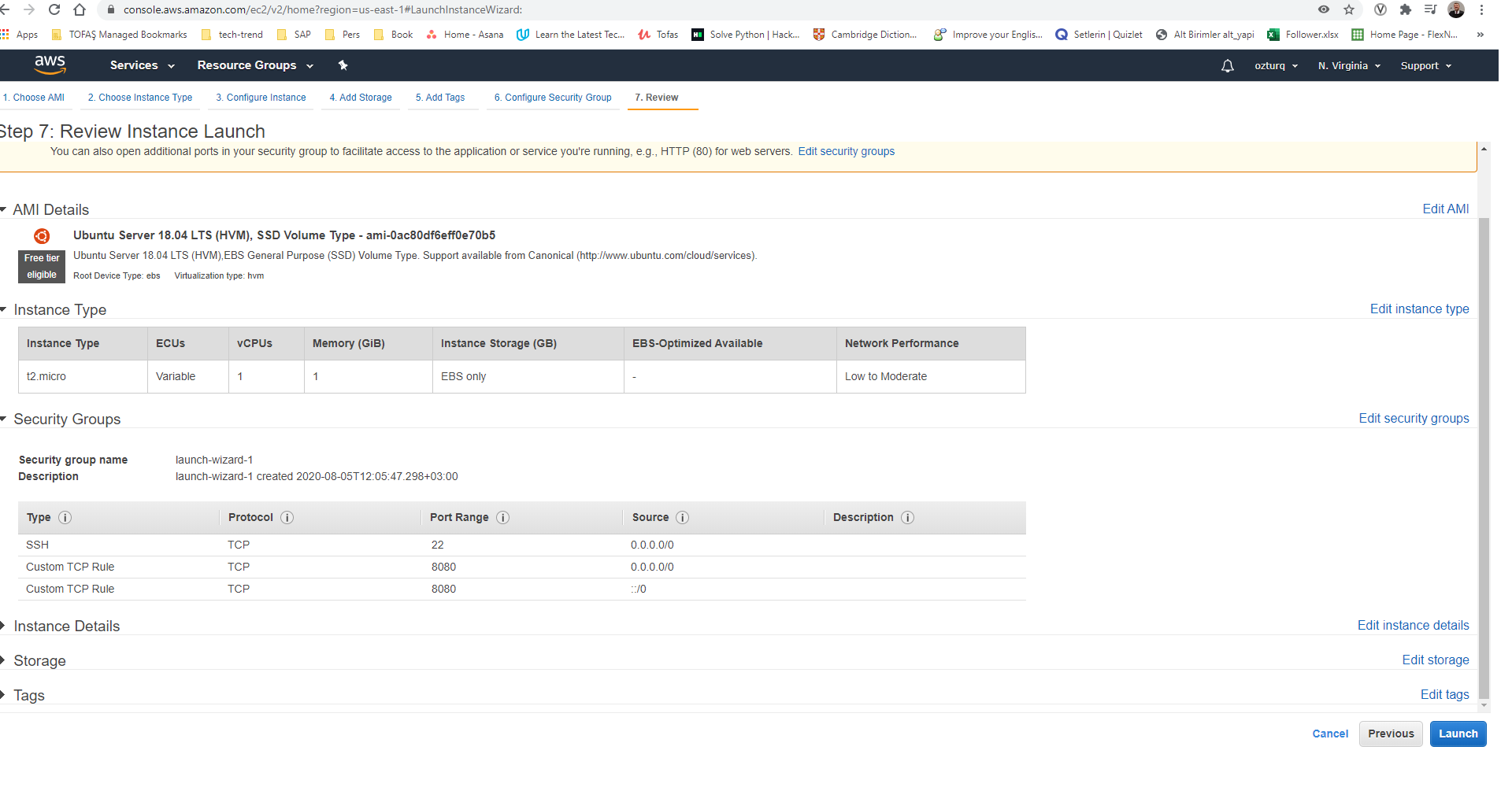
# Udacity Capstone Project 5 Kemal Ozturk

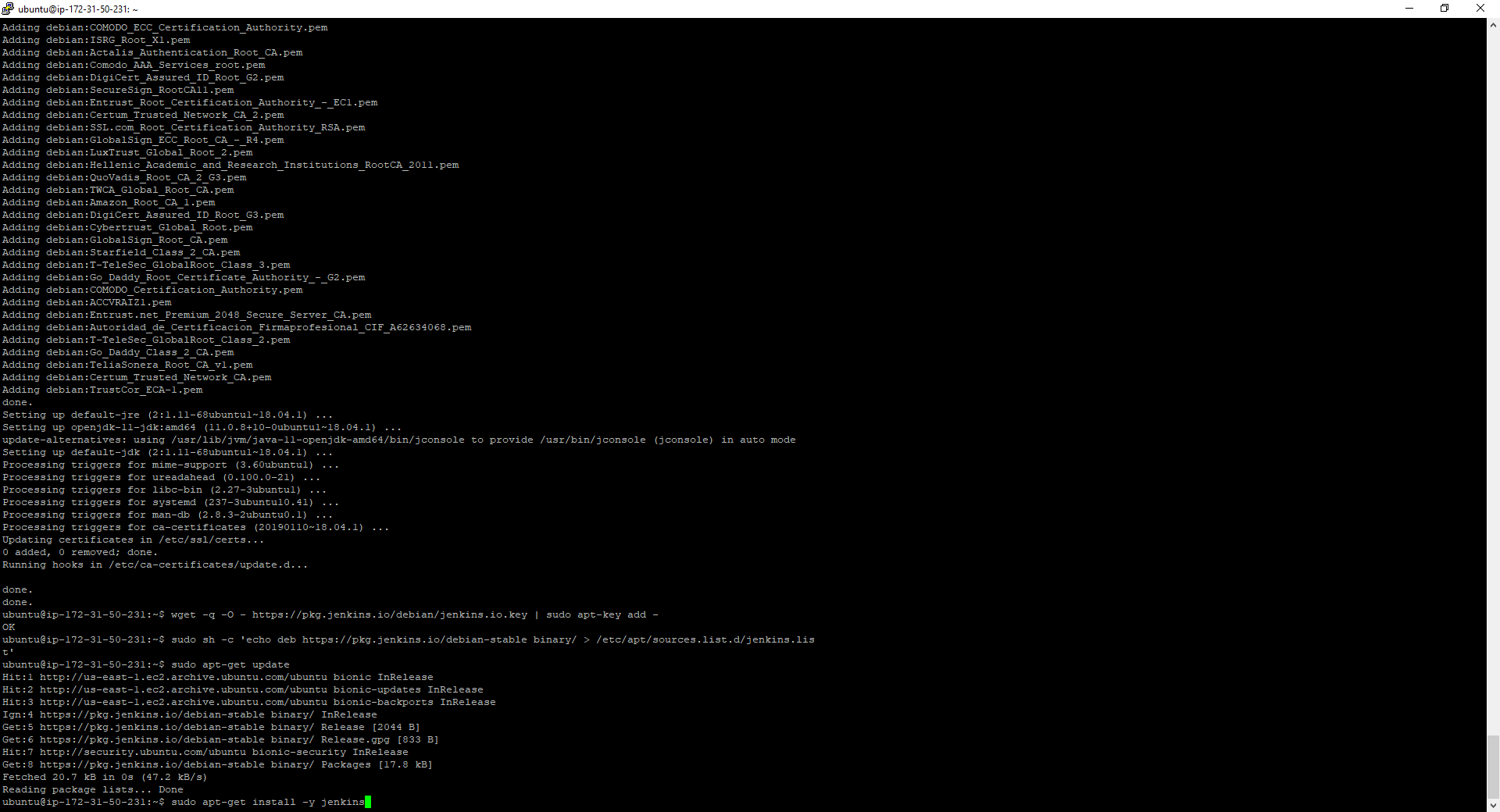
## Steps

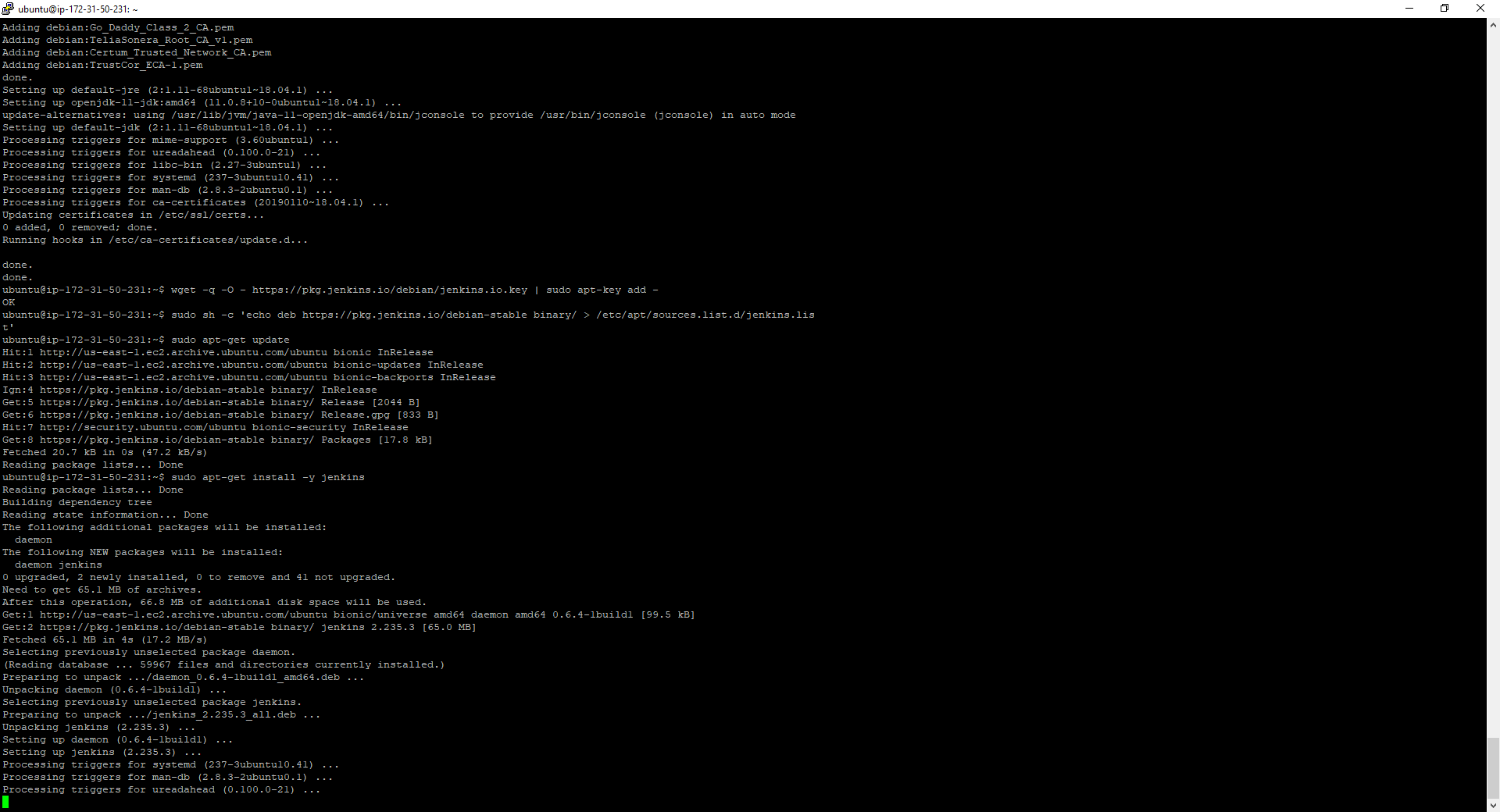
* Launch an instance for Jenkins
* Install Jenkins
* Install Plugins on Jenkins --Blue Ocean --AWS Plugin
* Install aws-cli,eksctl,kubectl
* Create Cluster and Nodes
* Dockerfile
* Jenkinsfile
* Pipeline

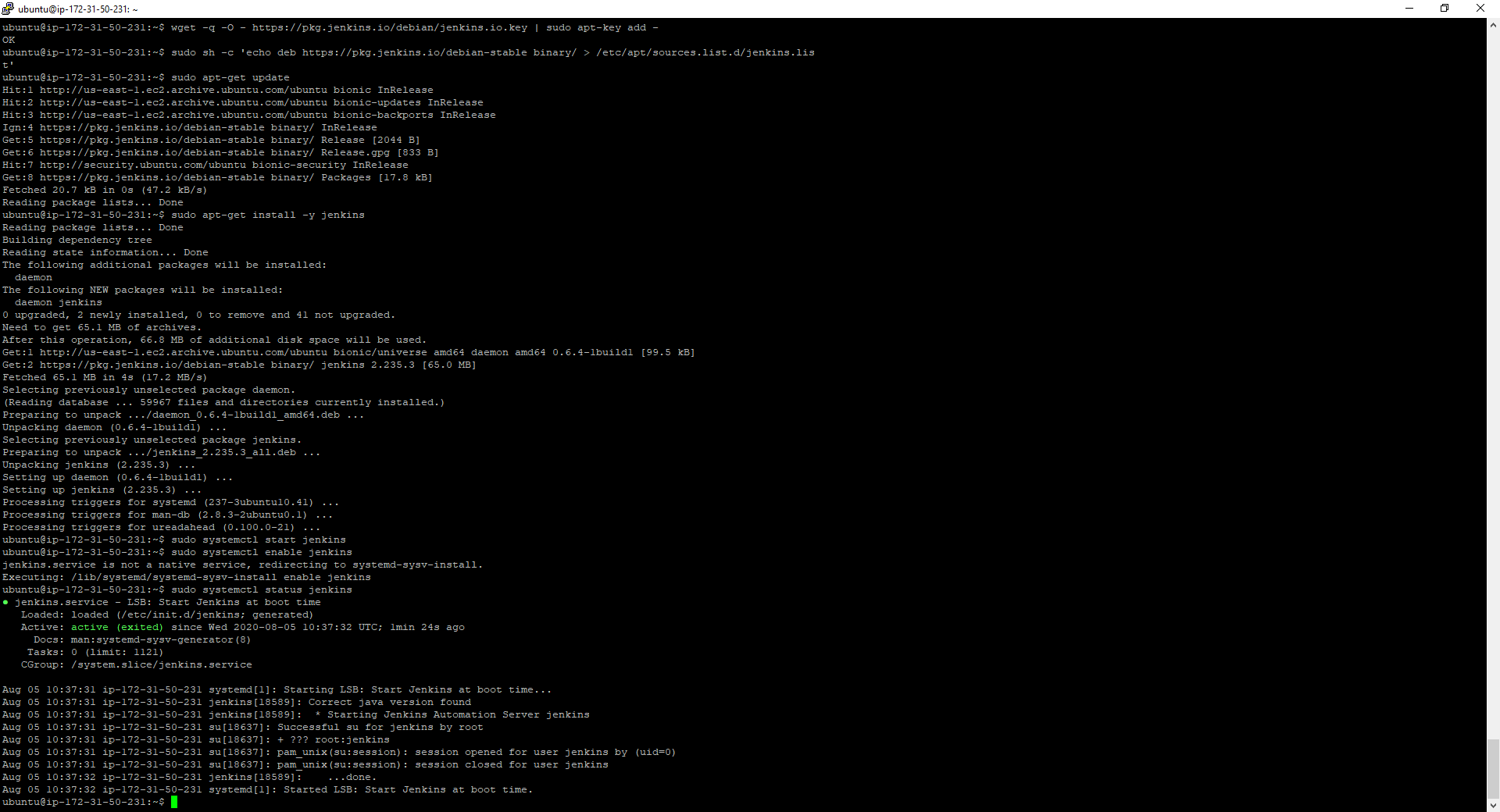
## Launch Instance



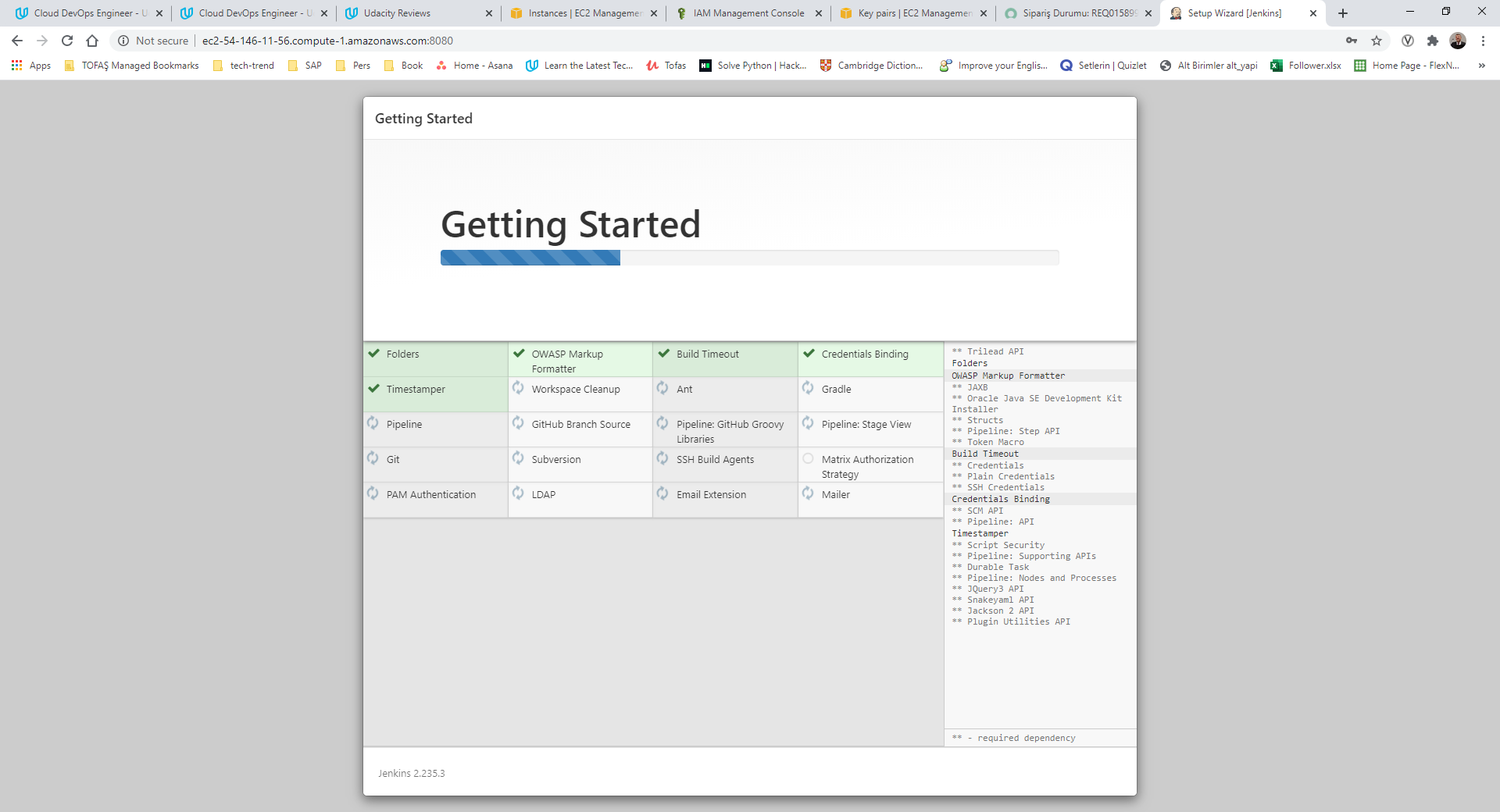
## Jenkins instalation



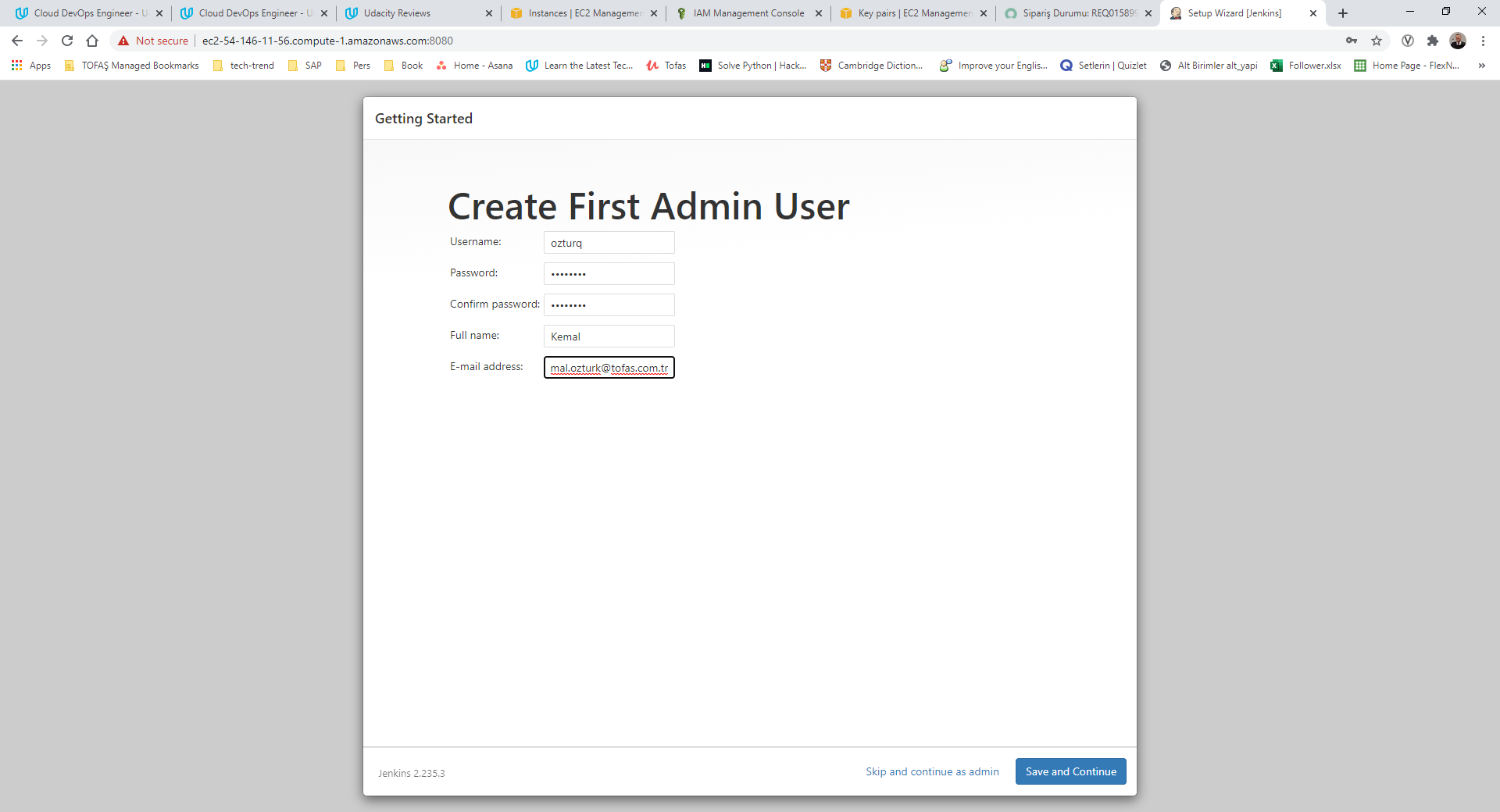


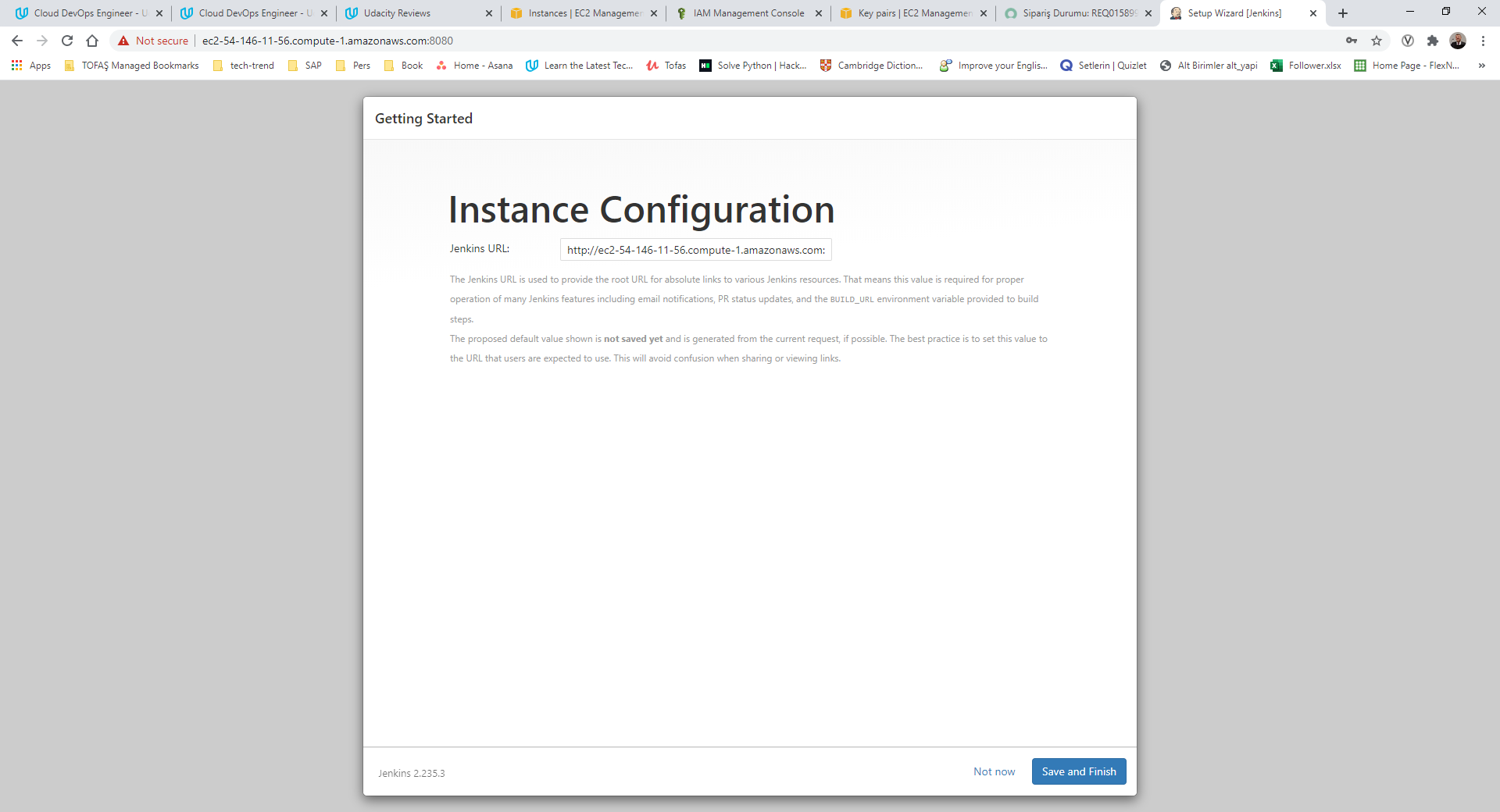


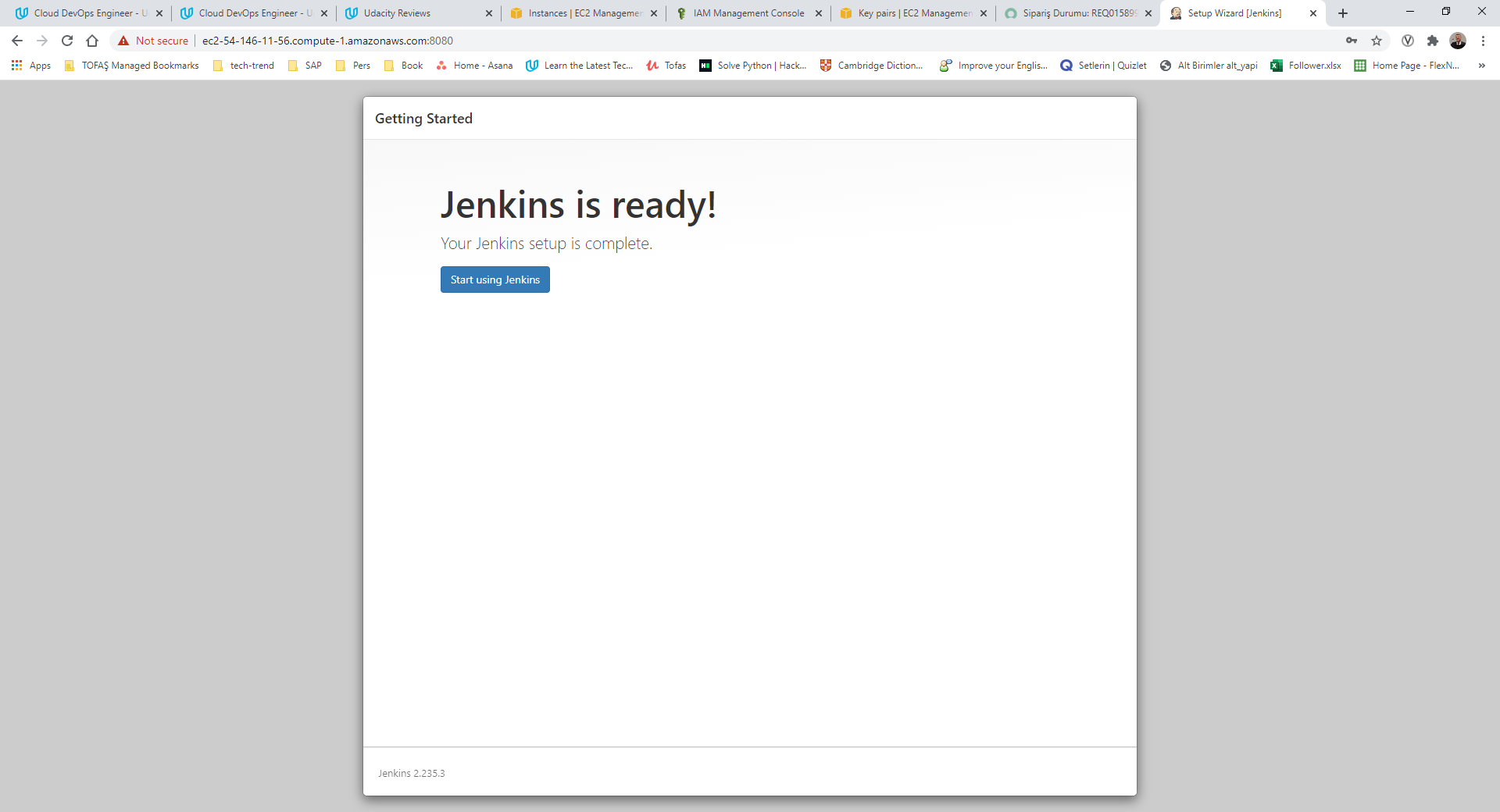
## Jenkins



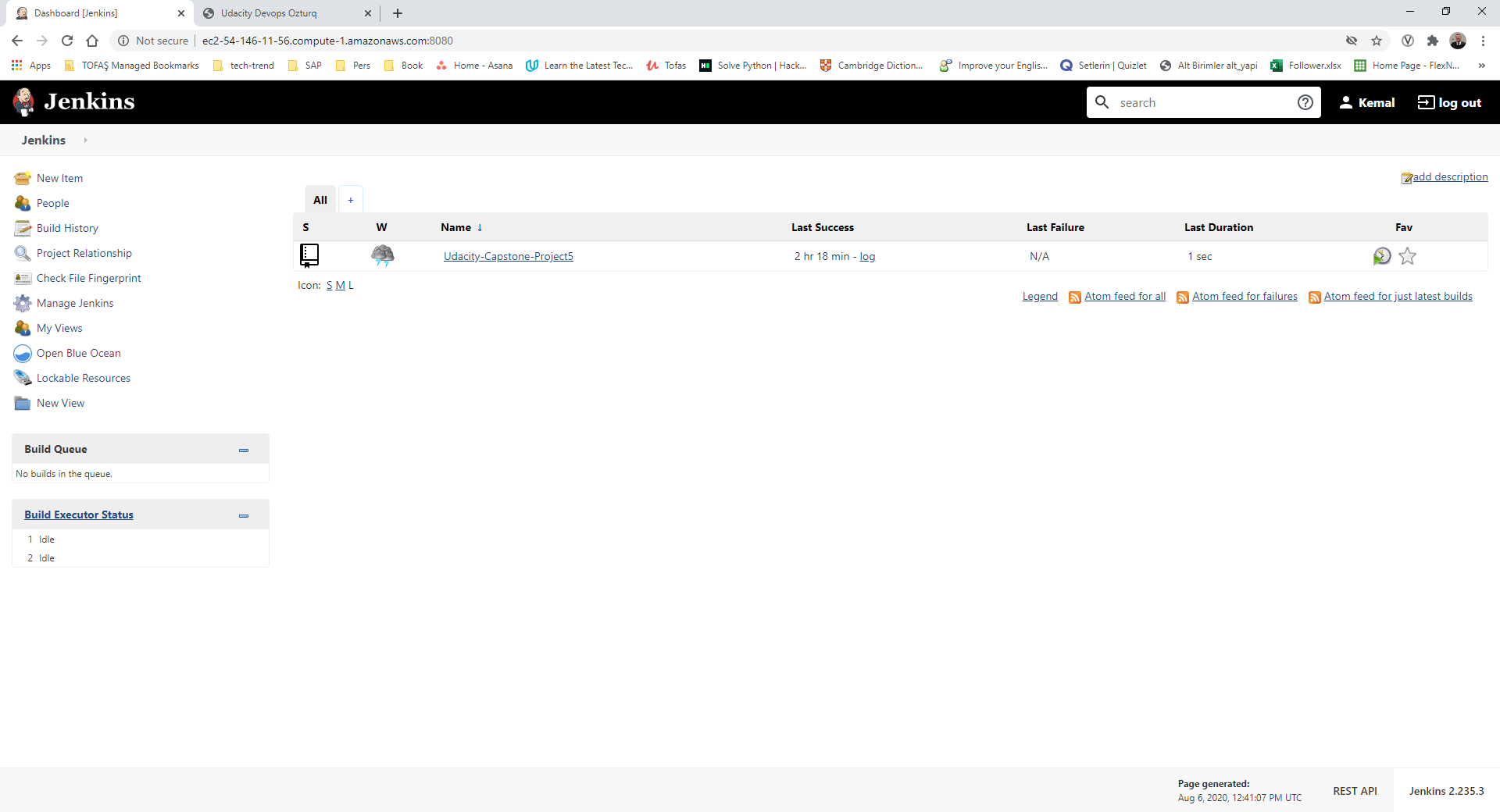
<http://ec2-54-146-11-56.compute-1.amazonaws.com:8080/>





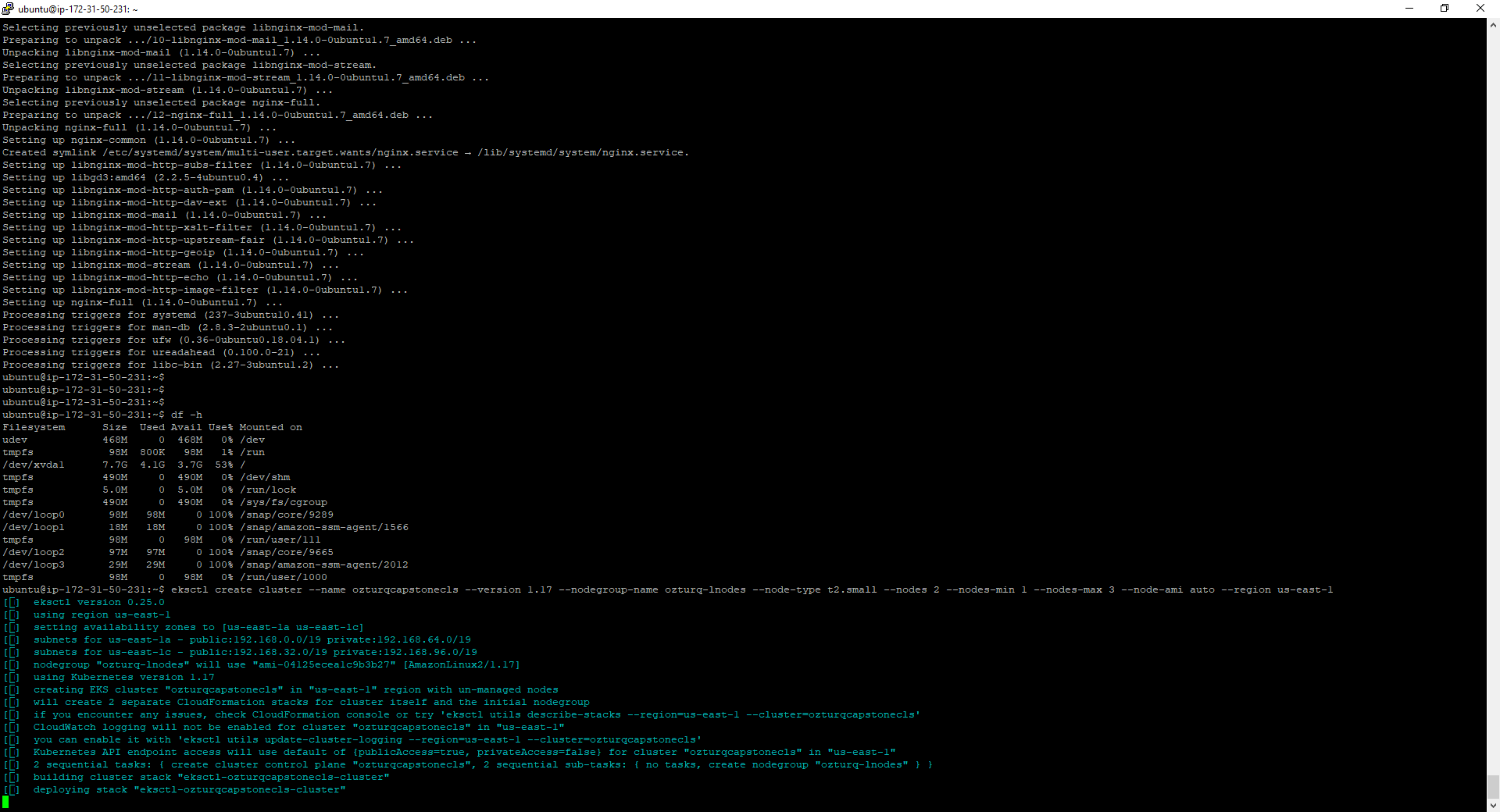


### Dashboard

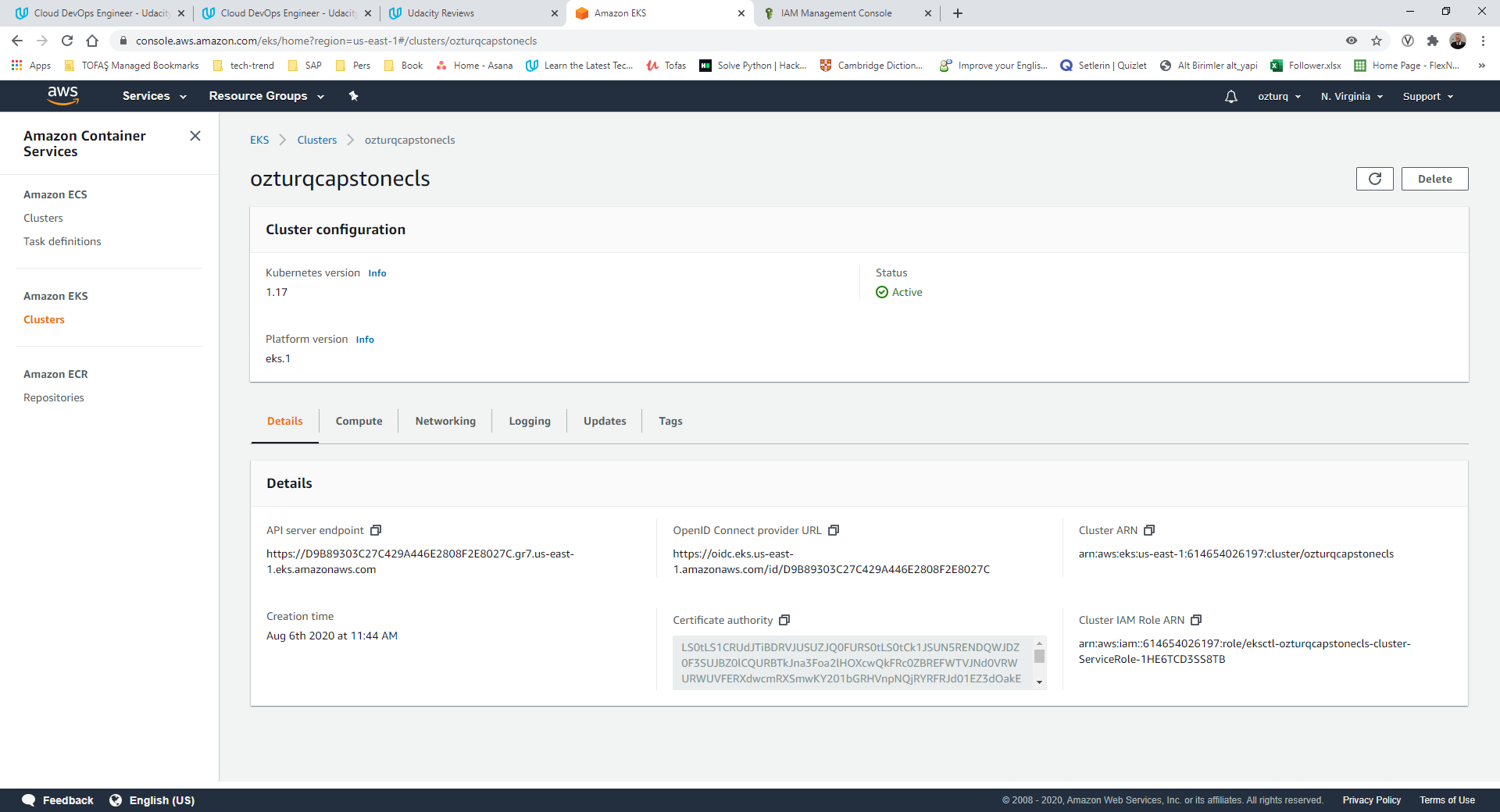


## AWS EKS

eksctl create cluster --name ozturqcapstonecls --version 1.17 --nodegroup-name ozturq-lnodes --node-type t2.small --nodes 2 --nodes-min 1 --nodes-max 3 --node-ami auto --region us-east-1

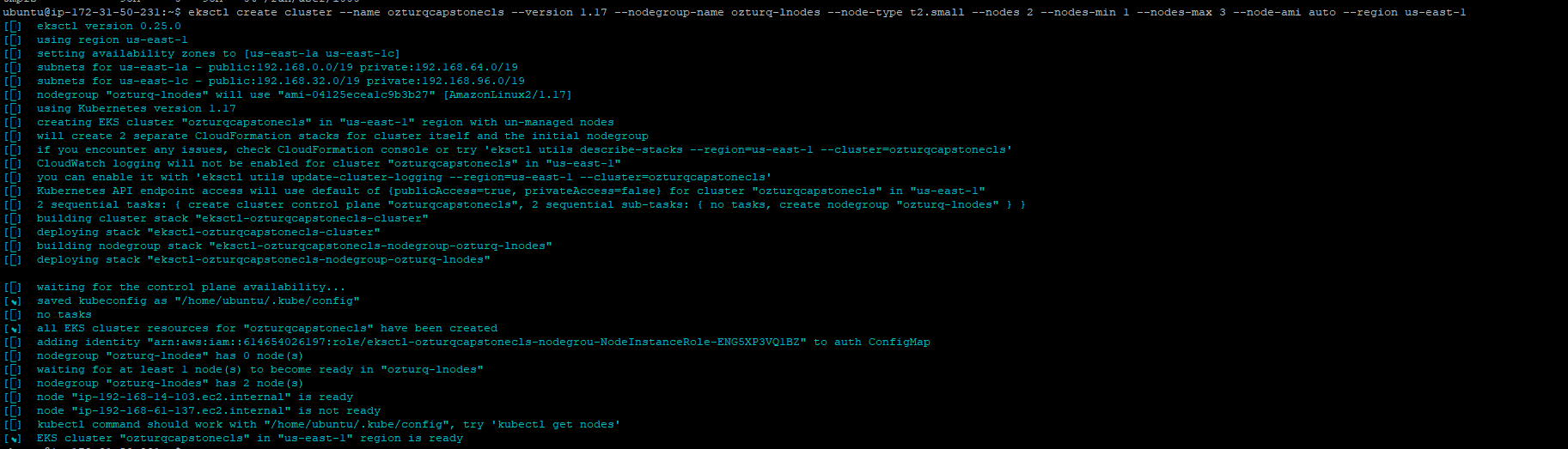


### EKS Cluster



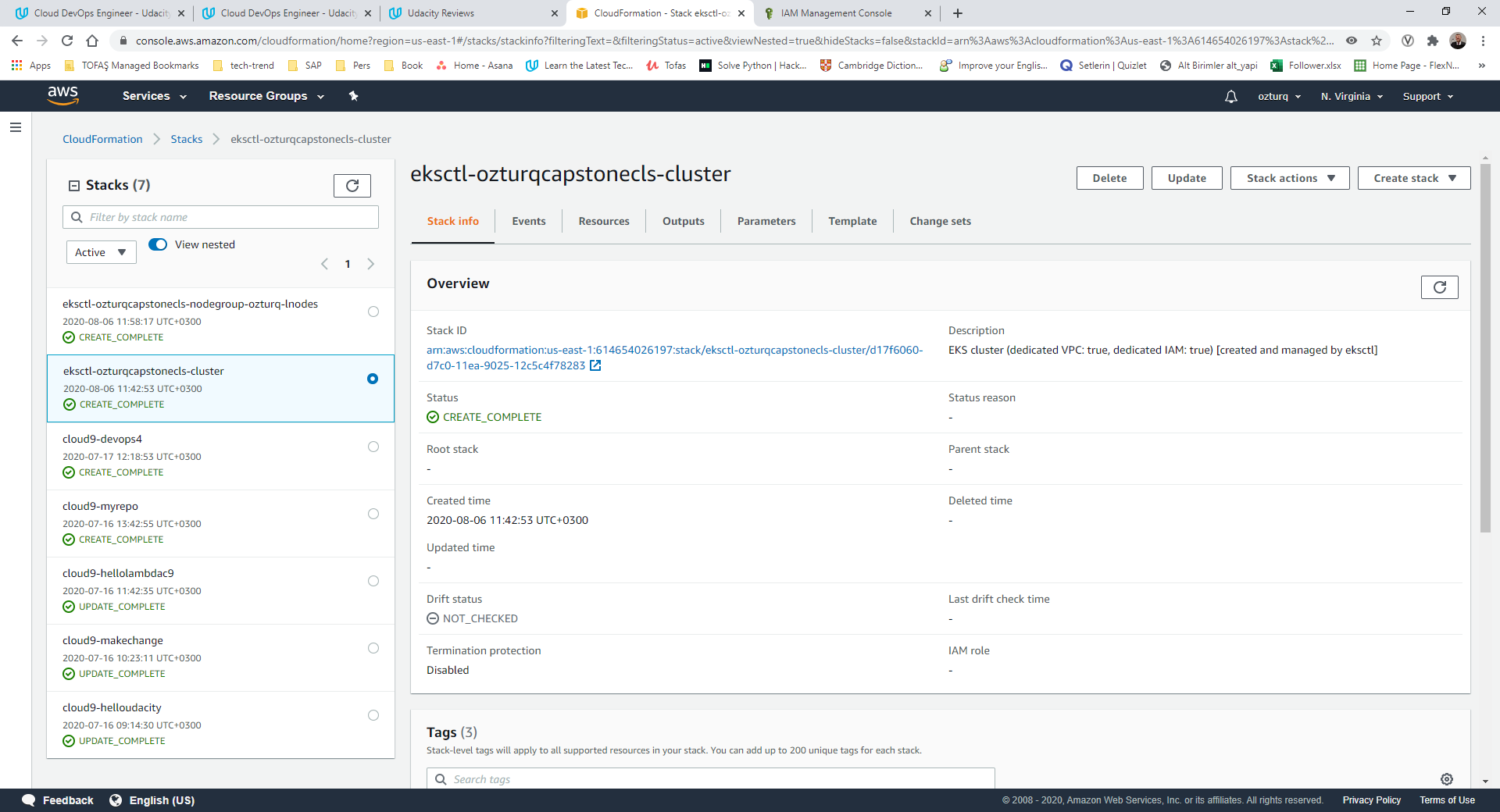
### EKS Ready message

EKS cluster "ozturqcapstonecls" in "us-east-1" region is ready

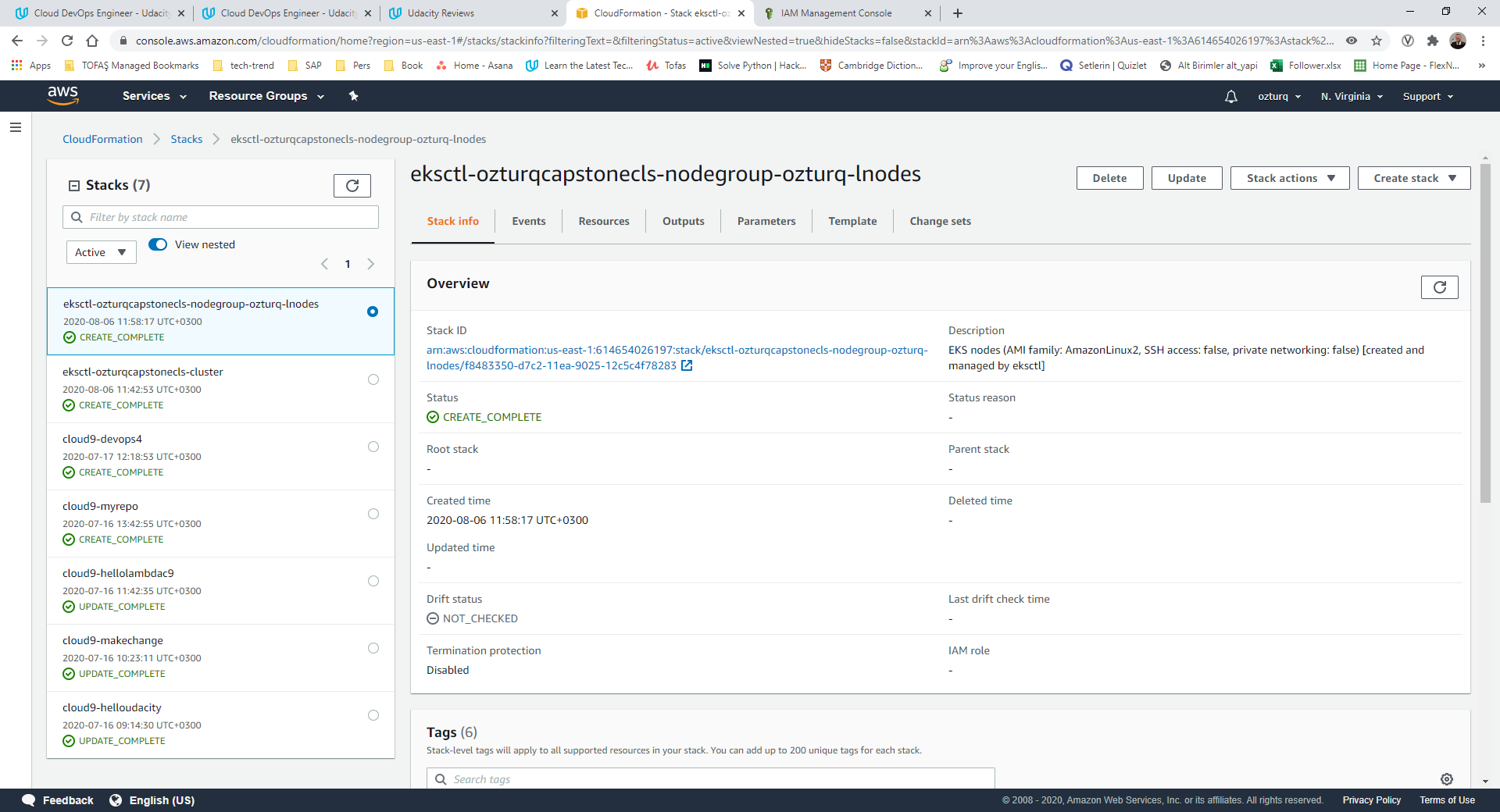


## Cloud Formation

### Cluster

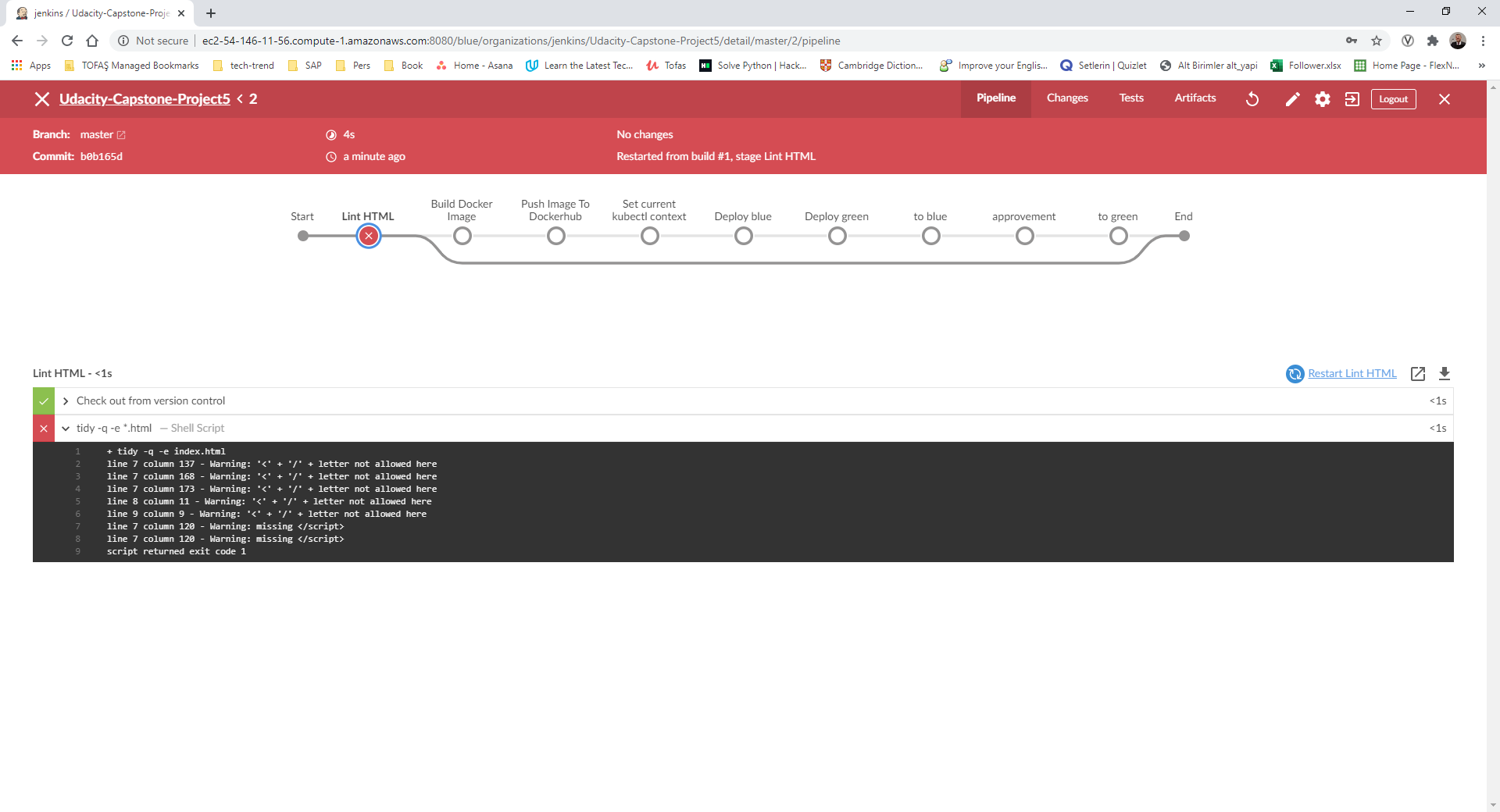


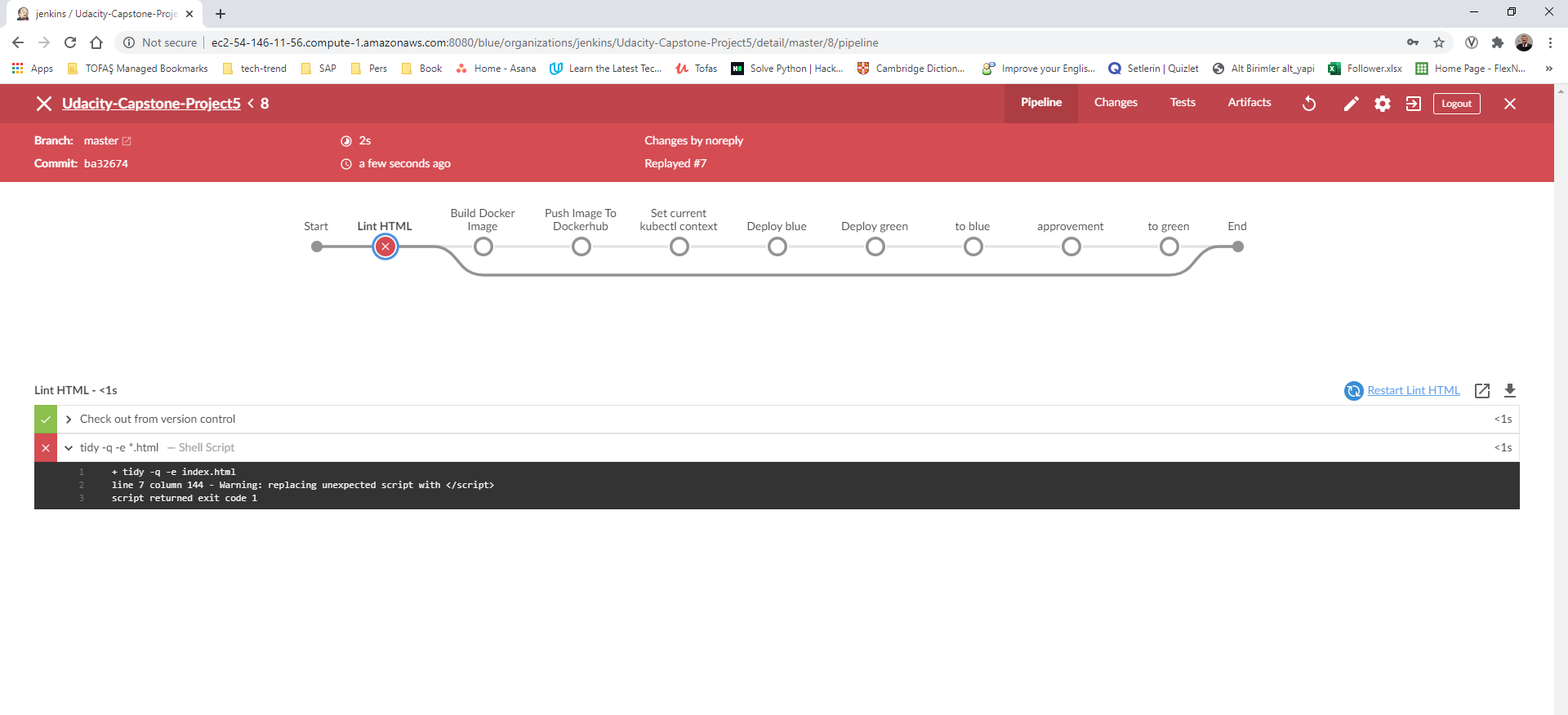
### Nodegroup



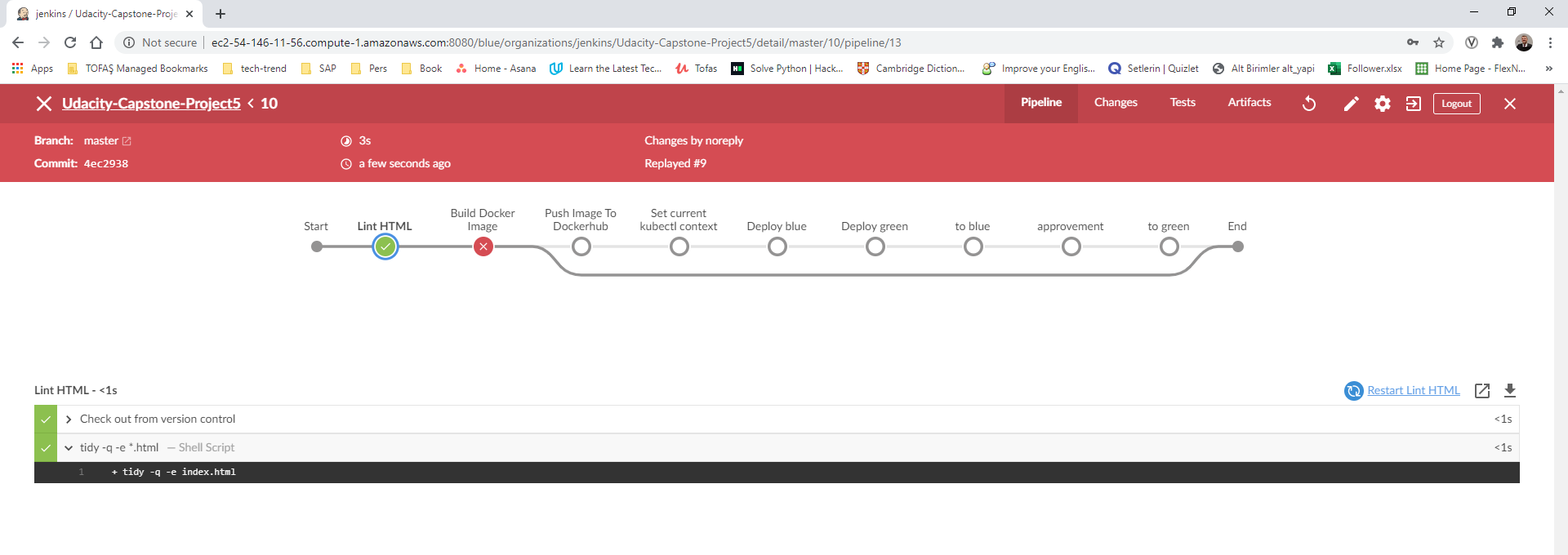
## Lint HTML

### Failed

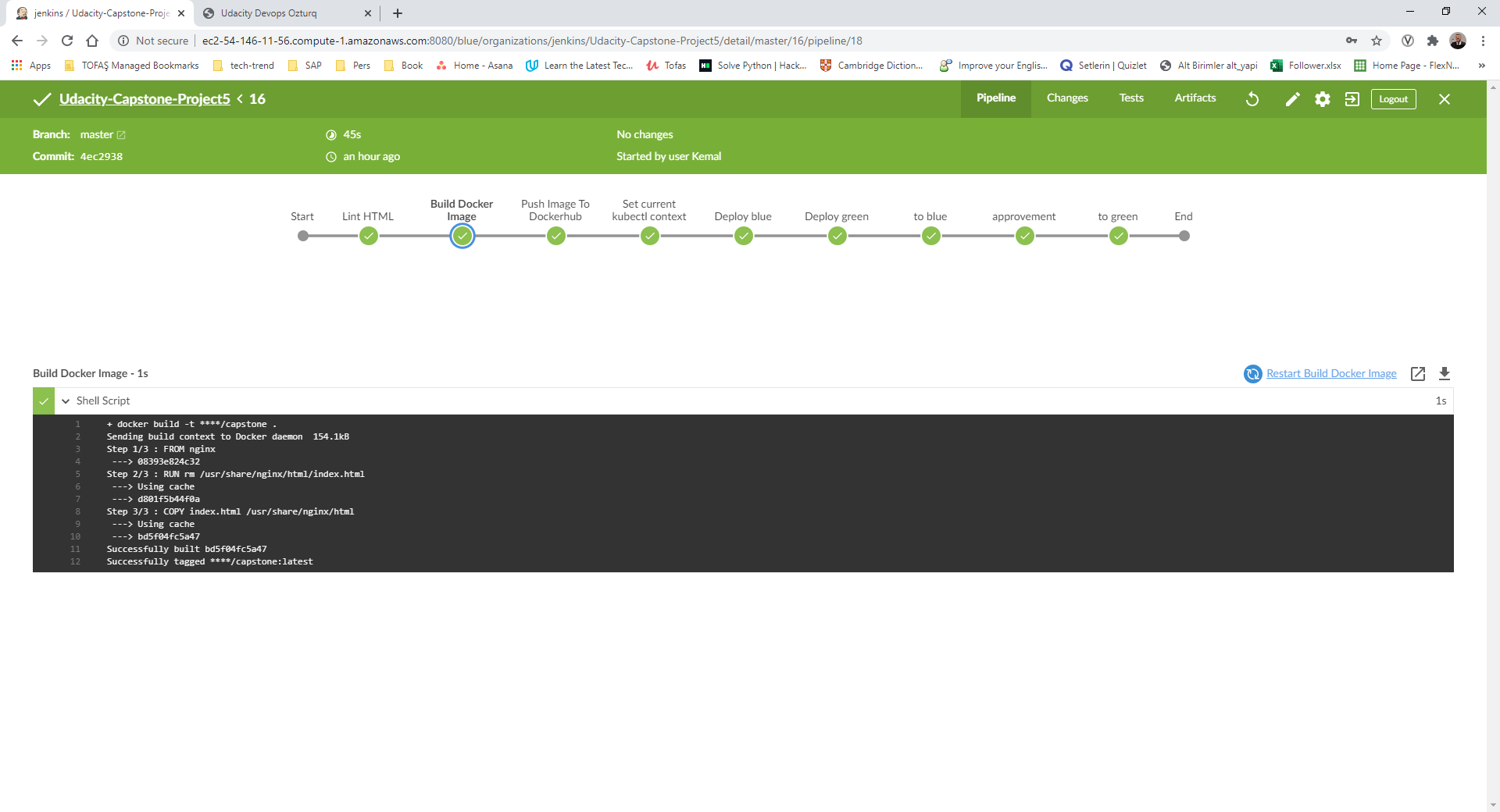




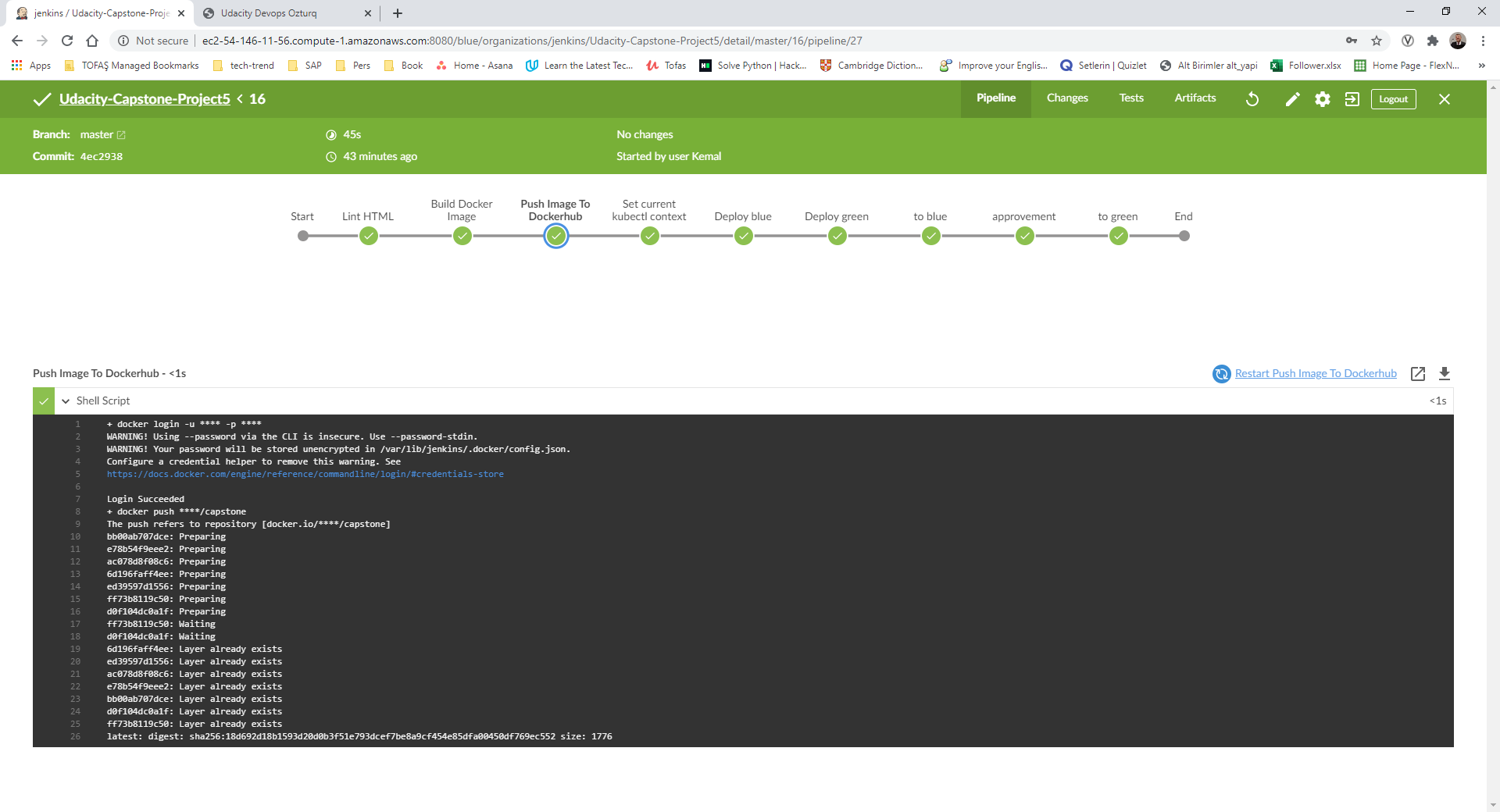
### Success



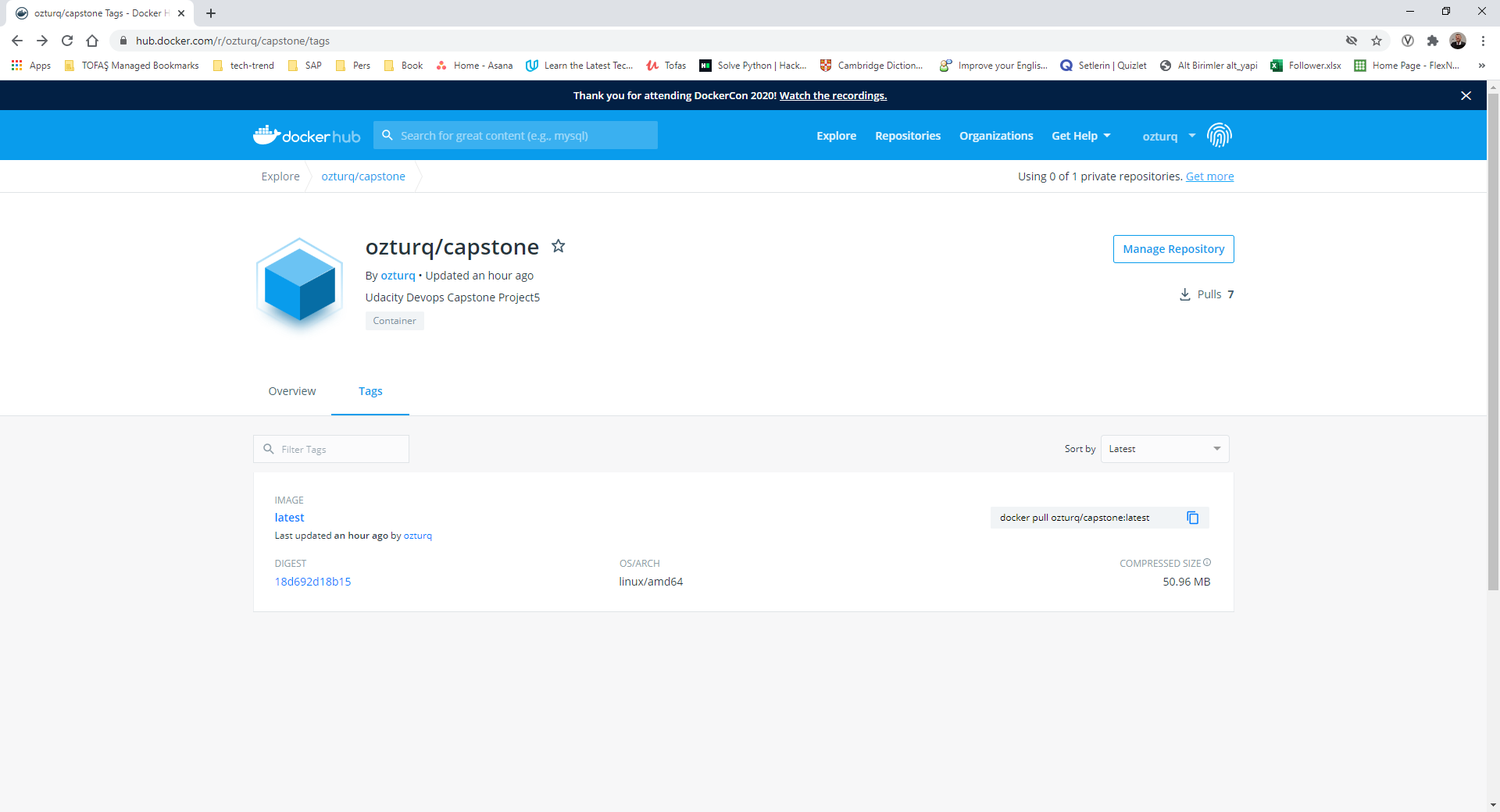
## Build Docker Image



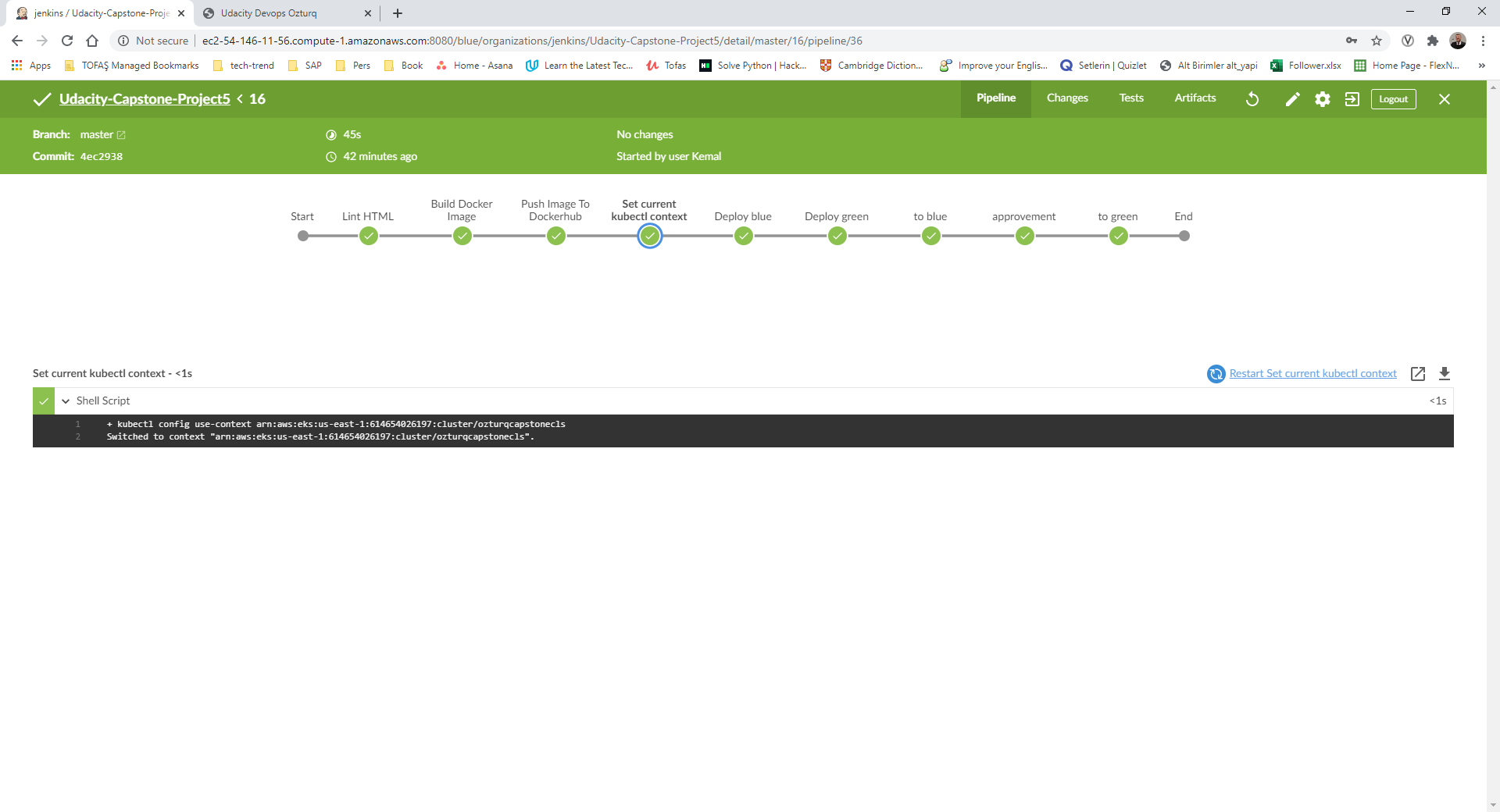
## Push image to dockerhub



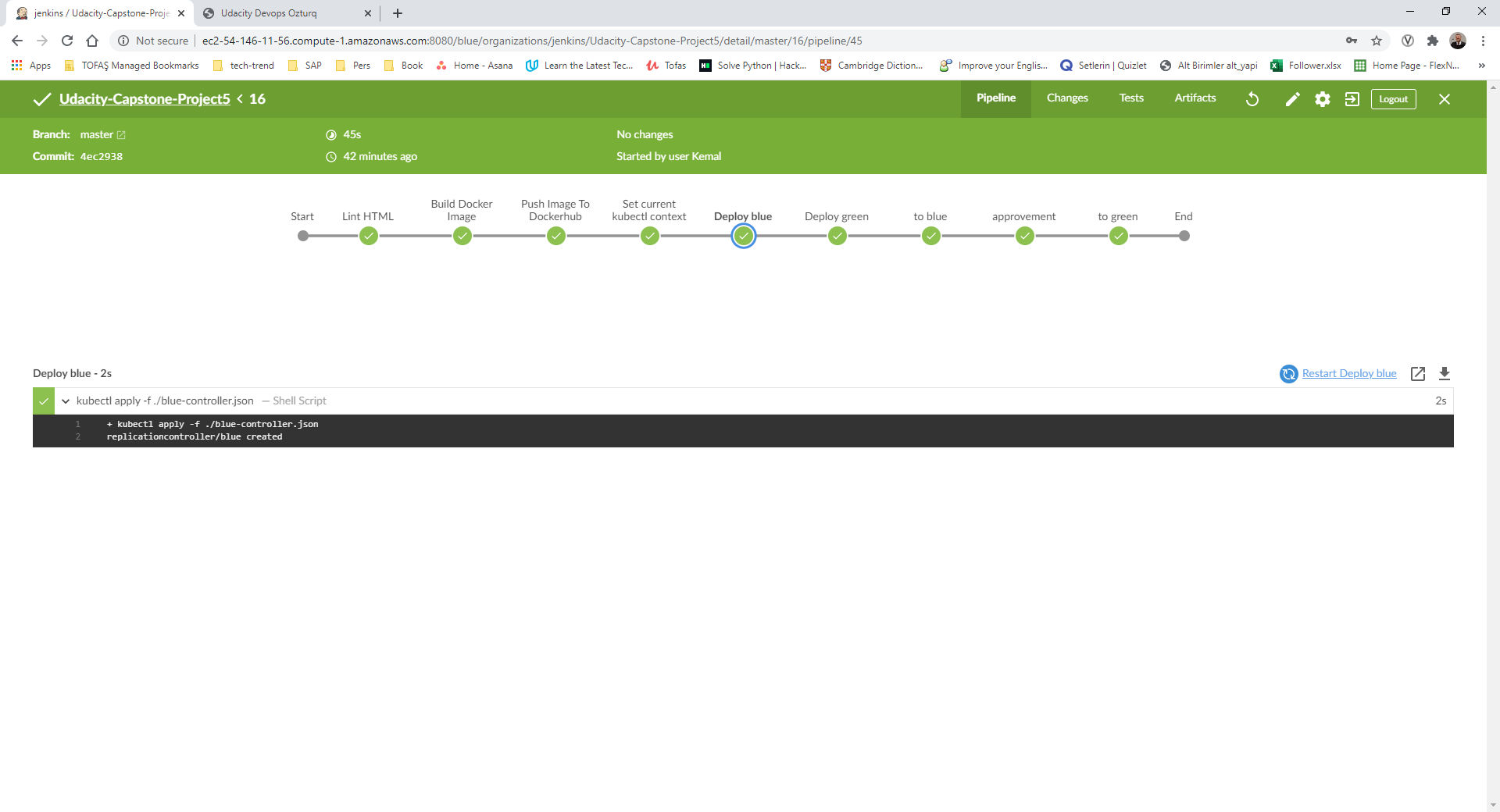
### Dockerhub



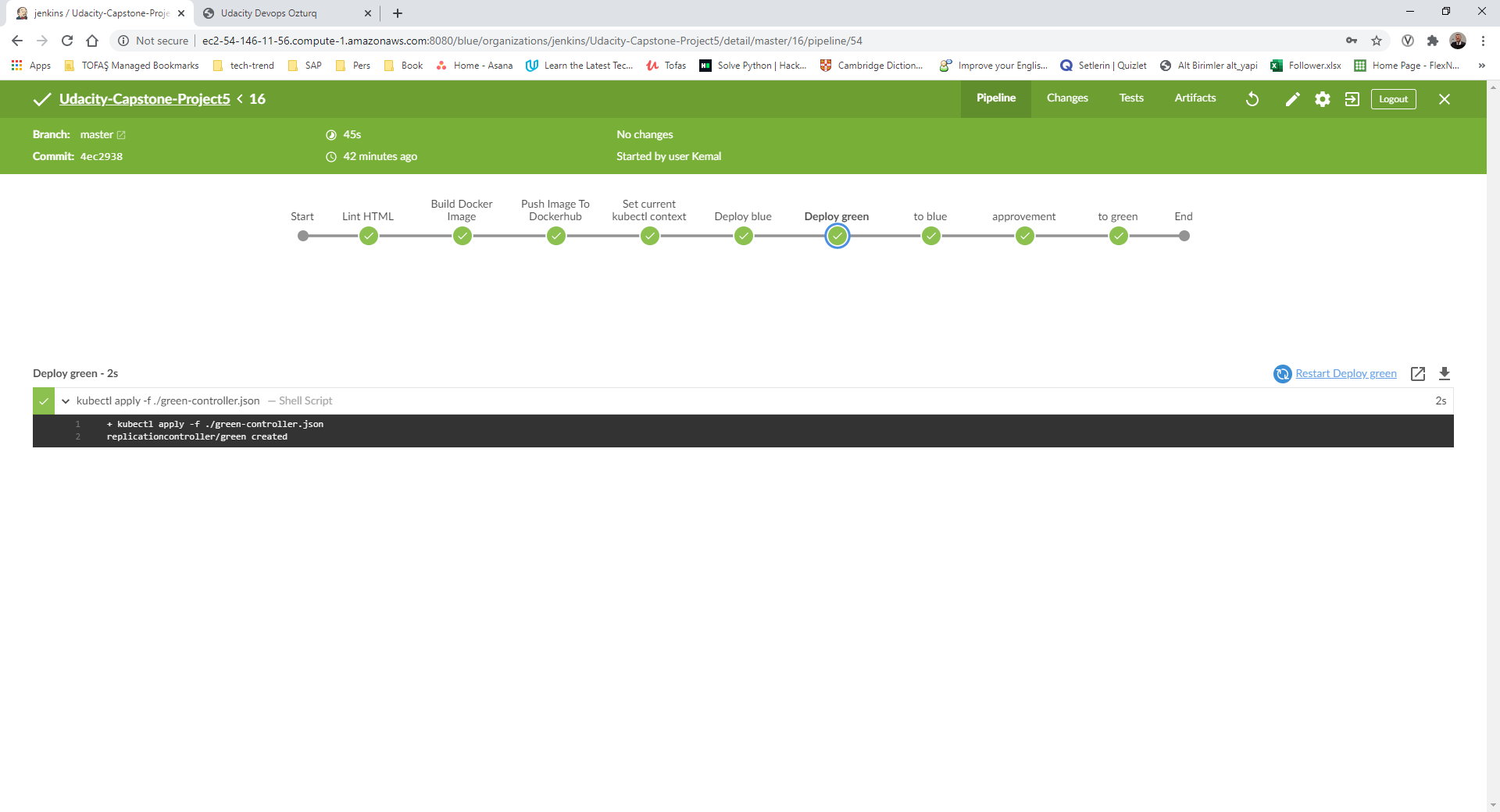
## Kubectl context



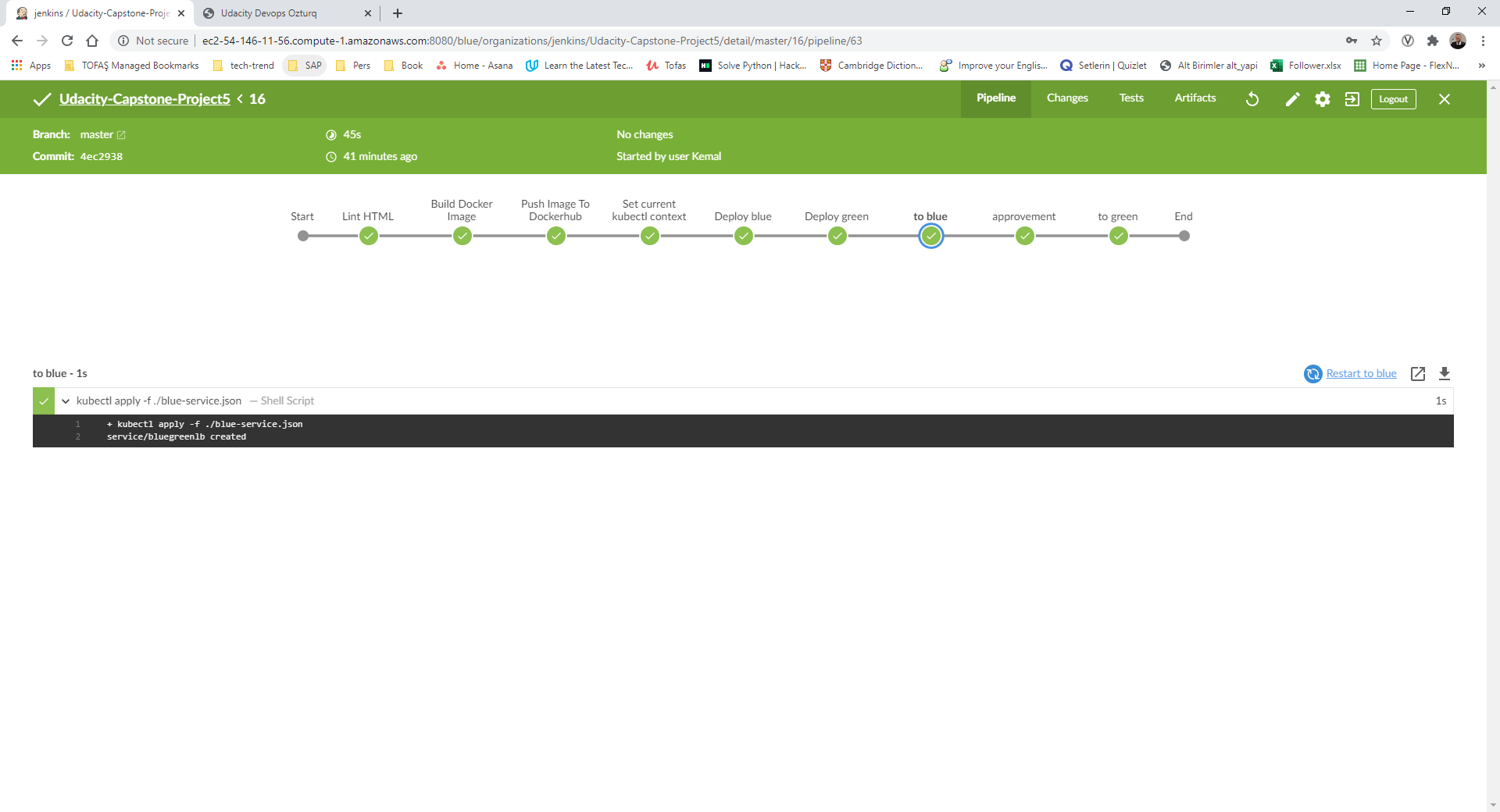
## Deploy blue



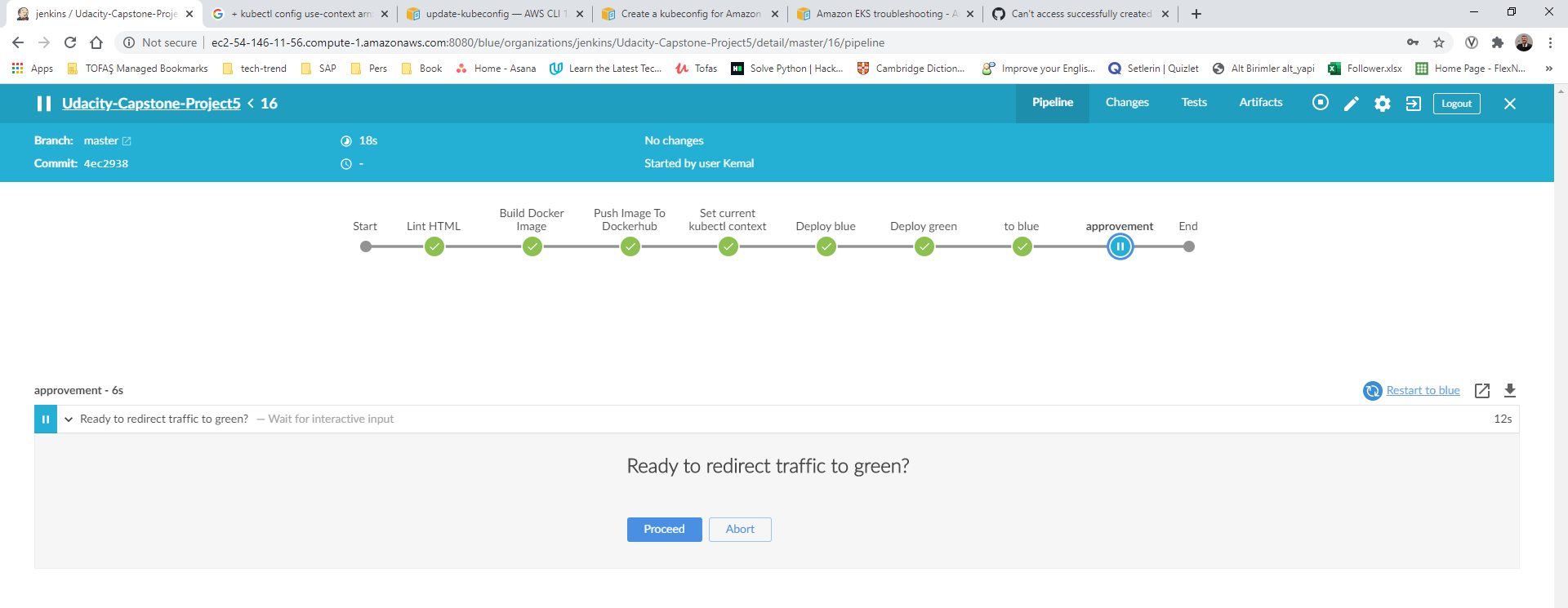
## Deploy green

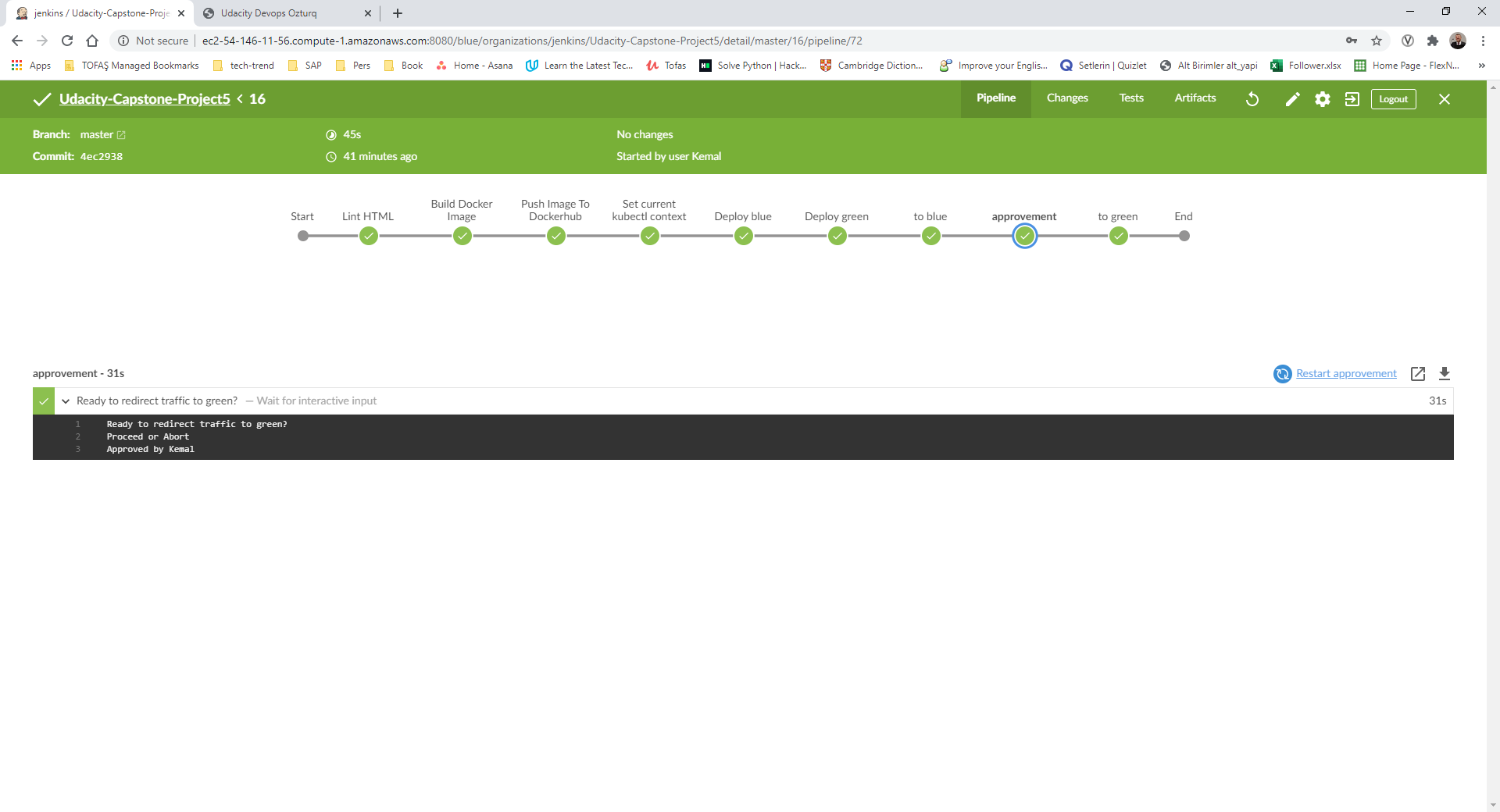


## To blue

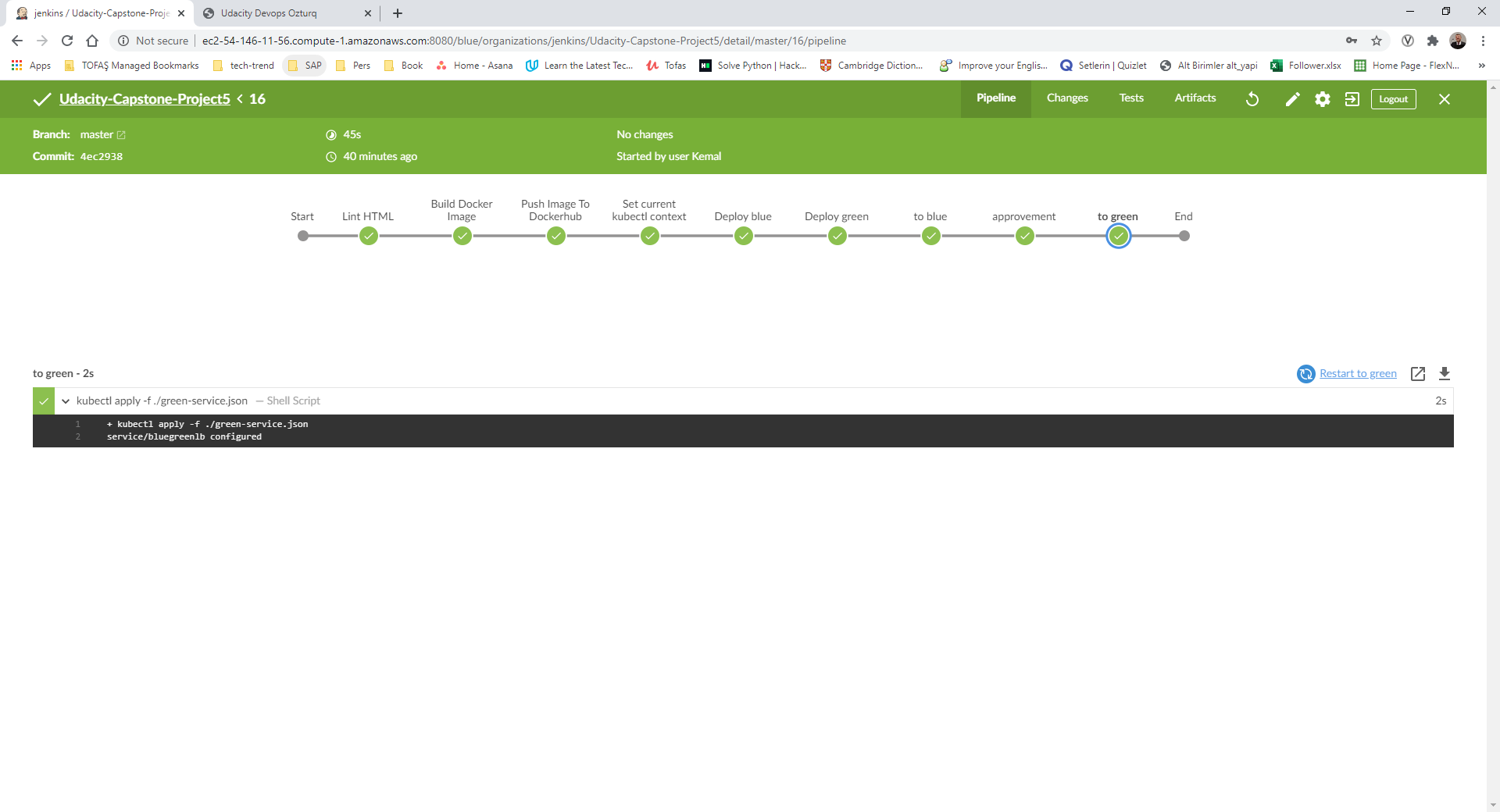


## Approve





## To green



## Website

<http://aa9e9f355138c41c5a48a6fff0b01565-1704206919.us-east-1.elb.amazonaws.com:8000/>

