

Audrie Annelisse del Cid Ochoa  
201801263

## Tarea Docker y Kubernetes

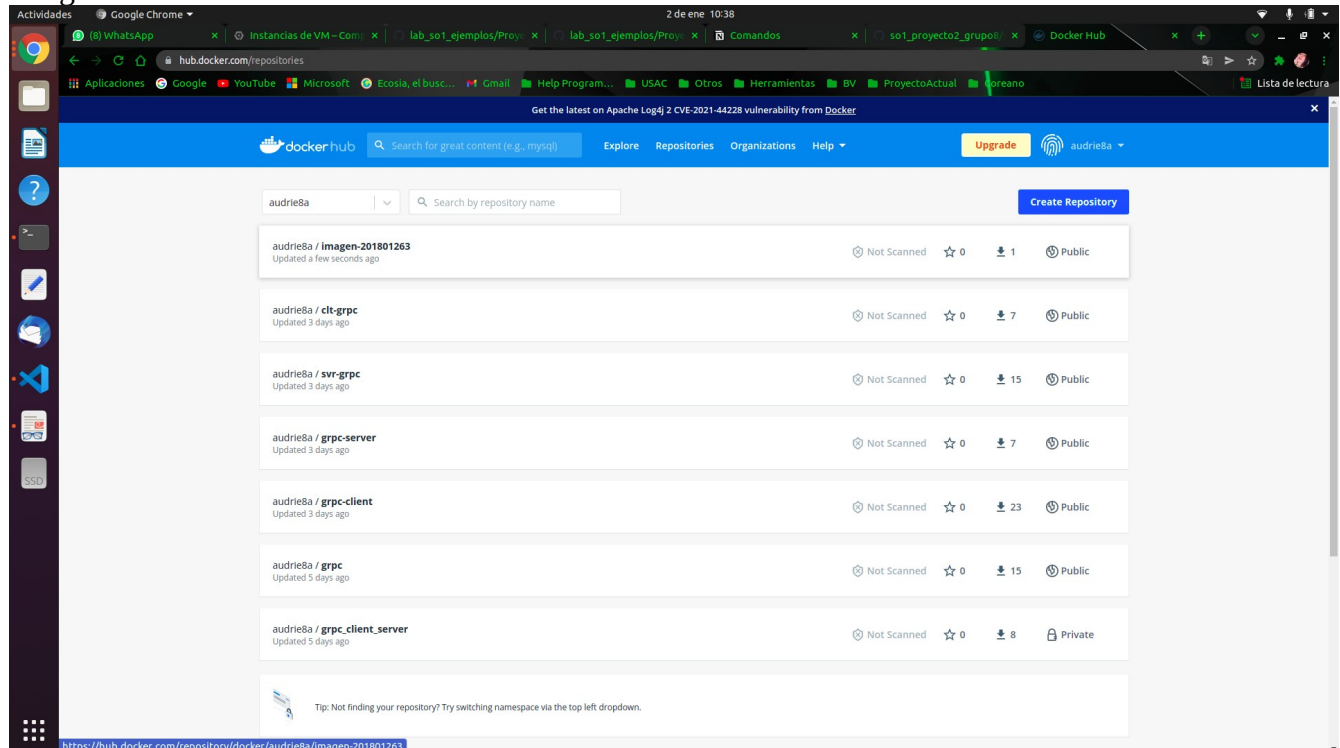
### Creación imagen Docker:

```
audrie8a@audrie8a-Inspiron-5502: ~$ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
imagen-201801263    latest             d77d1cda4493       13 seconds ago     122MB
audrie8a/ctl-grpc   latest             8a4d42291029       4 days ago         600MB
audrie8a/grpc-server latest             8a4d42291029       4 days ago         600MB
audrie8a/svr-grpc   latest             8a4d42291029       4 days ago         600MB
servergrpc          latest             8a4d42291029       4 days ago         600MB
svr                  latest             8a4d42291029       4 days ago         600MB
audrie8a/grpc-client latest             8d8847767e12       4 days ago         532MB
clientgrpc          latest             8d8847767e12       4 days ago         532MB
audrie8a/grpc-client latest             8d8847767e12       4 days ago         532MB
audrie8a/grpc-client_server cliente             711b3cccab1e       4 days ago         1.17GB
audrie8a/grpc-client_server servidor            eef835f104d96e     4 days ago         1.24GB
golang               latest             276895edf967       11 days ago        941MB
golang               1.16-alpine       7e352955f83c       3 weeks ago        302MB
node                 lts-alpine        710c8aa630d5       4 weeks ago        110MB

audrie8a@audrie8a-Inspiron-5502: ~$ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
audrie8a/imagen-201801263 latest             d77d1cda4493       About a minute ago 122MB
imagen-201801263    latest             d77d1cda4493       About a minute ago 122MB
audrie8a/ctl-grpc   latest             8a4d42291029       4 days ago         600MB
audrie8a/grpc-server latest             8a4d42291029       4 days ago         600MB
audrie8a/svr-grpc   latest             8a4d42291029       4 days ago         600MB
servergrpc          latest             8a4d42291029       4 days ago         600MB
svr                  latest             8a4d42291029       4 days ago         600MB
audrie8a/grpc-client latest             8d8847767e12       4 days ago         532MB
clientgrpc          latest             8d8847767e12       4 days ago         532MB
audrie8a/grpc-client latest             8d8847767e12       4 days ago         532MB
audrie8a/grpc-client_server cliente             711b3cccab1e       4 days ago         1.17GB
audrie8a/grpc-client_server servidor            eef835f104d96e     4 days ago         1.24GB
golang               latest             276895edf967       11 days ago        941MB
golang               1.16-alpine       7e352955f83c       3 weeks ago        302MB
node                 lts-alpine        710c8aa630d5       4 weeks ago        110MB

audrie8a@audrie8a-Inspiron-5502: ~$ docker push audrie8a/imagen-201801263
Using default tag: latest
The push refers to repository [docker.io/audrie8a/imagen-201801263]
ac17528d649e: Pushed
a1501d2de6b9: Pushed
a78d874fb0c8: Pushed
1f877b34dbe9: Pushed
37fd5d56fid2: Mounted from library/node
fbacca777177: Mounted from library/node
be2ae0cd530: Mounted from library/node
1a058d5342cc: Mounted from library/node
latest: digest: sha256:6bf571b8eccc30953fab9e57f82ea961d69c4a24ae570fb981e84c1defca61 size: 1996
audrie8a@audrie8a-Inspiron-5502: ~$
```

### Imagen en DockerHub:



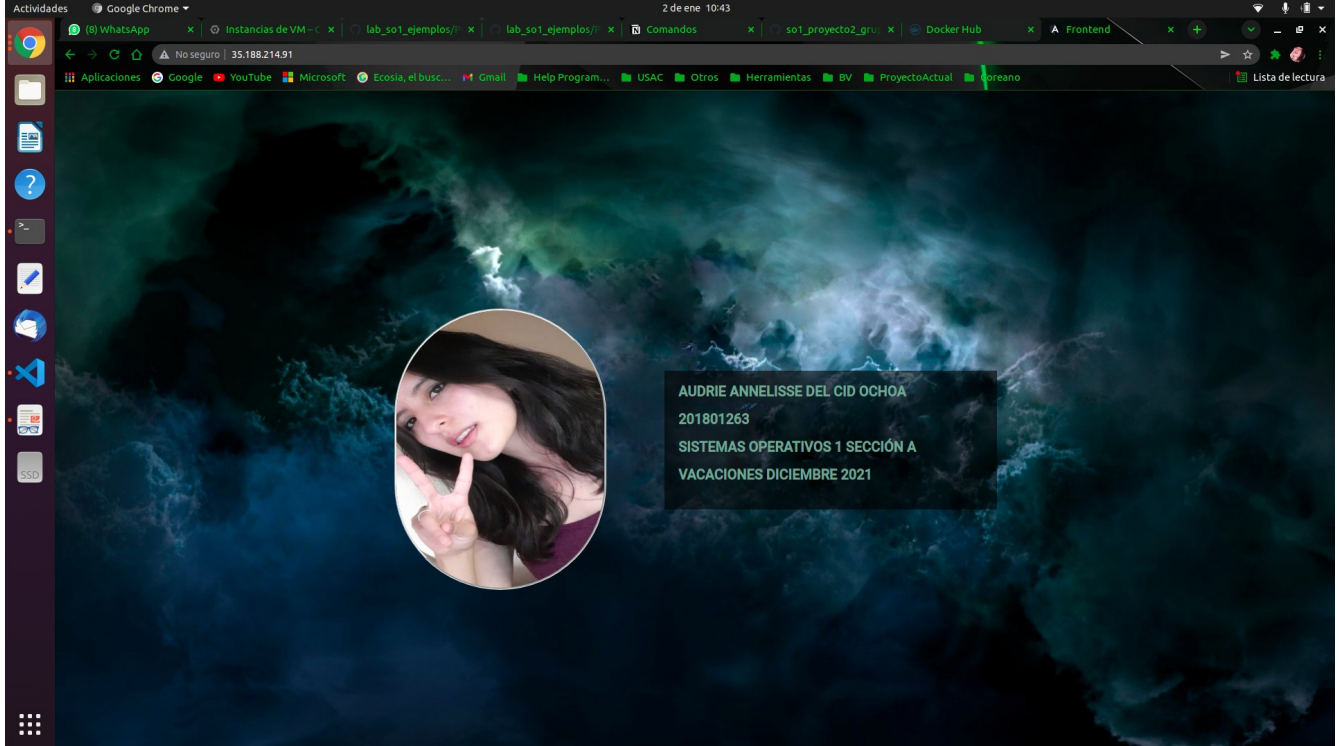
## Deployment imagen:

```
Actividades Terminal 2 de ene 10:42
audrie8a@audrie8a-Inspiron-5502: /media/audrie8a/Archivos/Sopesi/Lab/Tarea3_4/Kubernetes$ kubectl create -f node.yaml
deployment.apps/deploy-201801263 created
audrie8a@audrie8a-Inspiron-5502: /media/audrie8a/Archivos/Sopesi/Lab/Tarea3_4/Kubernetes$ kubectl get deployments -n audrie
NAME          READY   UP-TO-DATE   AVAILABLE   AGE
deploy-201801263  1/1     1             1           11s
audrie8a@audrie8a-Inspiron-5502: /media/audrie8a/Archivos/Sopesi/Lab/Tarea3_4/Kubernetes$ kubectl get all -n audrie
NAME          READY   STATUS    RESTARTS   AGE
pod/deploy-201801263-5b5f64f975-zs6gp  1/1     Running    0           21s
audrie8a@audrie8a-Inspiron-5502: /media/audrie8a/Archivos/Sopesi/Lab/Tarea3_4/Kubernetes$ kubectl expose deployment/deploy-201801263 --target-port=3000 --port=80 --type=LoadBalancer --name=svc-201801263 -n audrie
service/svc-201801263 exposed
audrie8a@audrie8a-Inspiron-5502: /media/audrie8a/Archivos/Sopesi/Lab/Tarea3_4/Kubernetes$ kubectl get all -n audrie
NAME          READY   STATUS    RESTARTS   AGE
pod/deploy-201801263-5b5f64f975-zs6gp  1/1     Running    0           82s
NAME          TYPE          CLUSTER-IP   EXTERNAL-IP   PORT(S)          AGE
service/svc-201801263  LoadBalancer  10.68.7.138   <pending>     80:31747/TCP     9s
NAME          READY   UP-TO-DATE   AVAILABLE   AGE
deployment.apps/deploy-201801263  1/1     1             1           83s
NAME          DESIRED   CURRENT   READY   AGE
replicaset.apps/deploy-201801263-5b5f64f975  1         1         1       83s
audrie8a@audrie8a-Inspiron-5502: /media/audrie8a/Archivos/Sopesi/Lab/Tarea3_4/Kubernetes$ kubectl get all -n audrie
NAME          READY   STATUS    RESTARTS   AGE
pod/deploy-201801263-5b5f64f975-zs6gp  1/1     Running    0           113s
NAME          TYPE          CLUSTER-IP   EXTERNAL-IP   PORT(S)          AGE
service/svc-201801263  LoadBalancer  10.68.7.138   35.188.214.91 80:31747/TCP     40s
NAME          READY   UP-TO-DATE   AVAILABLE   AGE
deployment.apps/deploy-201801263  1/1     1             1           114s
NAME          DESIRED   CURRENT   READY   AGE
replicaset.apps/deploy-201801263-5b5f64f975  1         1         1       114s
audrie8a@audrie8a-Inspiron-5502: /media/audrie8a/Archivos/Sopesi/Lab/Tarea3_4/Kubernetes$
```

## Exposición deployment:

```
replicaset.apps/deploy-201801263-5b5f64f975  1         1         1       83s
audrie8a@audrie8a-Inspiron-5502: /media/audrie8a/Archivos/Sopesi/Lab/Tarea3_4/Kubernetes$ kubectl get all -n audrie
NAME          READY   STATUS    RESTARTS   AGE
pod/deploy-201801263-5b5f64f975-zs6gp  1/1     Running    0           113s
NAME          TYPE          CLUSTER-IP   EXTERNAL-IP   PORT(S)          AGE
service/svc-201801263  LoadBalancer  10.68.7.138   35.188.214.91 80:31747/TCP     40s
NAME          READY   UP-TO-DATE   AVAILABLE   AGE
deployment.apps/deploy-201801263  1/1     1             1           114s
NAME          DESIRED   CURRENT   READY   AGE
replicaset.apps/deploy-201801263-5b5f64f975  1         1         1       114s
audrie8a@audrie8a-Inspiron-5502: /media/audrie8a/Archivos/Sopesi/Lab/Tarea3_4/Kubernetes$
```

Deployment expuesto:



IP externa: 34.133.7.88

