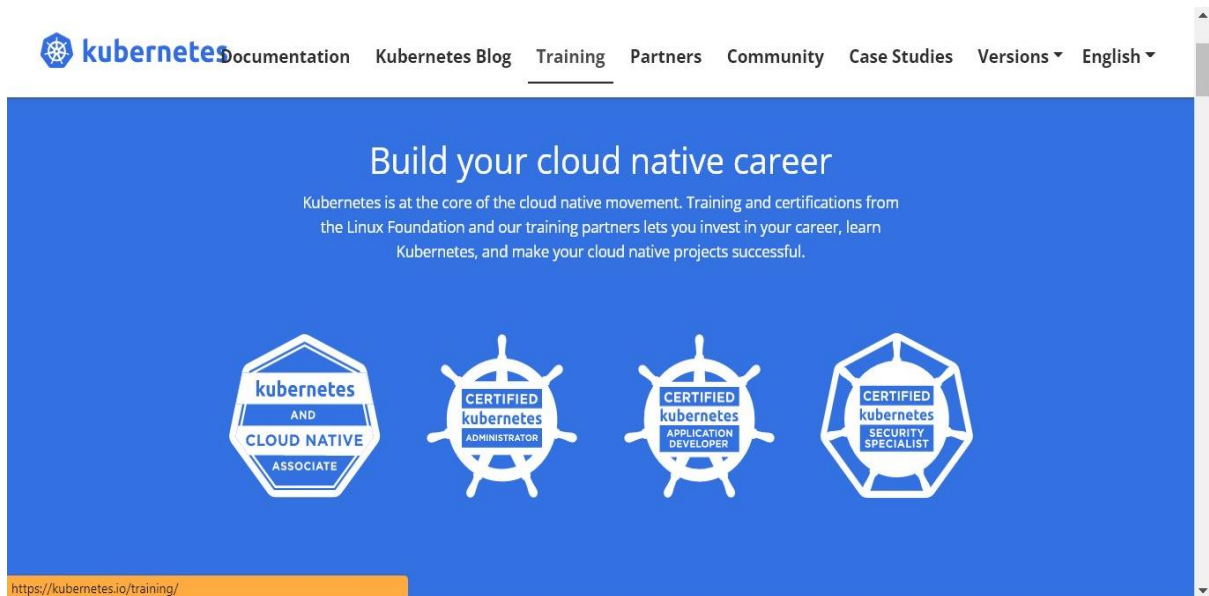
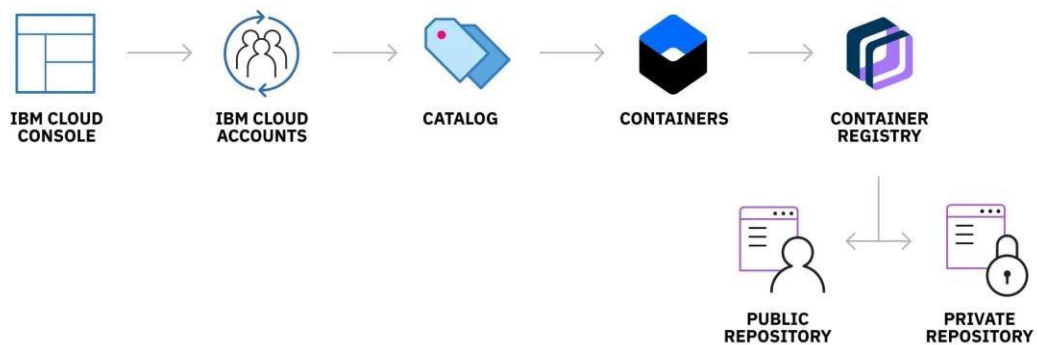


DEPLOY IN KUBERNETES CLUSTER :

Date	19 NOVEMBER 2022
Team ID	PNT2022TMID38243
Project Name	Personal Expense Tracker Application




The screenshot shows the top navigation bar of the Kubernetes website with links: Documentation, Kubernetes Blog, Training (underlined), Partners, Community, Case Studies, Versions, and English. Below the navigation bar is a blue banner with the heading "Build your cloud native career". The text below the heading reads: "Kubernetes is at the core of the cloud native movement. Training and certifications from the Linux Foundation and our training partners lets you invest in your career, learn Kubernetes, and make your cloud native projects successful." Below the text are four certification logos: "kubernetes AND CLOUD NATIVE ASSOCIATE", "CERTIFIED kubernetes ADMINISTRATOR", "CERTIFIED kubernetes APPLICATION DEVELOPER", and "CERTIFIED kubernetes SECURITY SPECIALIST". At the bottom left of the banner, the URL "https://kubernetes.io/training/" is displayed.



To use Cloud Shell:

- [Download Kubernetes](#)
- Download and [install tools](#) including `kubectl`
- Select a [container runtime](#) for your new cluster
- Learn about [best practices](#) for cluster setup

DEPLOY IN KUBERNETES CLUSTER :

1. Go to the [Google Cloud console](#).
2. Click the **Activate Cloud Shell**  button at the top of the Google Cloud console window.
3. A Cloud Shell session opens inside a new frame at the bottom of the Google Cloud console and displays a command-line prompt.



1. `gcloud components install kubectl`
2. `export PROJECT_ID=PROJECT_ID`
3. `echo $PROJECT_ID`
4. `gcloud config set project $PROJECT_ID`

OUTPUT

Updated property [core/project].

```
gcloud artifacts repositories create hello-repo \
--repository-format=docker \
--location=REGION \
--description="Docker repository"
```

1. gcloud artifacts locations list
2. Download the hello-app source code and Dockerfile by running the following commands:
3. `git clone https://github.com/GoogleCloudPlatform/kubernetes-engine-samples cd kubernetes-engine-samples/hello-app`
4. `docker build -t REGION-docker.pkg.dev/${PROJECT_ID}/hello-repo/hello-app:v1 .`
5. docker images

OUTPUT

REPOSITORY	TAG	IMAGE ID
us-west1-docker.pkg.dev/my-project/hello-repo/hello-app	v1	25cfadb1bf28