

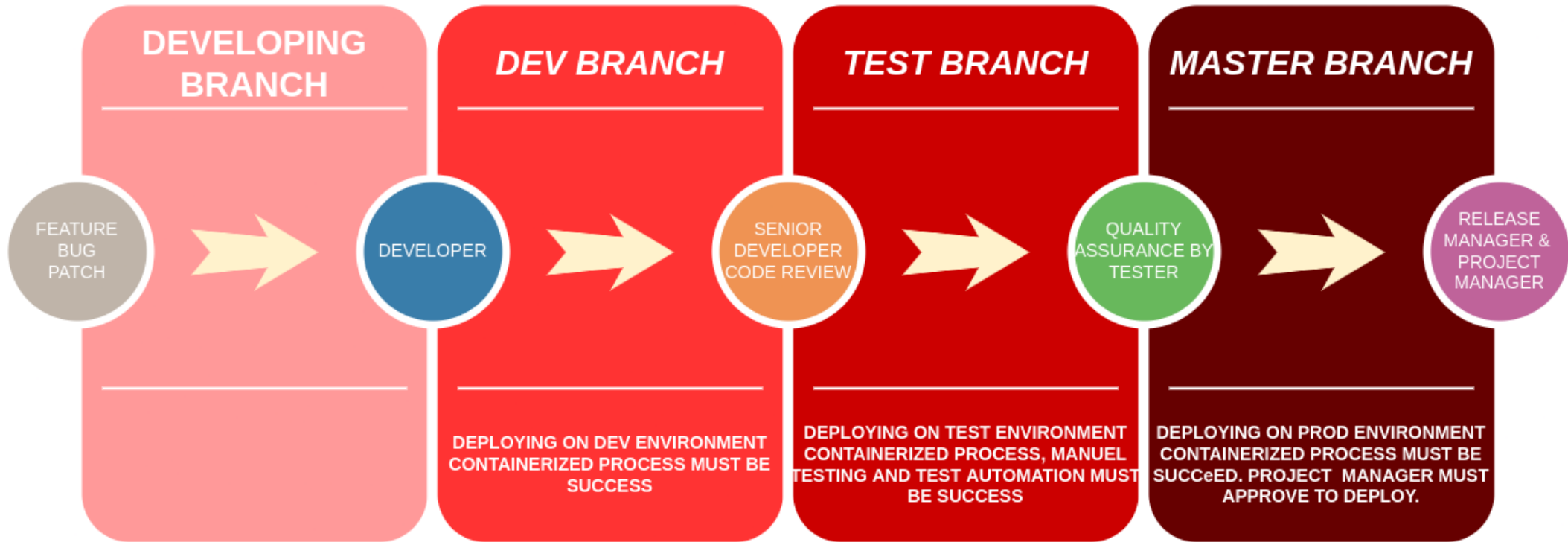
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# Assignment-1:

# BRANCH POLICIES



# ENVIRONMENTS

## RELEASE & DEPLOYMENT PROCESS

DEV  
ENVIRONMENT

TEST&STAGING  
ENVIRONMENT

MASTER/PROD  
ENVIRONMENT

### CONTAINERIZED ENVIRONMENTS

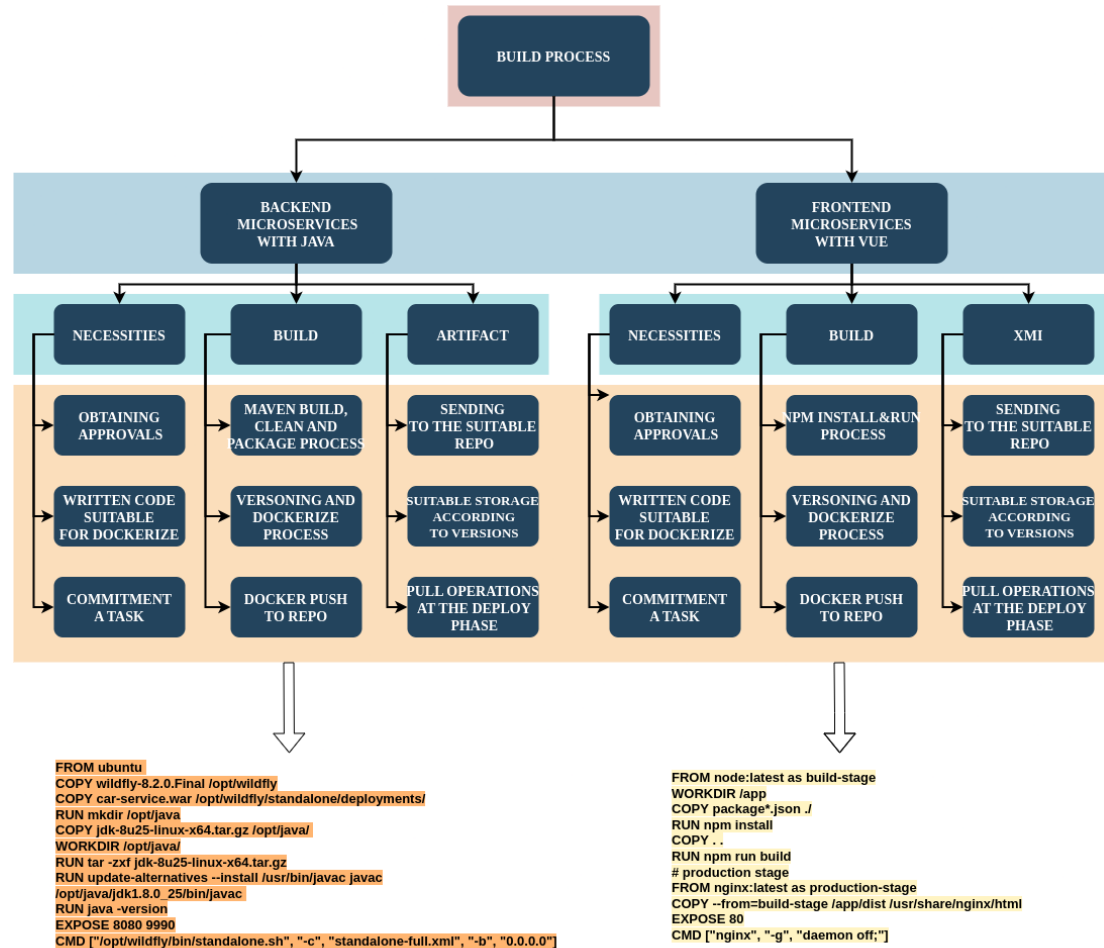
CI-CD WITH JENKINS

IF IT IS KUBERNETES  
ENVIRONMENT, HELM IS USEFUL

WITH DOCKER CLUSTER  
TERRAFORM SHOULD BE USEFUL

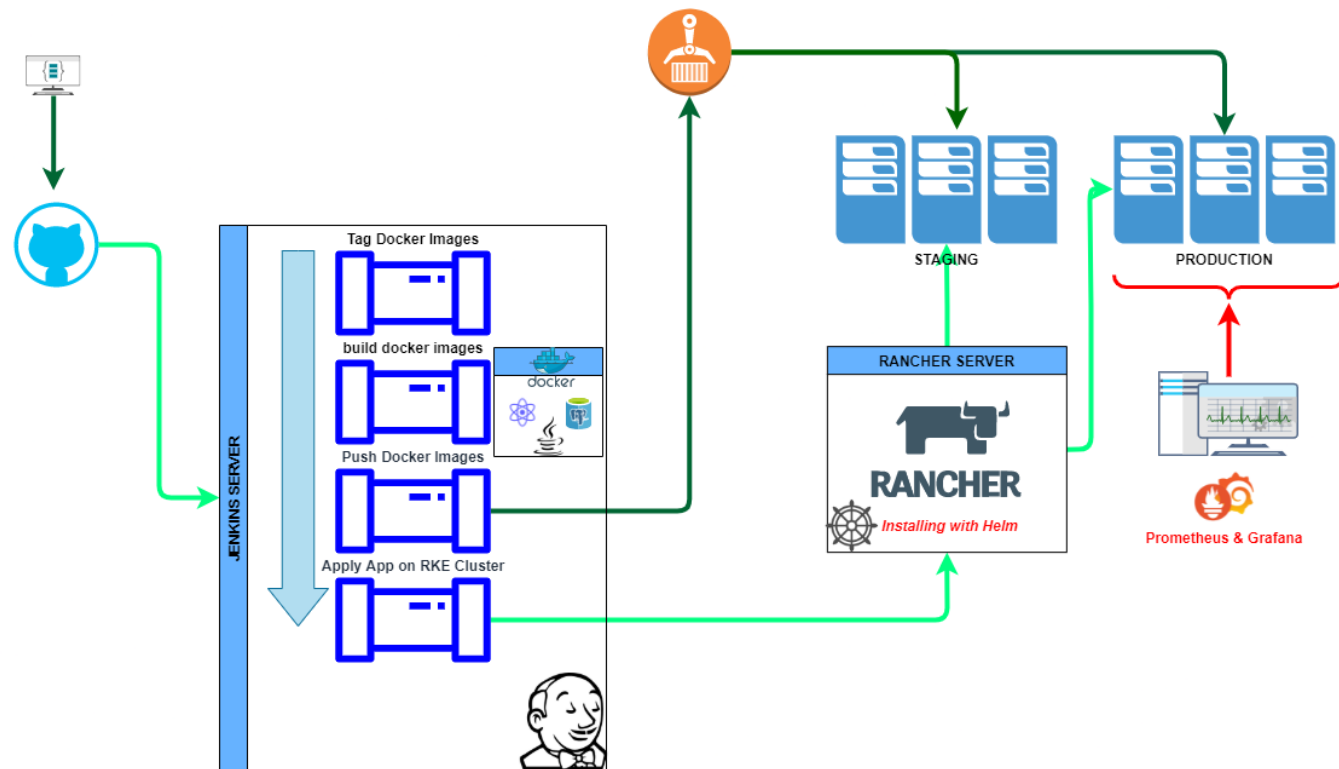
HELM HAS ROLLBACK OPPORTUNITY.  
THIS PROVIDES US, RELEASE CAN CANCEL  
PREVIOUS ENVIRONMENT CAN BE ACTIVE

# BUILD PROCESS

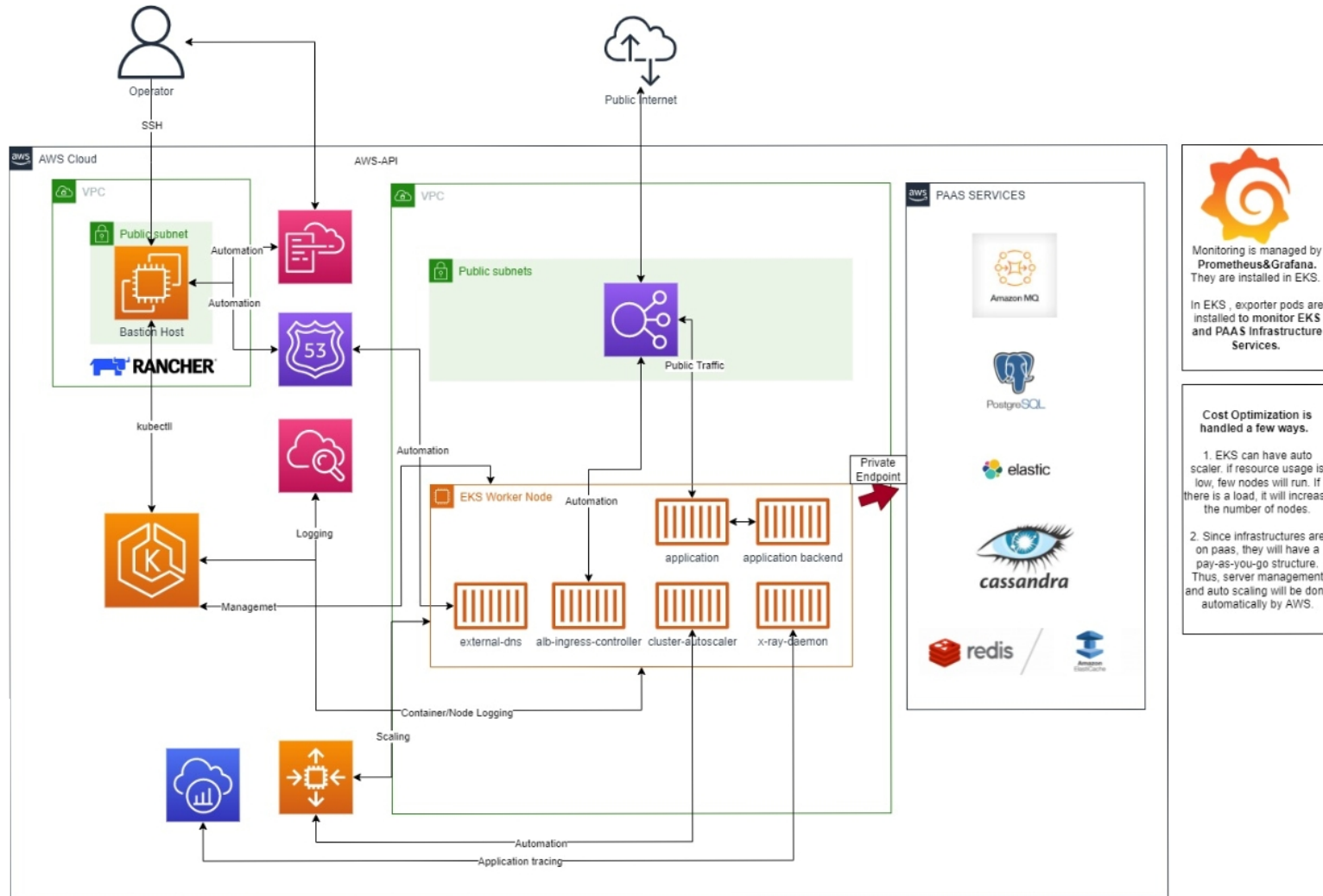




CI is triggered by webhook or an other trigger.



I think, the architecture on this table is scalable, powerful, responsive to needs and persistent.



# Assignment-2:

# Create two repositories

```
html1 > <> index.html > ...
1 <!DOCTYPE html>
2 <html lang='en'>
3
4 <head>
5   <meta charset='UTF-8'>
6   <title>Docker Deployment</title>
7
8   <link rel="stylesheet" href="styles.css">
9 </head>
10
11 <body>
12   <div class="container">
13     <h1>Hello World</h1>
14   </div>
15 </body>
16
17 </html>
```

```
html2 > <> index.html > ...
1 <!DOCTYPE html>
2 <html lang='en'>
3
4 <head>
5   <meta charset='UTF-8'>
6   <title>Docker Static HTML Deployment</title>
7
8   <link rel="stylesheet" href="styles.css">
9 </head>
10
11 <body>
12   <div class="container">
13     <h1>Bye World</h1>
14   </div>
15 </body>
16
17 </html>
```

# Dockerize this projects



html1 > Dockerfile > ...

```
1 FROM nginx:alpine
2 COPY . /usr/share/nginx/html
3
```

html2 > Dockerfile > FROM

```
1 FROM nginx:alpine
2 COPY . /usr/share/nginx/html
3
```

<https://github.com/SerhatDuzen1/helloworld>

<https://github.com/SerhatDuzen1/byeworld>

# Docker Swarm Creation

- <https://github.com/SerhatDuzen1/30april/blob/main/docker-swarm-infrastructure-cfn-template.yml>

# Docker Compose

<https://github.com/SerhatDuzen1/30april/blob/main/init-letsencrypt.sh>

<https://github.com/SerhatDuzen1/30april/blob/main/docker-compose.yml>