CLOUD COMPUTING LAB

CAT-2

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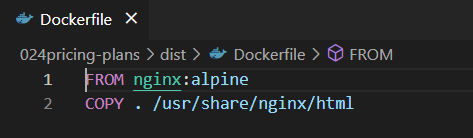
**Problem statement :**

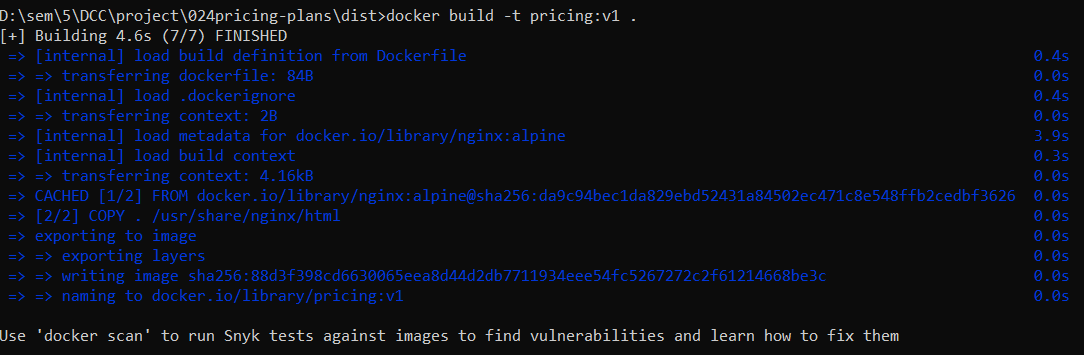
Our client had built an online platform for creating projects in a team. He needs to design a subscription page for the website .Subscription is basically to earn from the users who use the site.

Solution:

We have done a web page with three plans for the users to select from.The plans start with a free plan ($0) to $89 /month plans. The client can able to earn from this work for every user who subscribes.

**Dockerfile**



**Building Docker image:**

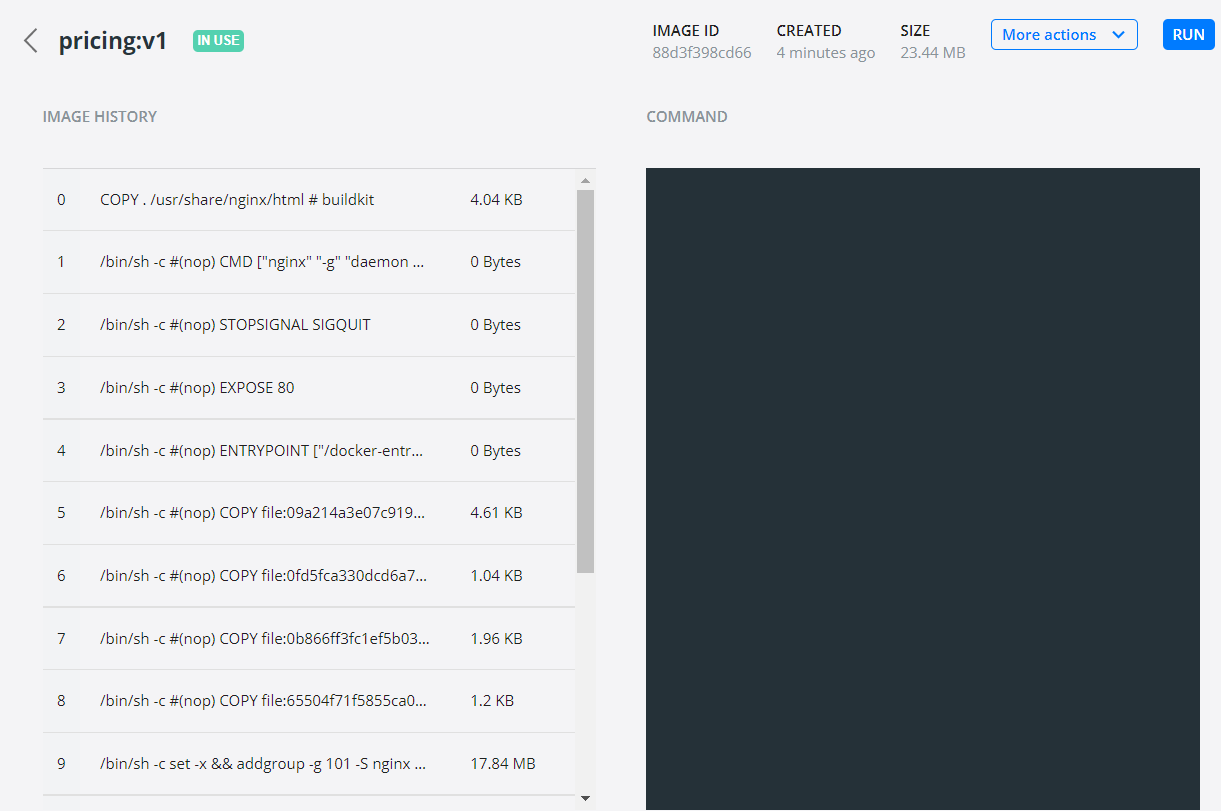
**Running image:**



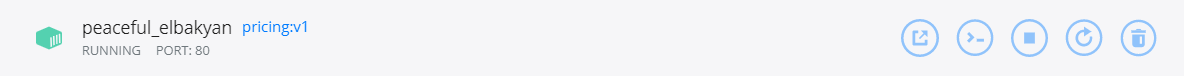
**Image caching:**



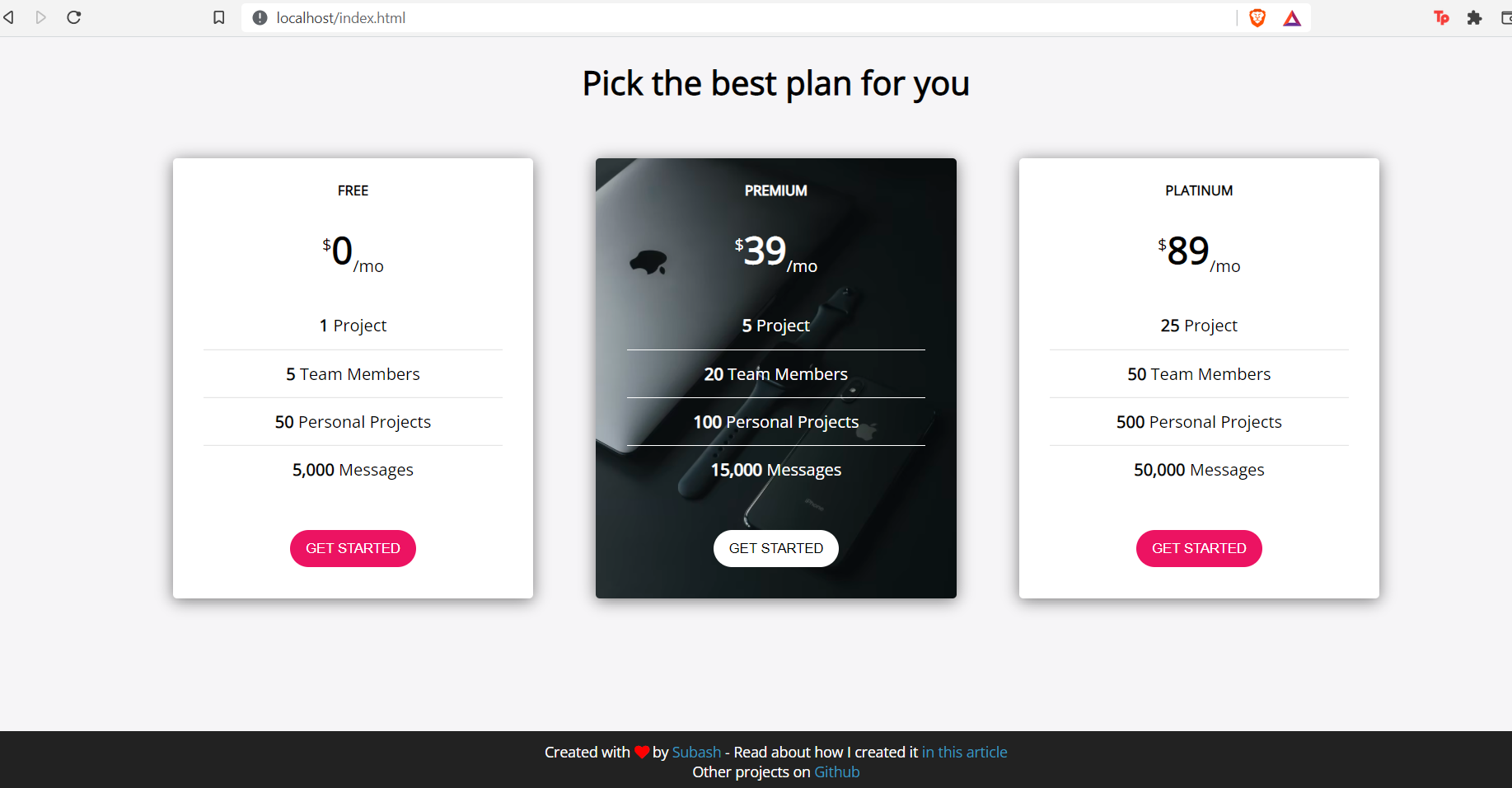
Layer caching:



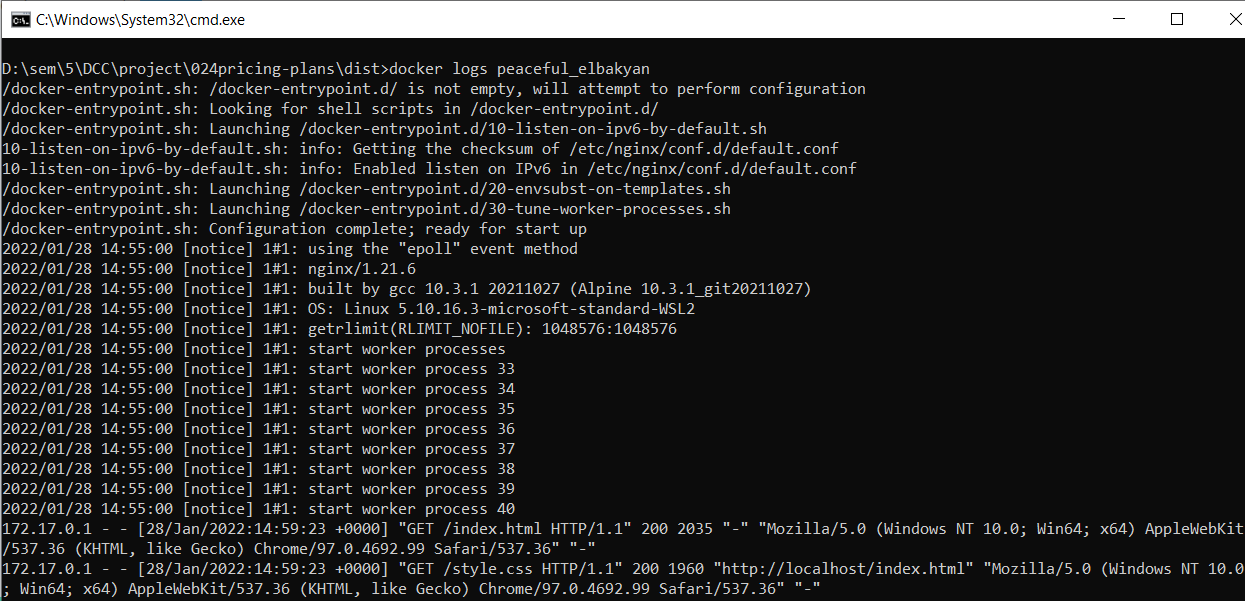
**Container:**



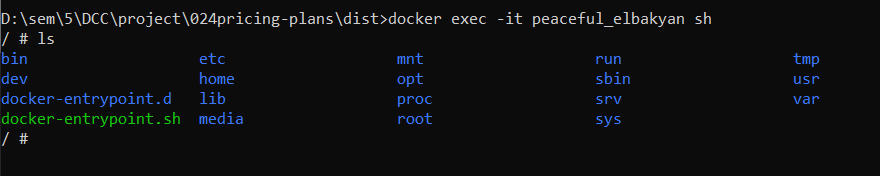
**Container Service exposure:**



**Docker logs:**

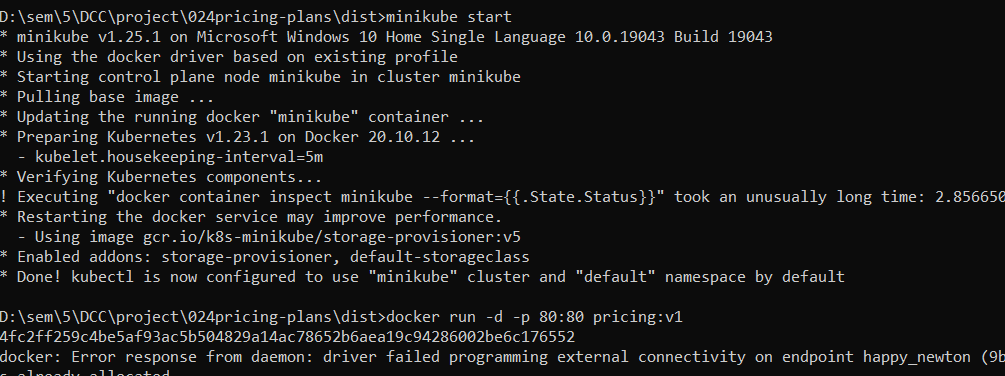


**Executing into the container:**

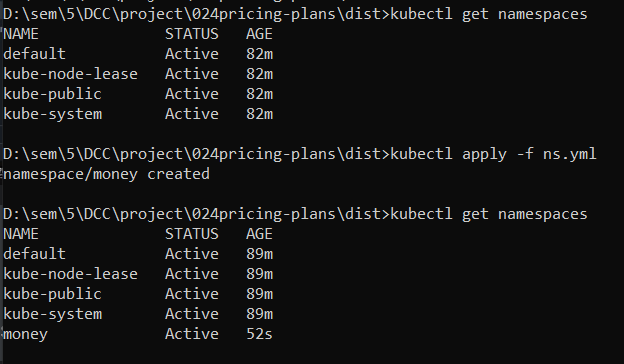


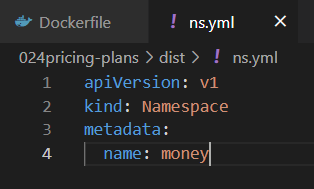
**Kubernetes:**

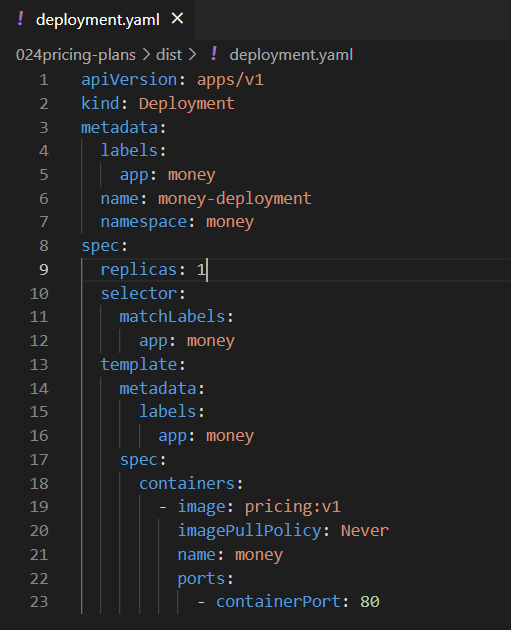
Starting minikube:

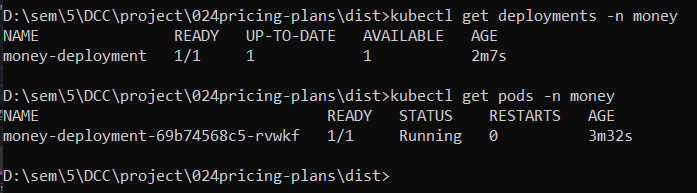


**Creating namespace:**

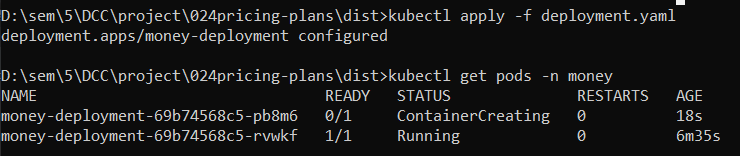




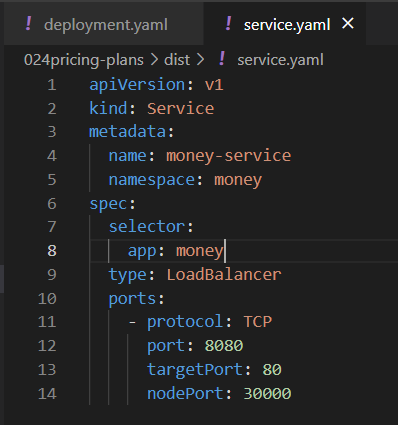
**Creating pod:**

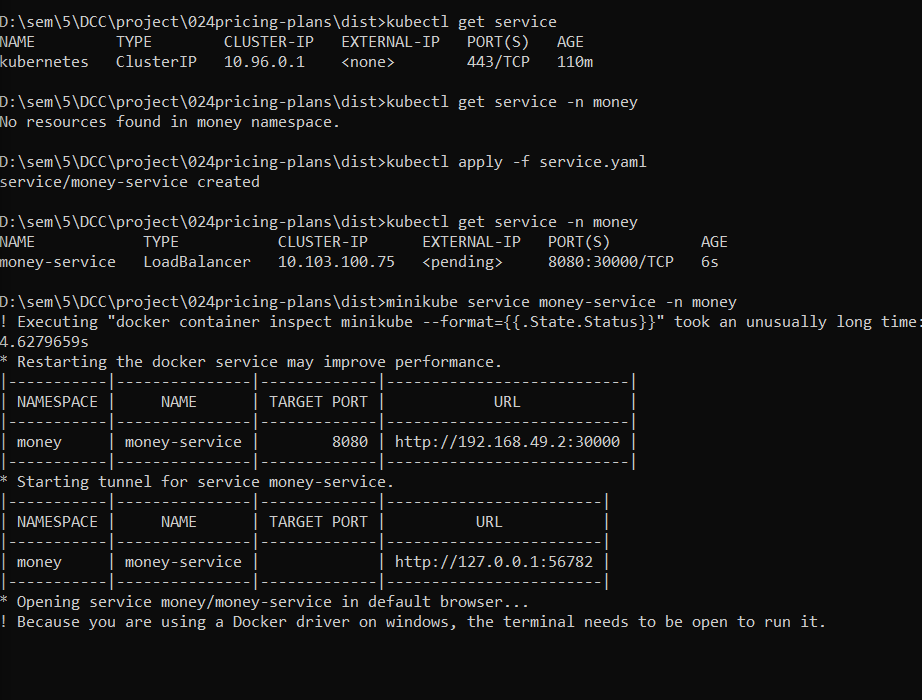
**Pod deployment:**

**Configuring deploying pod with 2 replicas:**

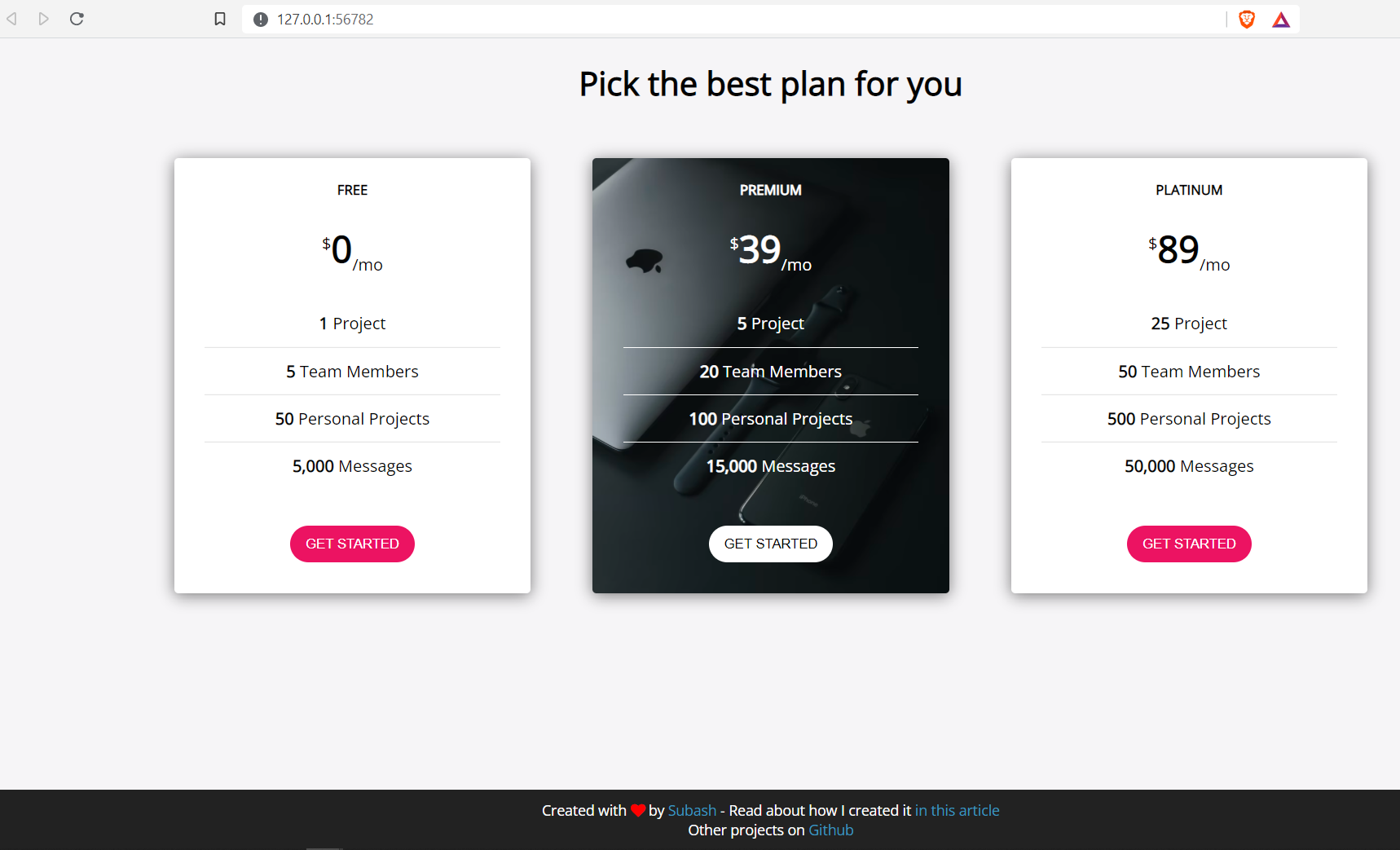


**Service Exposure:**

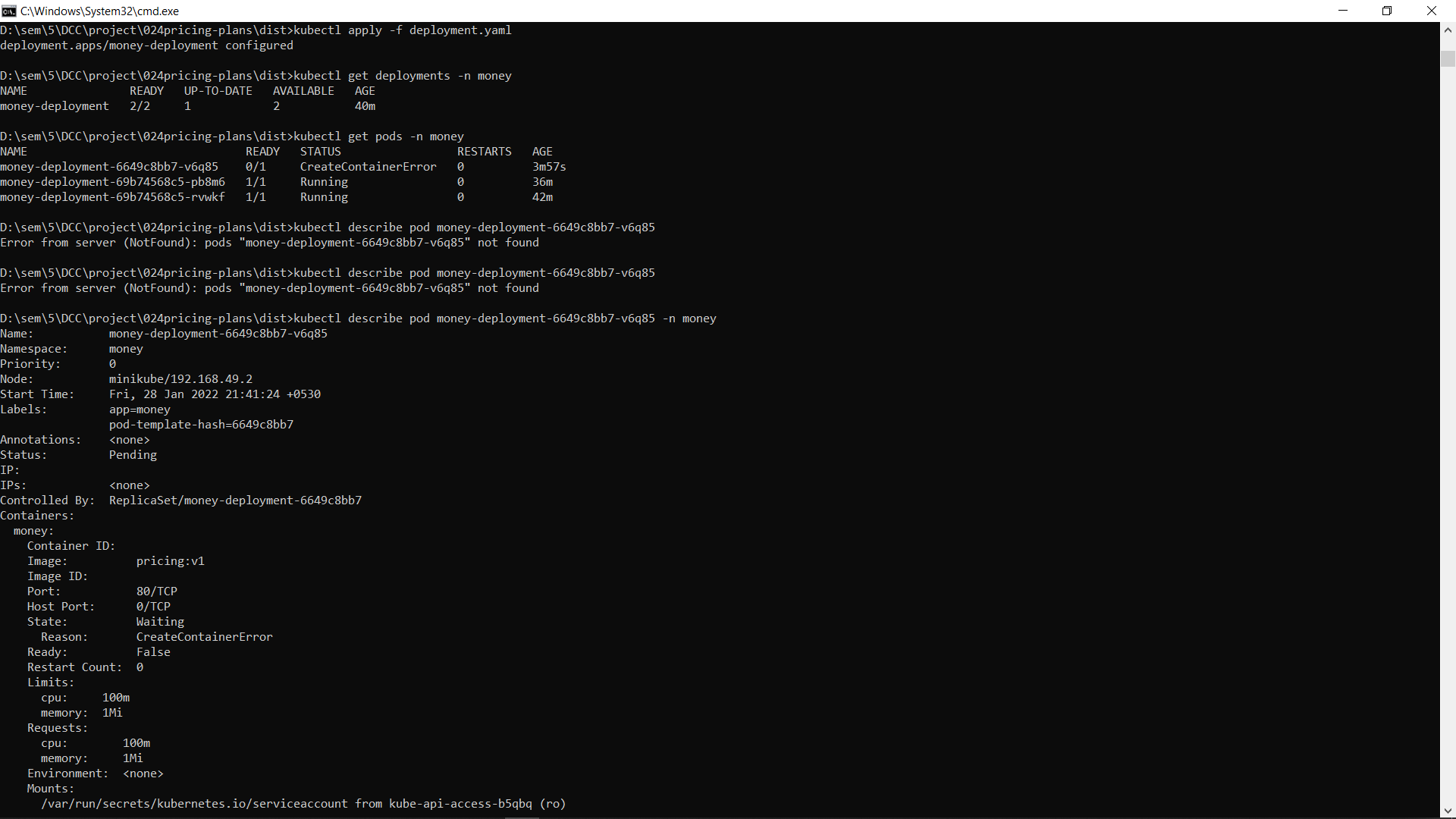


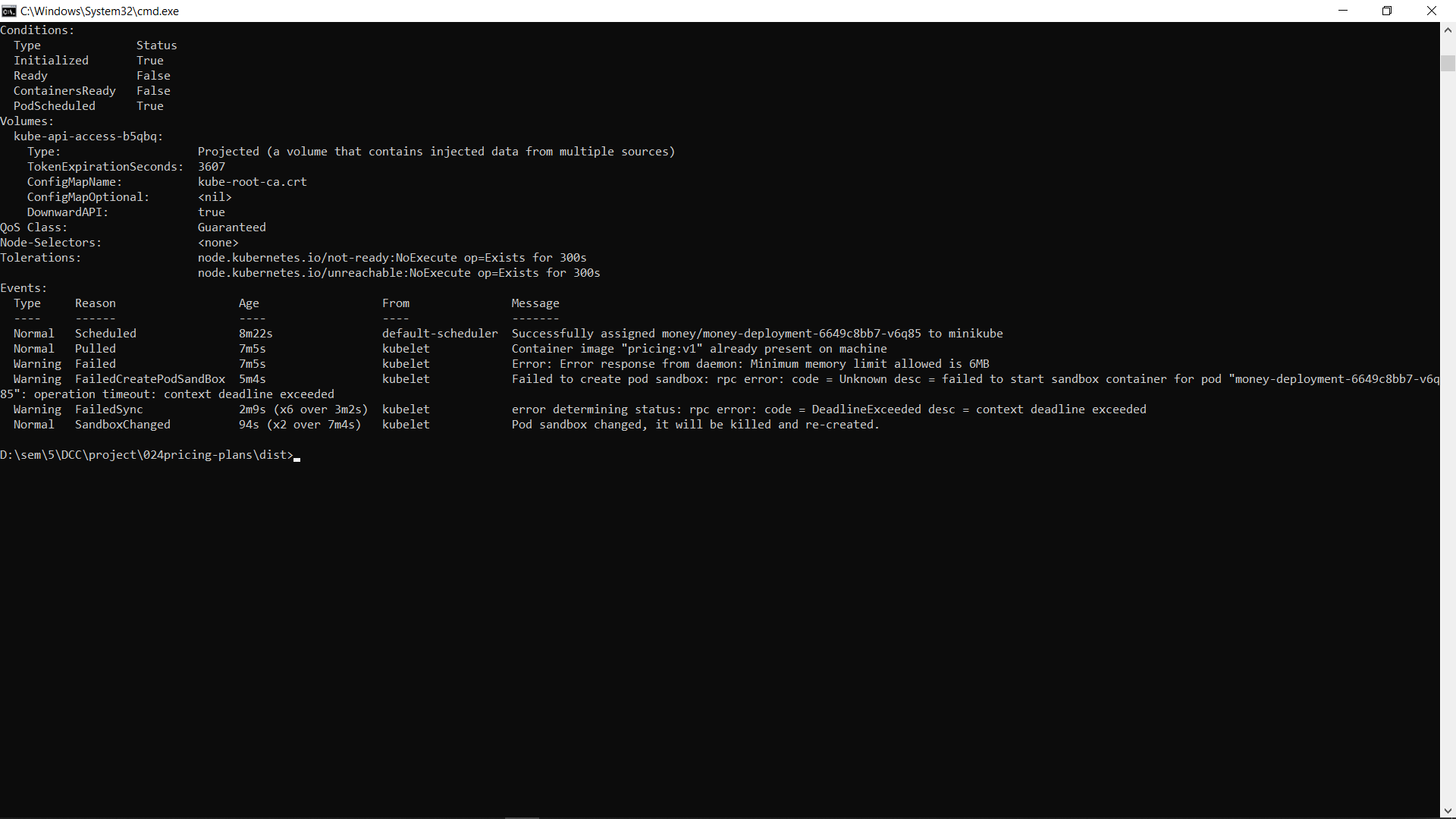


**Hosted Webpage:**



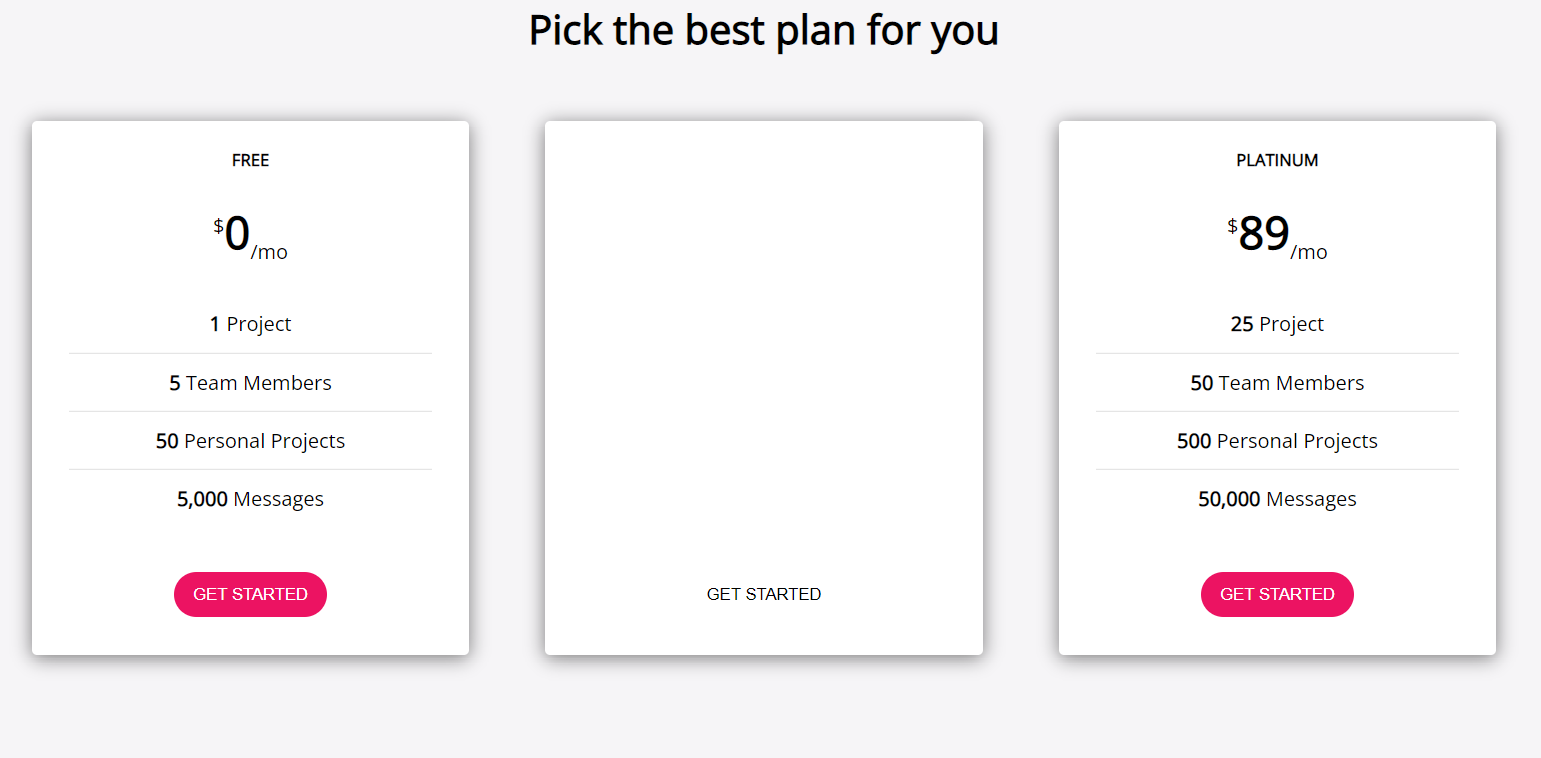
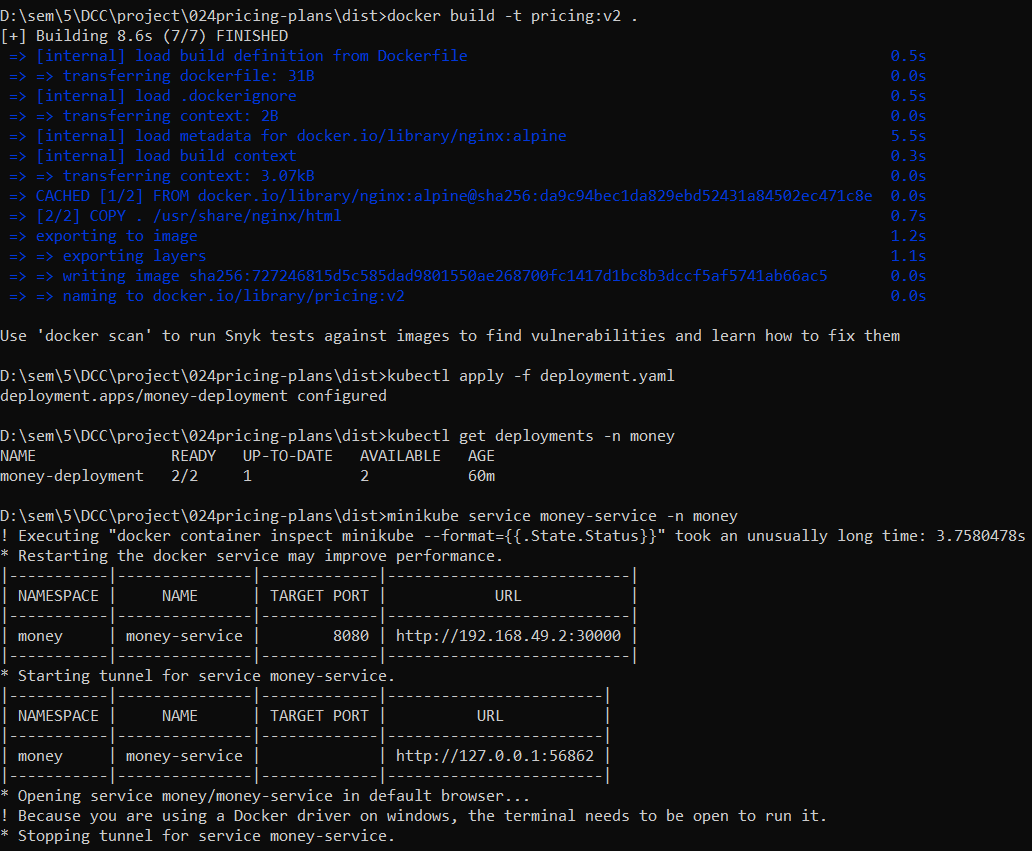
**Resource limitation:**





**ROLLBACK STRATEGY**

**Version-2**



**Rolling back to version 1**: