SAAS: Aplicación usando Docker

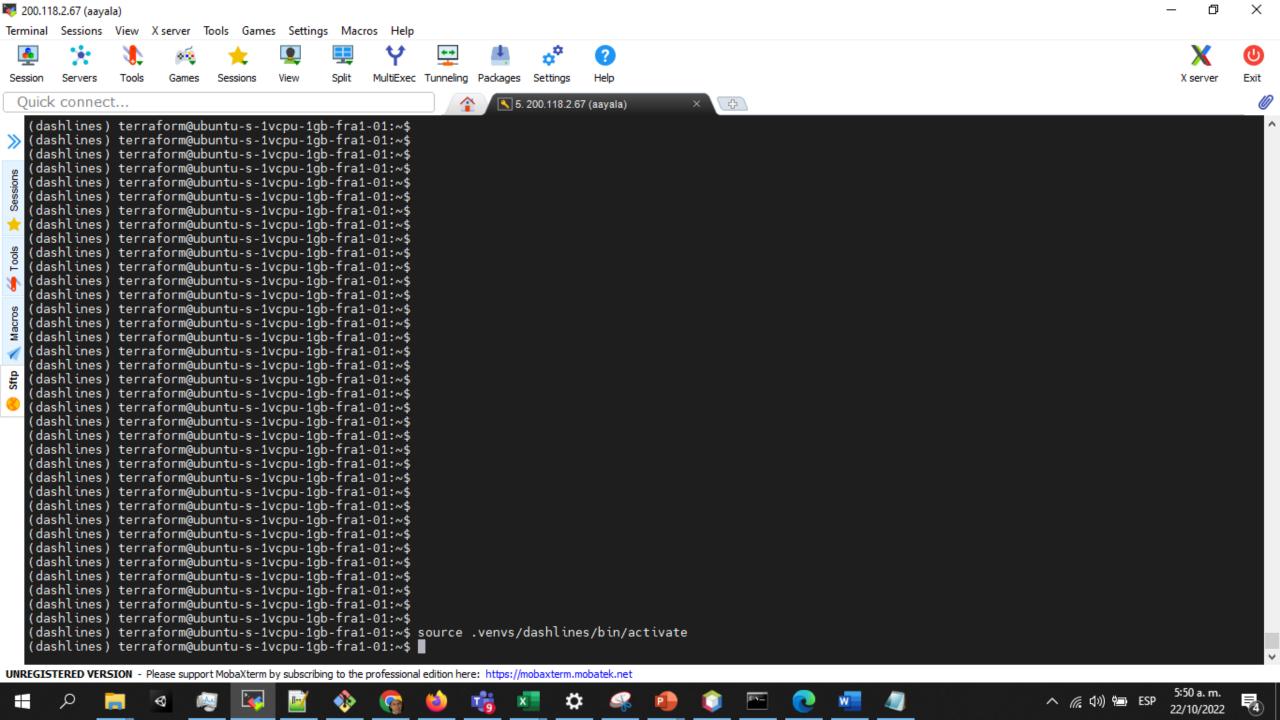
Instalar docker

Clone a git repository

Git clone https://github.com/alfonsoayalapaloma/python-docker.git

Create a virtual environment

python3 -m venv .venvs/dashlines source .venvs/dashlines/bin/activate



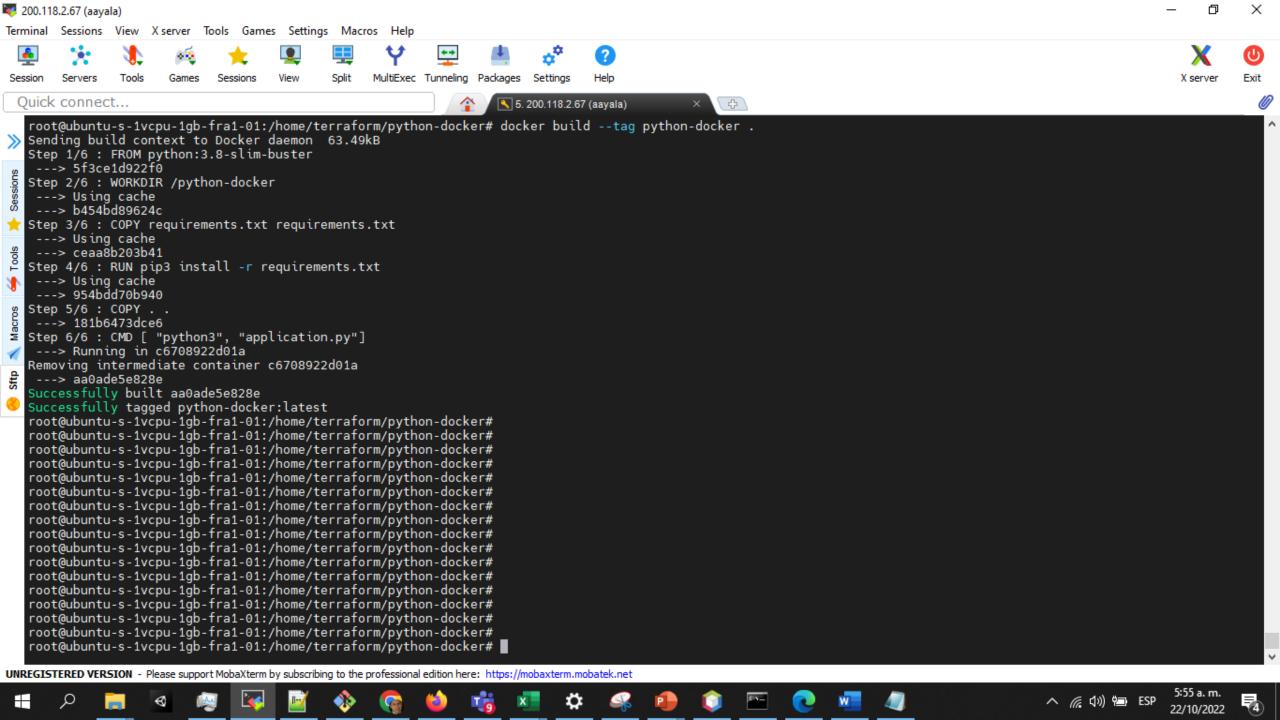
Install requirements

Cd Python-docker

Pip install –r requirements.txt

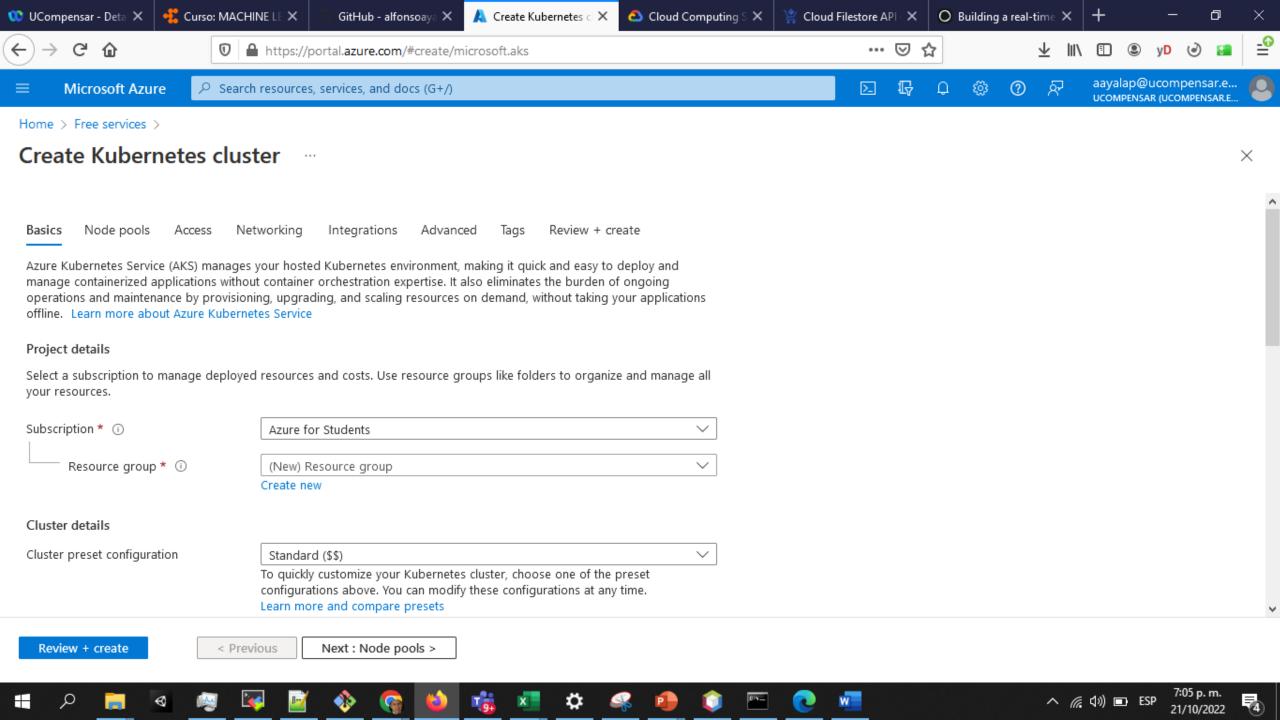
Create a Docker image

docker build --tag python-docker.



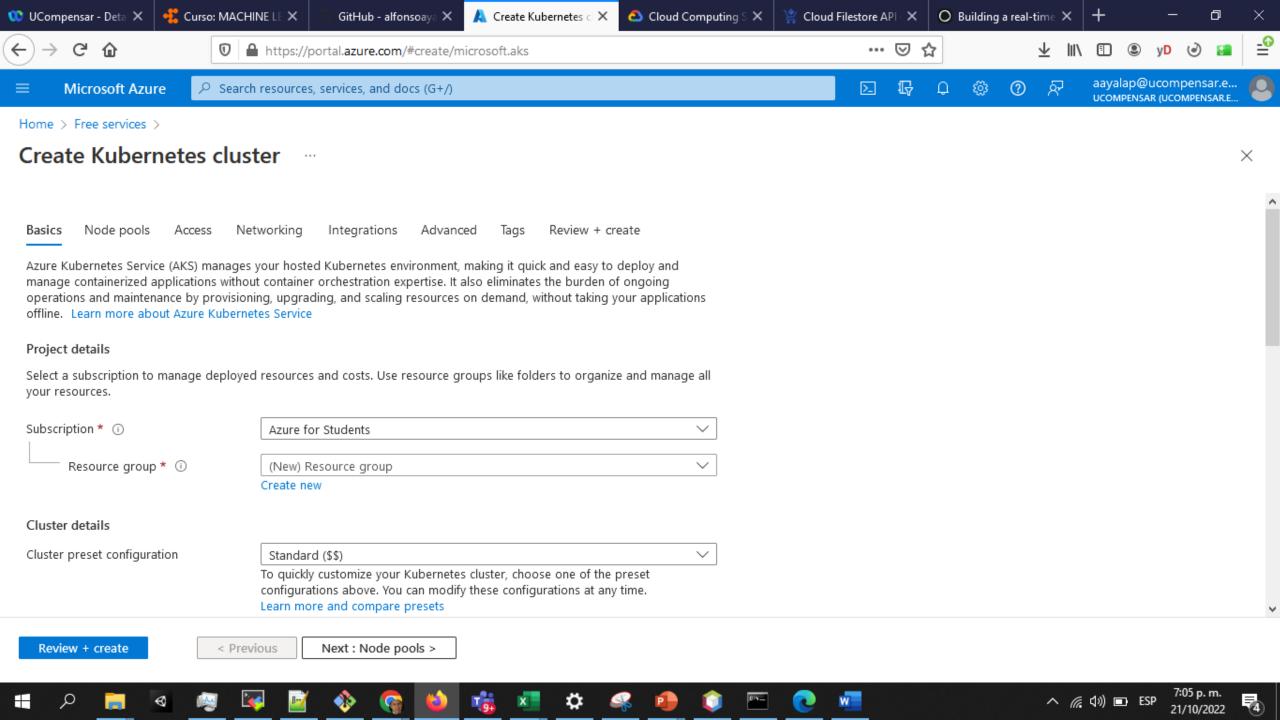
Create a kubernetes cluster in azure

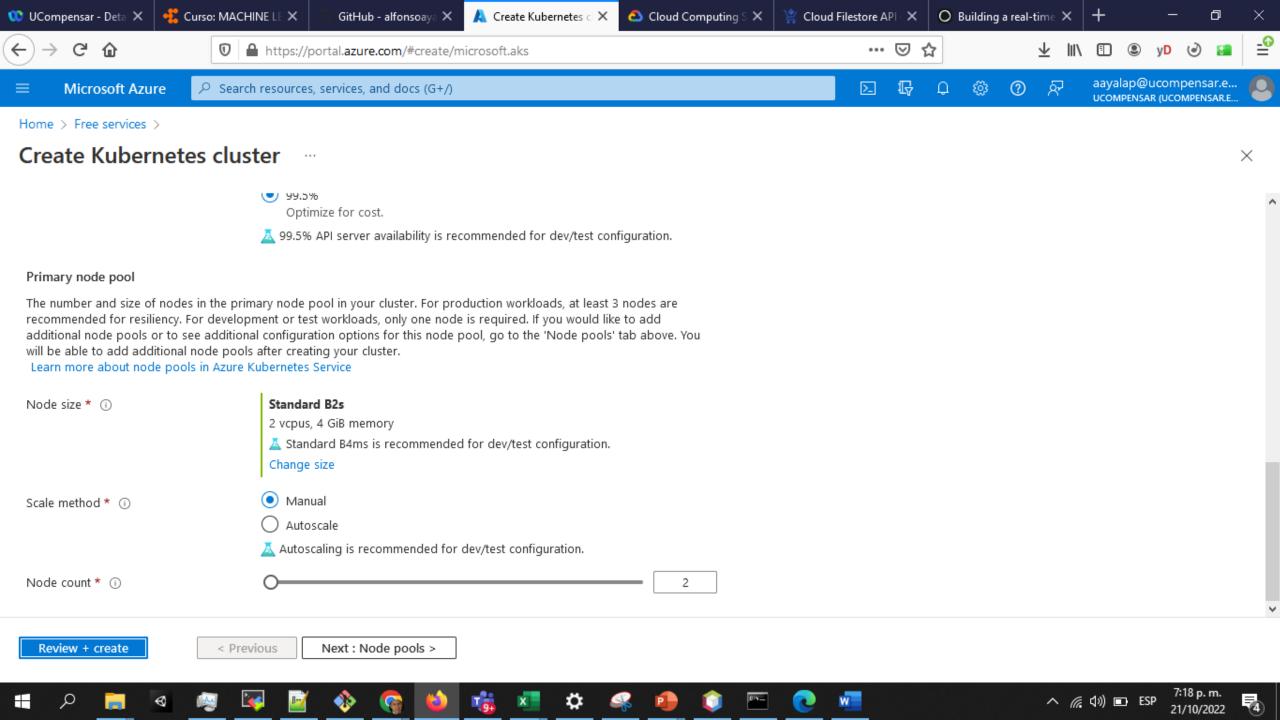
docker build --tag python-docker.

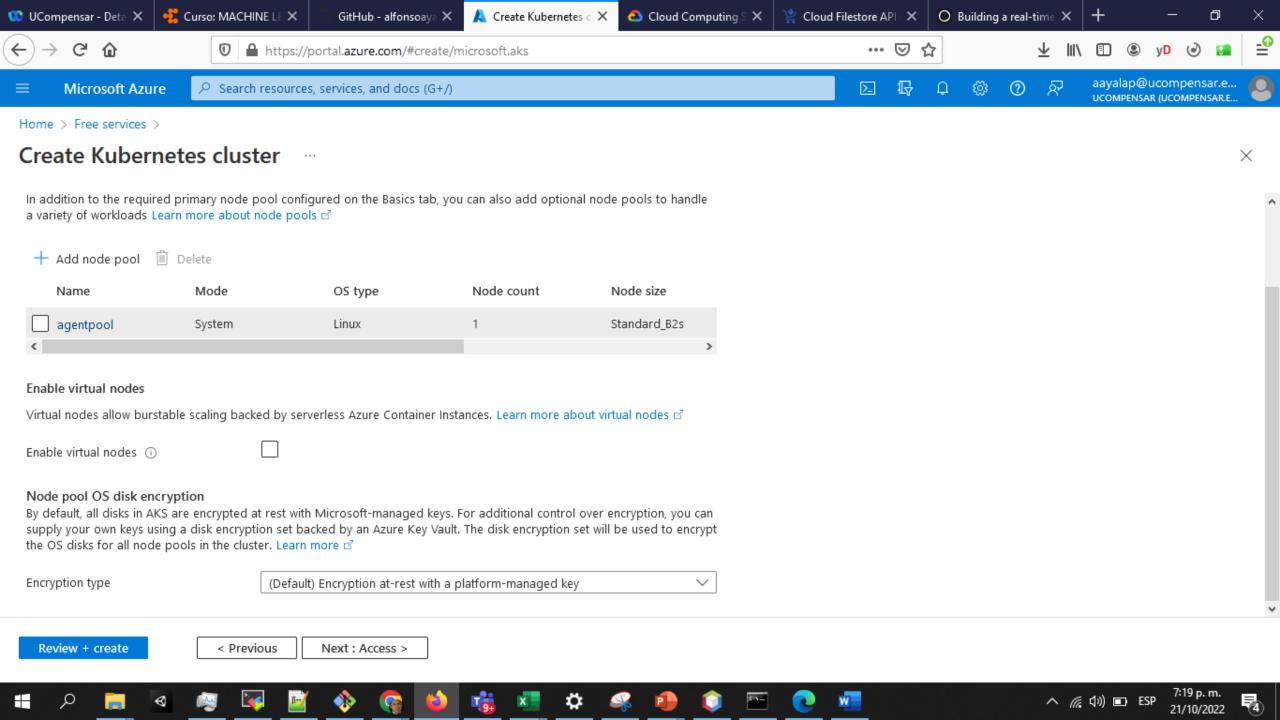


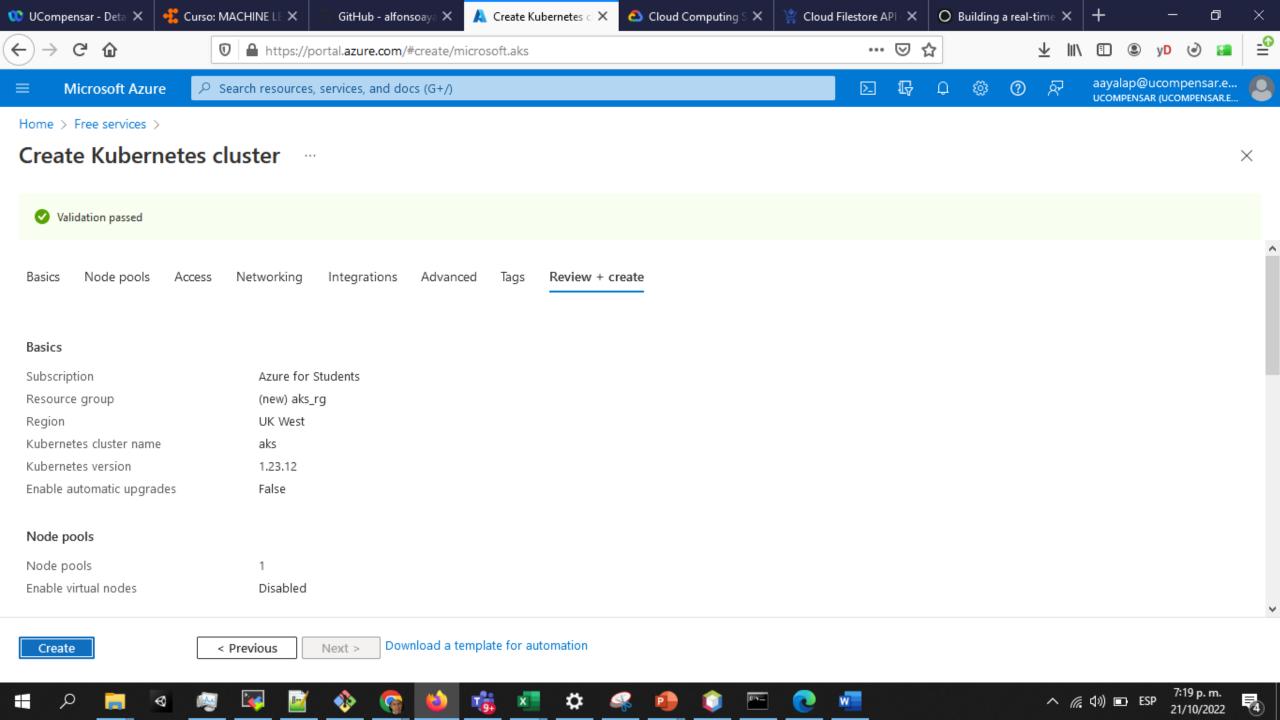
Create a kubernetes cluster in azure

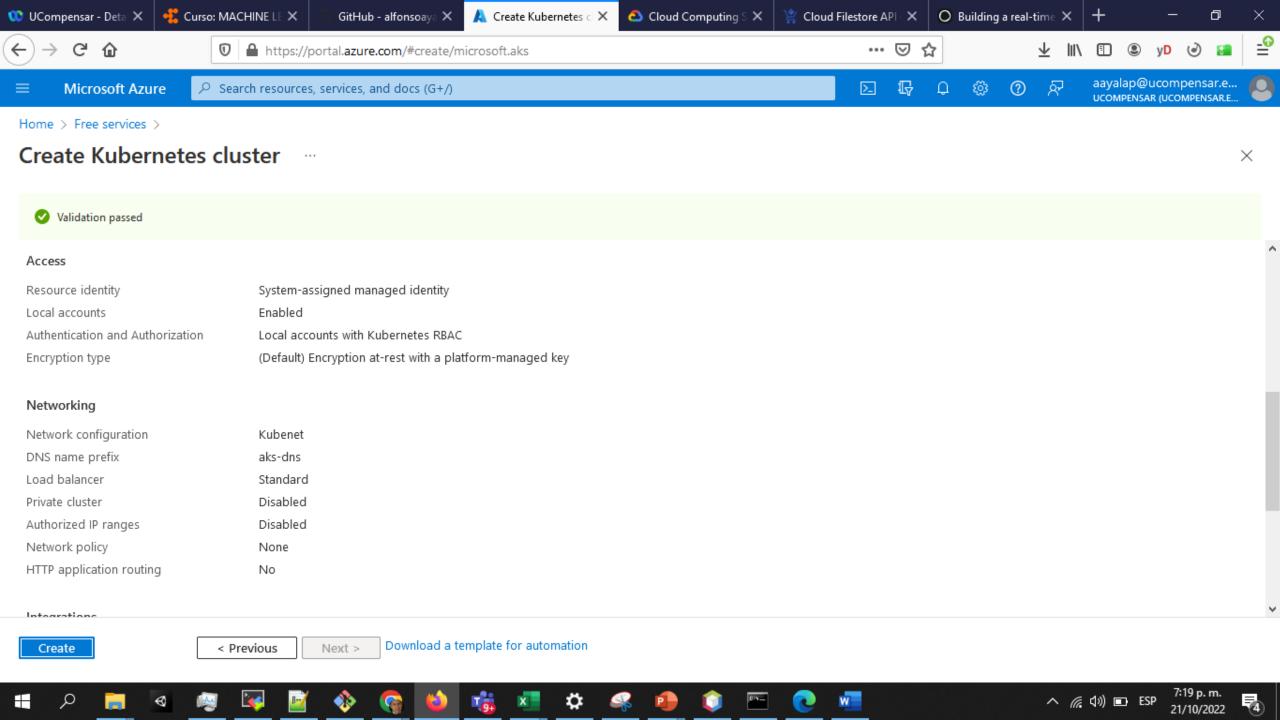
docker build --tag python-docker.

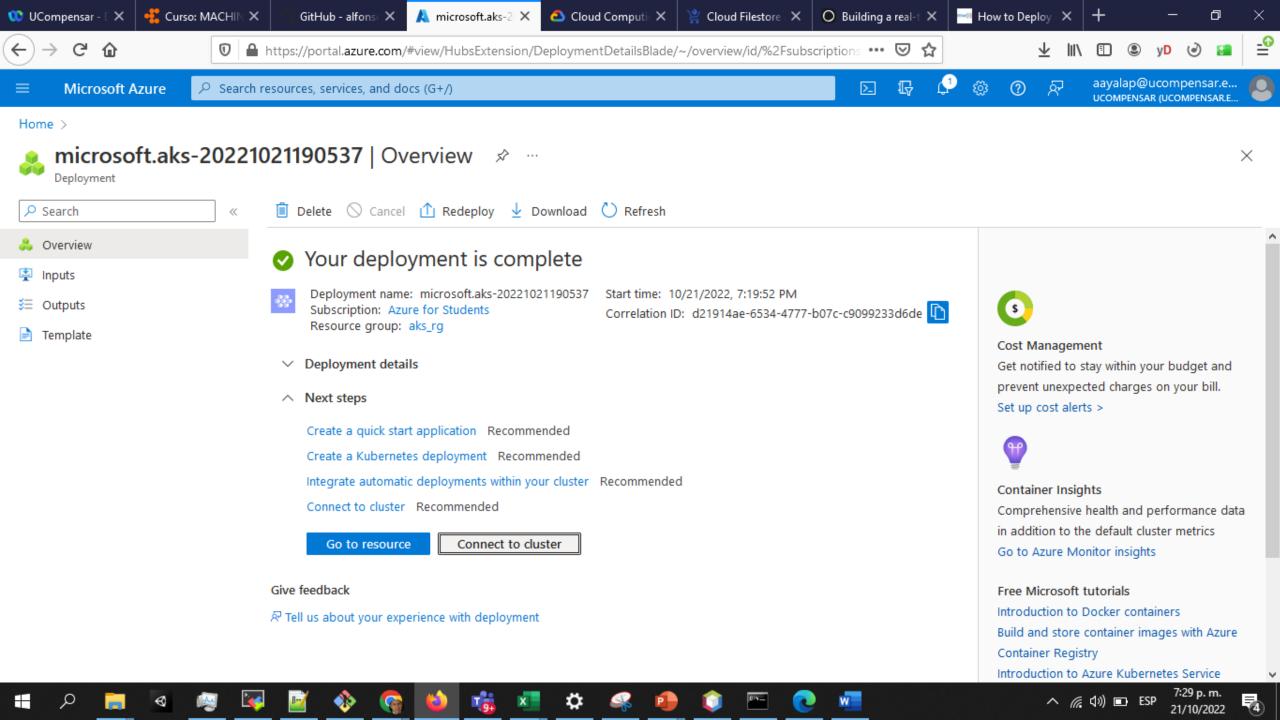




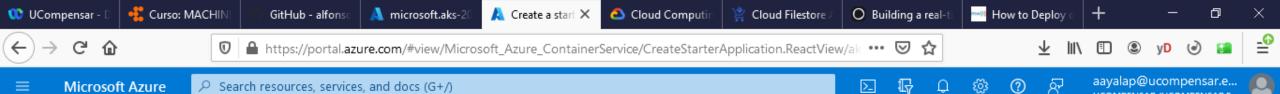








Create application on Cluster

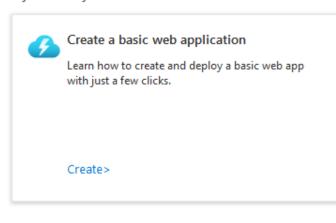


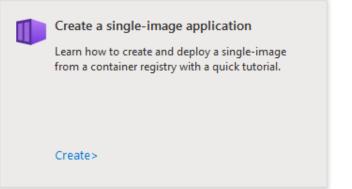
Home >

Create a starter application

Deploy a basic web or single-image application to get started with Kubernetes. No prior Kubernetes experience required.

If you already have a YAML file or want to create a more complex deployment, add with YAML instead.

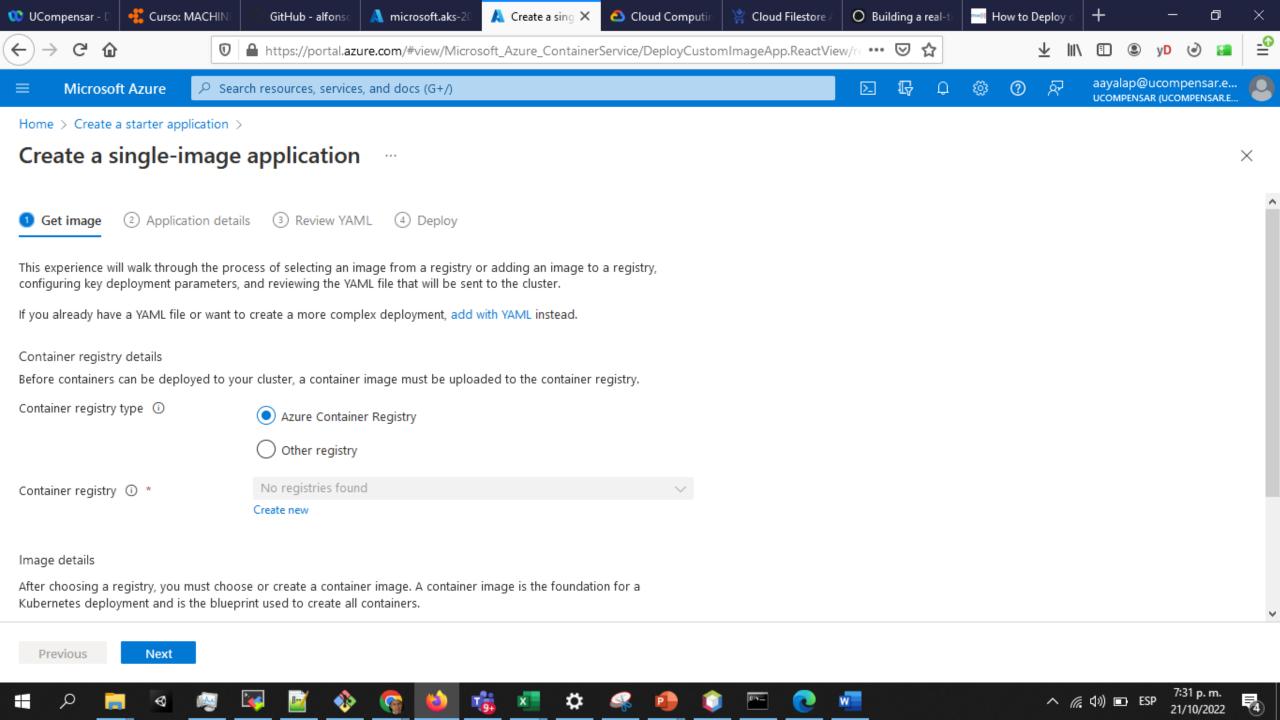


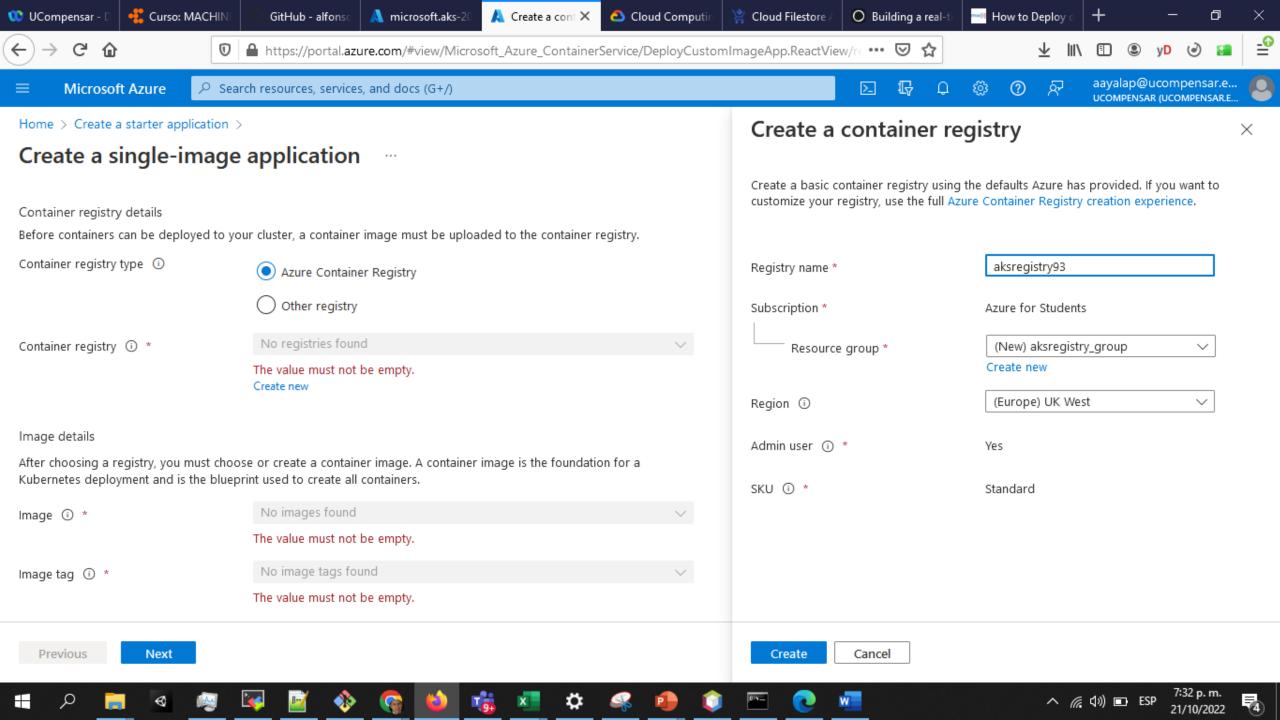


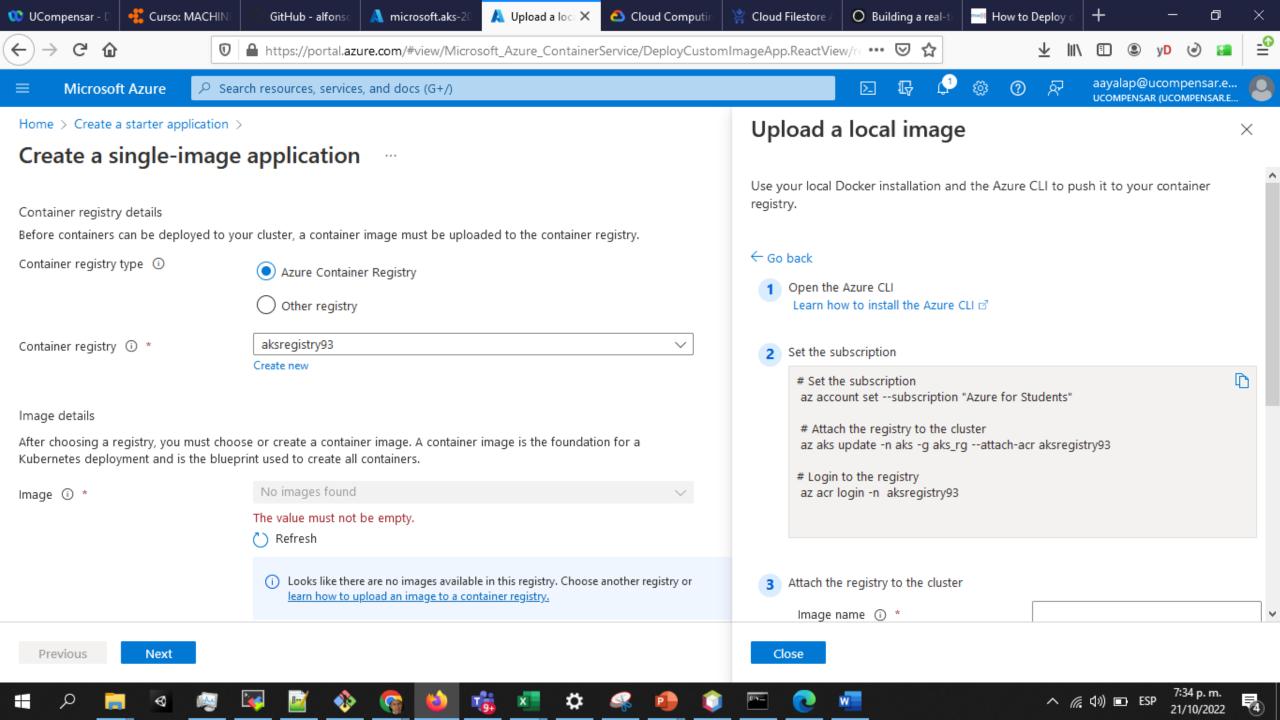
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Upload your image to Azure

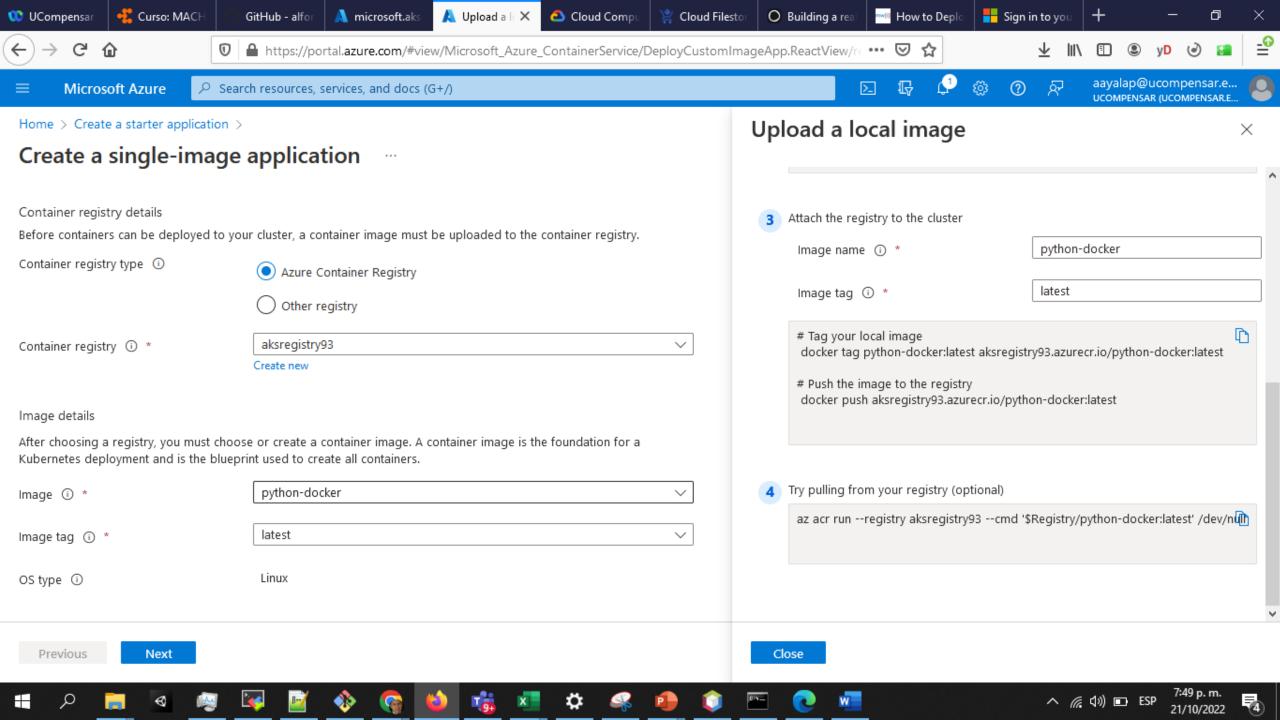
az account set --subscription "Azure for Students"

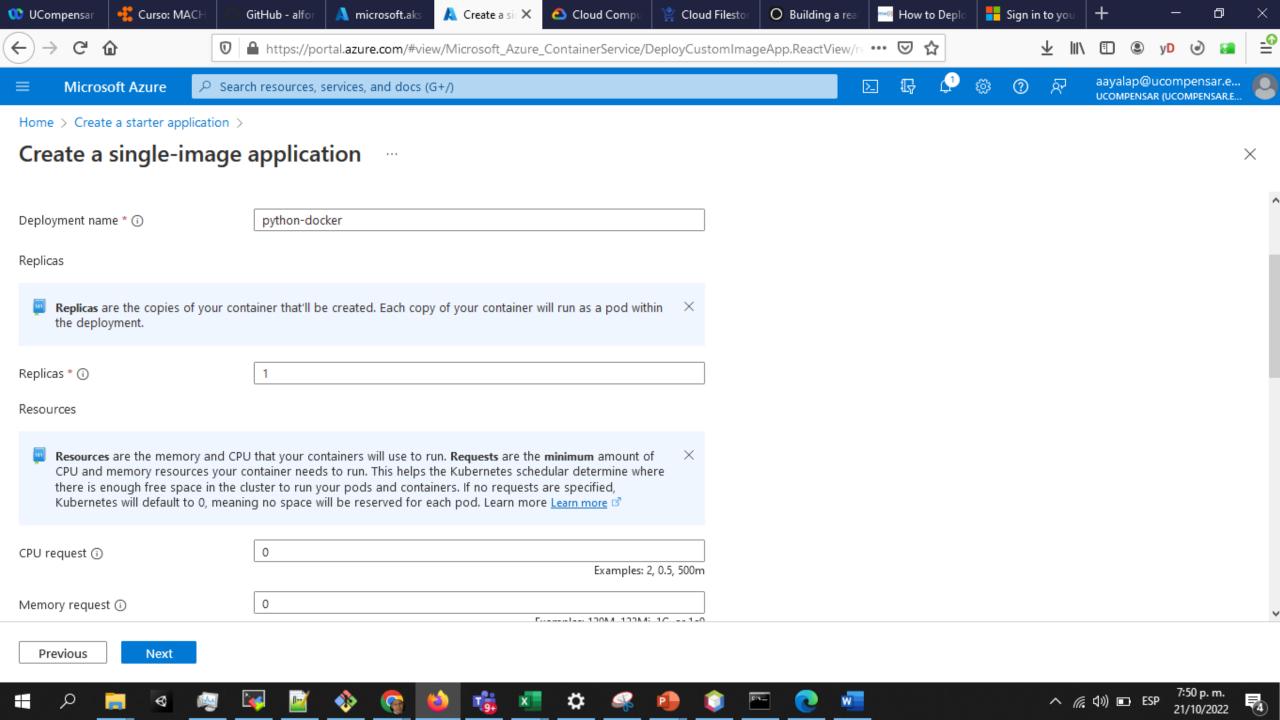
az aks update -n aks -g aks_rg --attach-acr aksregistry93

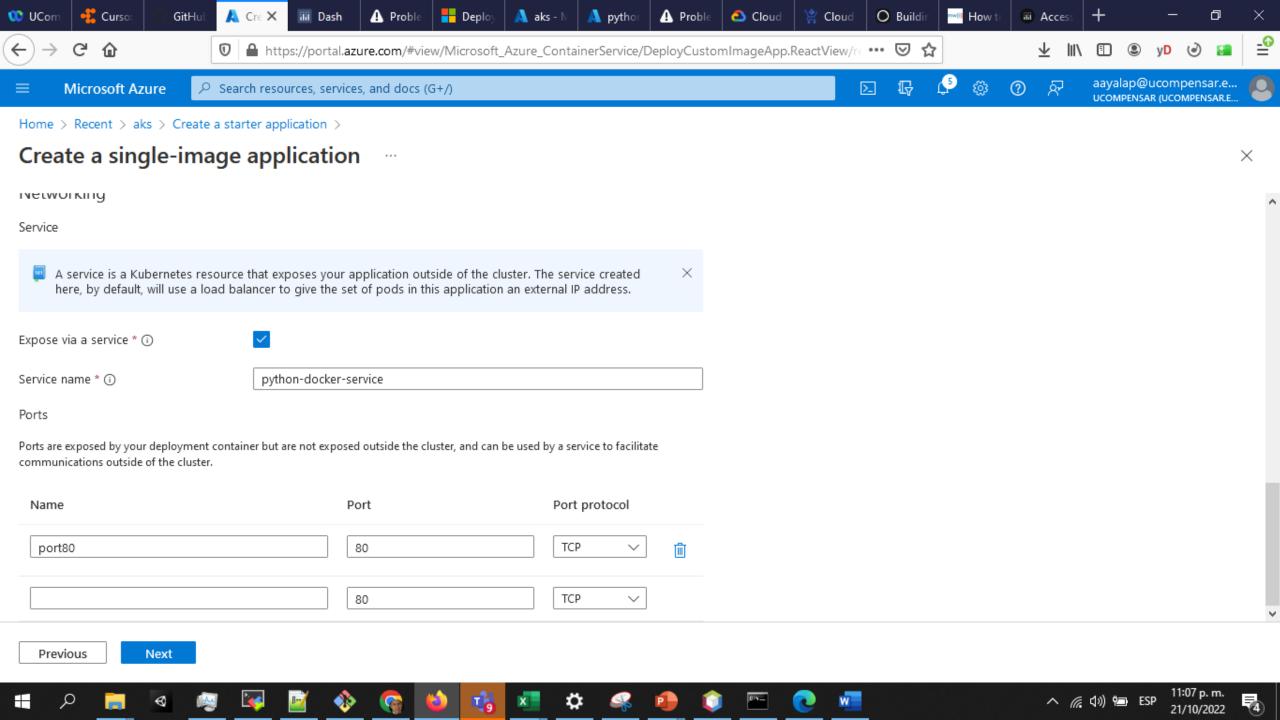
az acr login -n aksregistry93

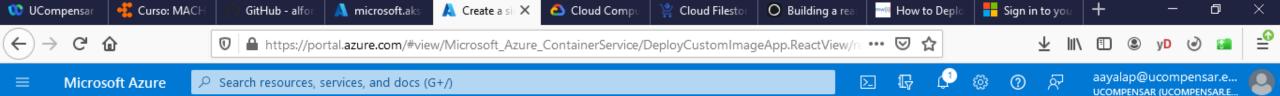
docker tag python-docker:latest aksregistry93.azurecr.io/python-docker:latestdocker

push aksregistry93.azurecr.io/python-docker:latest









Home > Create a starter application >

Create a single-image application

```
28
                   ports:
29
                      - containerPort: 80
30
                   resources:
                      requests:
                        cpu: '0'
33
                       memory: '0'
34
                     limits:
35
                        cpu: '256'
36
                       memory: 11400G
37
       - apiVersion: v1
38
         kind: Service
39
         metadata:
40
           name: python-docker-service
           namespace: default-1666399846961
41
42
         spec:
43
           type: LoadBalancer
           ports:
             - targetPort: 80
45
               name: port80
46
               port: 80
48
               protocol: TCP
49
           selector:
50
             app: python-docker
```

Previous

Deploy





























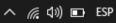










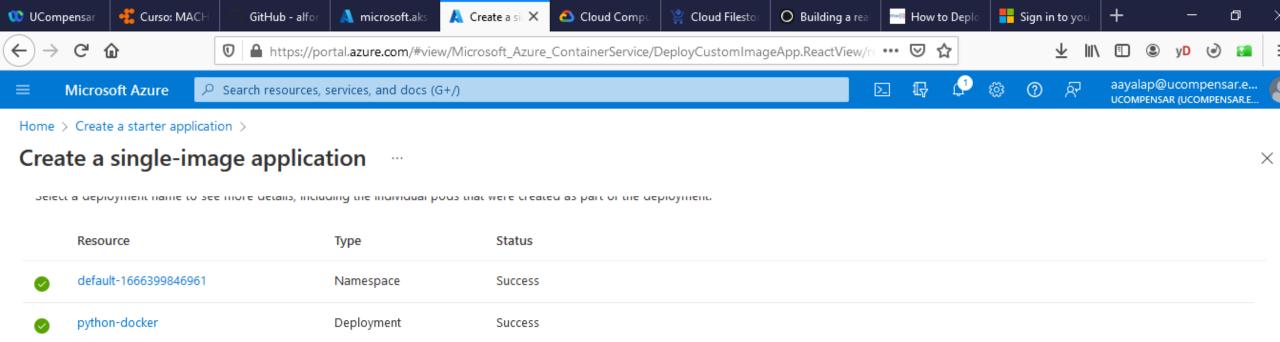








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Success

▲ 0/1 pods ready ①

3. Next steps

Here are some actions you can take once your application is deployed.

Uiew the application

View the deployed application by going to the external IP address associated with the frontend service.

Service

Pod

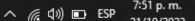
Waiting for application to be available. 🔾

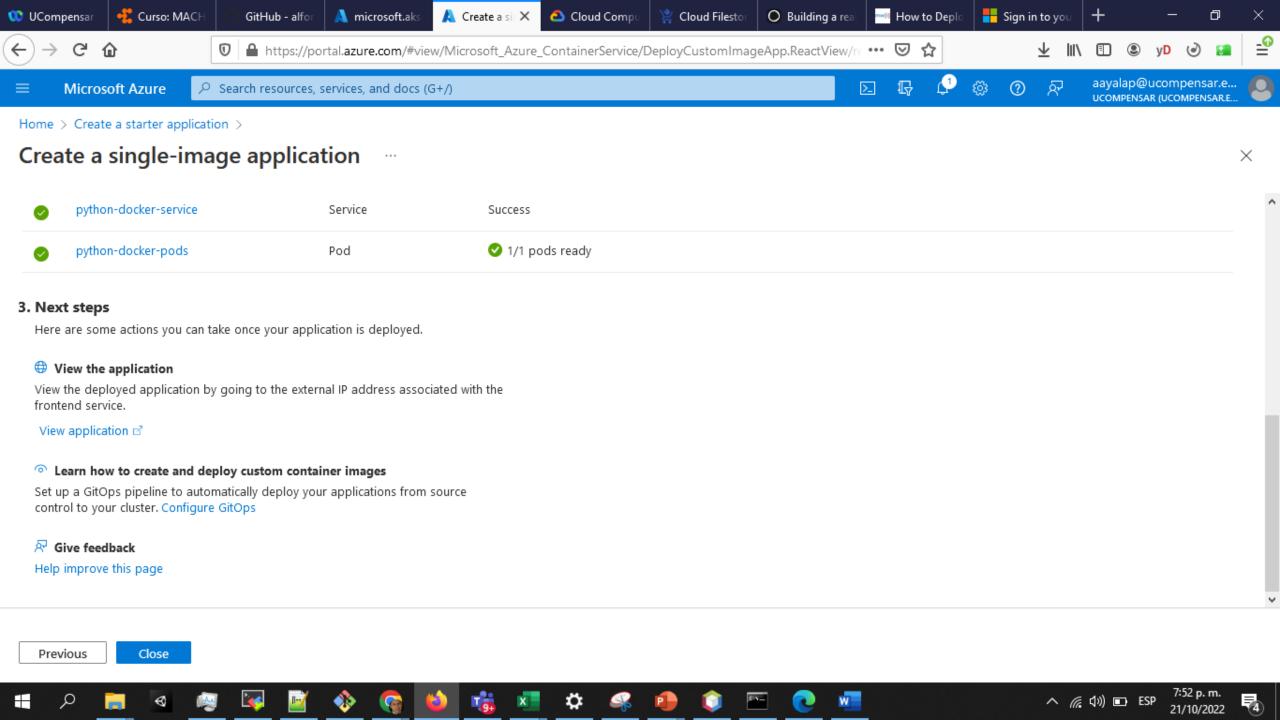
python-docker-service

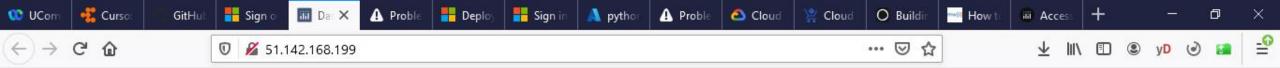
python-docker-pods

Previous

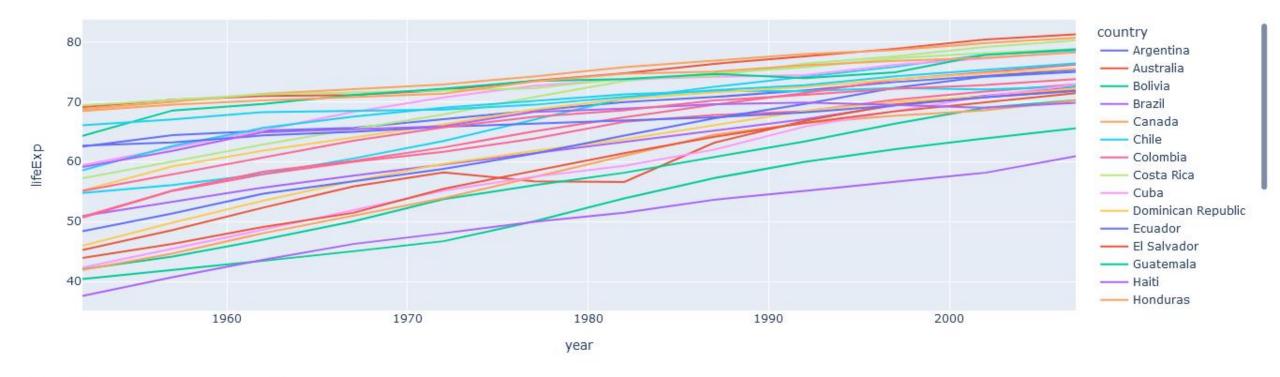
Close







Life expentancy progression of countries per continents



☐ Asia ☐ Europe ☐ Africa ☐ Americas ☐ Oceania





