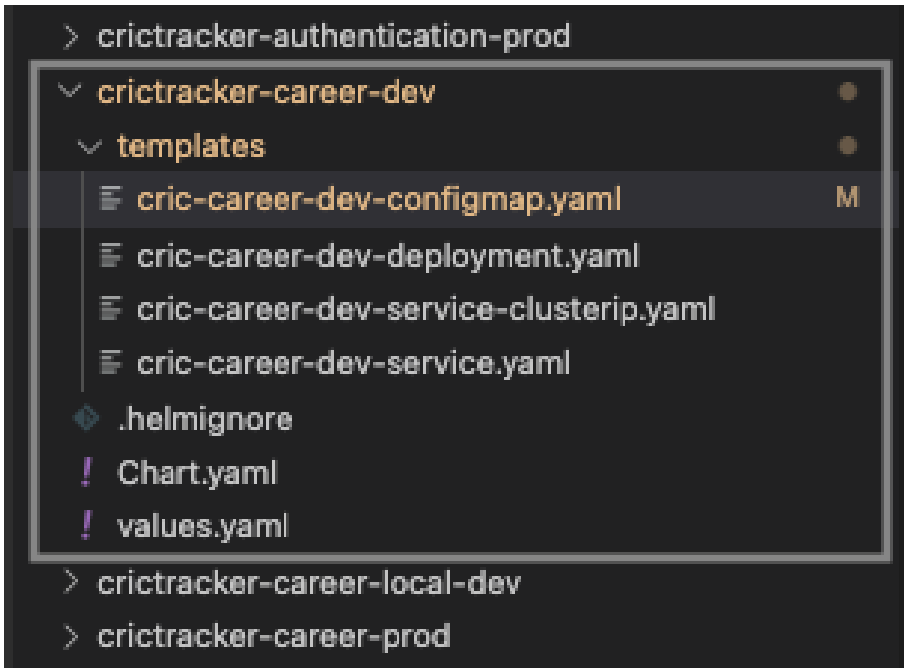
TO

S3_BUCKET_FB_PATH: facebook/

To do that so first search for “crictracker-career-dev” directory, If you are using VS-code You will see like:



You will find “cric-career-dev-configmap.yaml” file under templates



Open that file and find for “S3_BUCKET_FB_PATH” and replaced his value

```
apiVersion: v1
metadata:
  name: {{ .Release.Name }}
  namespace: {{ .Values.namespace }}
data:
  REDIS_HOST: "crictracker-redis-dev-headless.dev.svc.cluster.local"
  REDIS_PORT: "6379"
  NODE_ENV: dev-prod
  PORT: "4007"
  SUPPORT_EMAIL: 'Crictracker@yudizproject.tk'
  AWS_REGION: "ap-south-1"
  S3_BUCKET_NAME: 'crictracker-admin-panel-08032022'
  S3_BUCKET_URL: 'https://crictracker-admin-panel-08032022.s3.ap-south-1.amazonaws.com/'
  S3_BUCKET_PROFILE_PATH: profile-pic/
  S3_BUCKET_KYC_PATH: kyc/pan/
  S3_BUCKET_FB_PATH: fb/
  S3_BUCKET_TWITTER_PATH: twitter/
  S3_BUCKET_ARTICLE_FEATUREIMAGE_PATH: media/featureimage
  S3_BUCKET_ARTICLE_THUMBIMAGE_PATH: media/thumbnailimage
  S3_BUCKET_JOB_APPLY_CV_PATH: job/cv/
  # AUTH_SUBGRAPH_URL: 'https://auth-dev.beta.crictracker.com'
  AUTH_SUBGRAPH_URL: http://crictracker-authentication-dev-internal.dev.svc.cluster.local
  SENTRY_DSN: 'https://c7afbdb451d74161b1929f2af68253ba@o992135.ingest.sentry.io/6073494'


  MAINTAINER: "devops_team"

```

Edit Value of S3_BUCKET_FB_PATH Here with New Values.

Now save the file.

Now add this changes in git using following command

- git add crictracker-career-dev
- git commit -m “env update”
- git push

How Kubernetes will Sense the Additions/Changes:

After Your Push to the github Repo, there is One CI/CD Running With Jenkins which Will push the helm package to the regarded package registry.

So You must check that New Package is Updated in the package registry. And Then You should Upgrade the helm chart with the New version of the Helm chart.