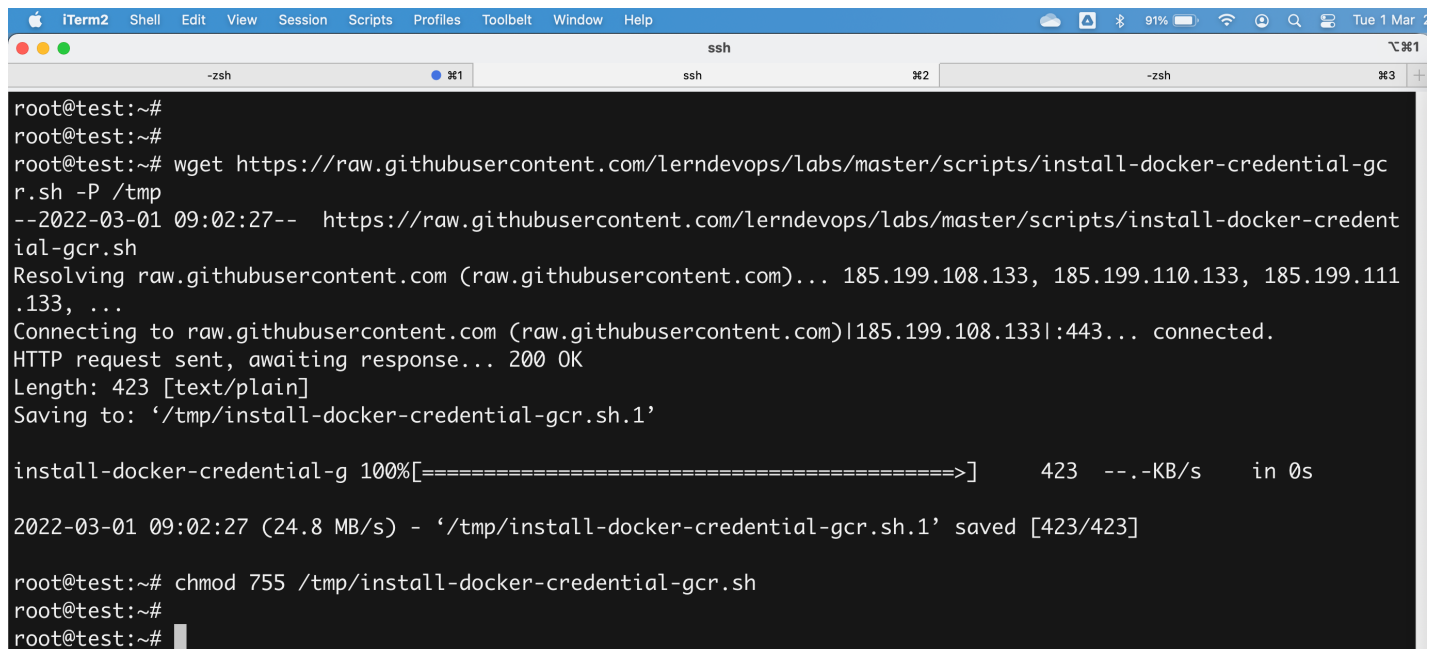


Authentication Process to GCR using “docker-credential-gcr” tool

Install “docker-credential-gcr” tool

- 1) `sudo su -`
- 2) `wget https://raw.githubusercontent.com/lerndevops/labs/master/scripts/install-docker-credential-gcr.sh -P /tmp`
- 3) `bash /tmp/install-docker-credential-gcr.sh`

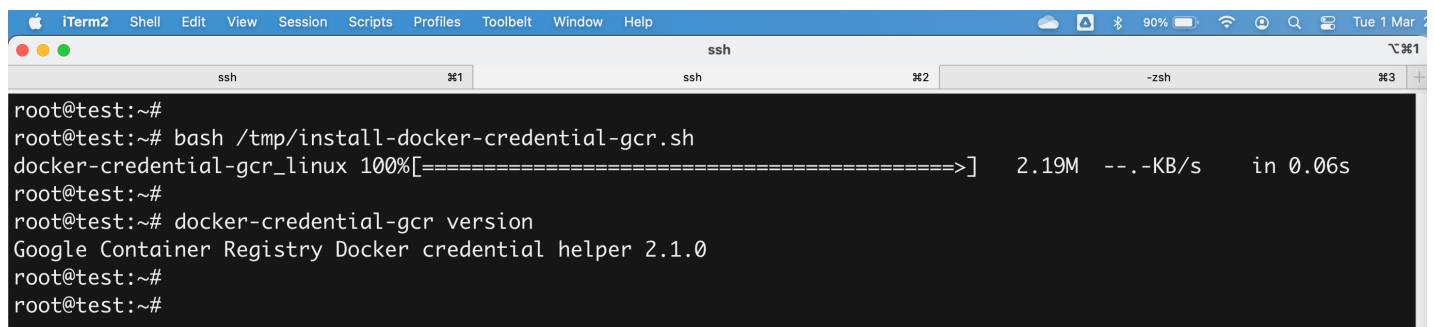


```
iTerm2 Shell Edit View Session Scripts Profiles Toolbelt Window Help
ssh
root@test:~#
root@test:~#
root@test:~# wget https://raw.githubusercontent.com/lerndevops/labs/master/scripts/install-docker-credential-gcr.sh -P /tmp
--2022-03-01 09:02:27-- https://raw.githubusercontent.com/lerndevops/labs/master/scripts/install-docker-credential-gcr.sh
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.108.133, 185.199.110.133, 185.199.111.133, ...
Connecting to raw.githubusercontent.com (raw.githubusercontent.com)|185.199.108.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 423 [text/plain]
Saving to: '/tmp/install-docker-credential-gcr.sh.1'

install-docker-credential-g 100%[=====>]      423  --.-KB/s    in 0s

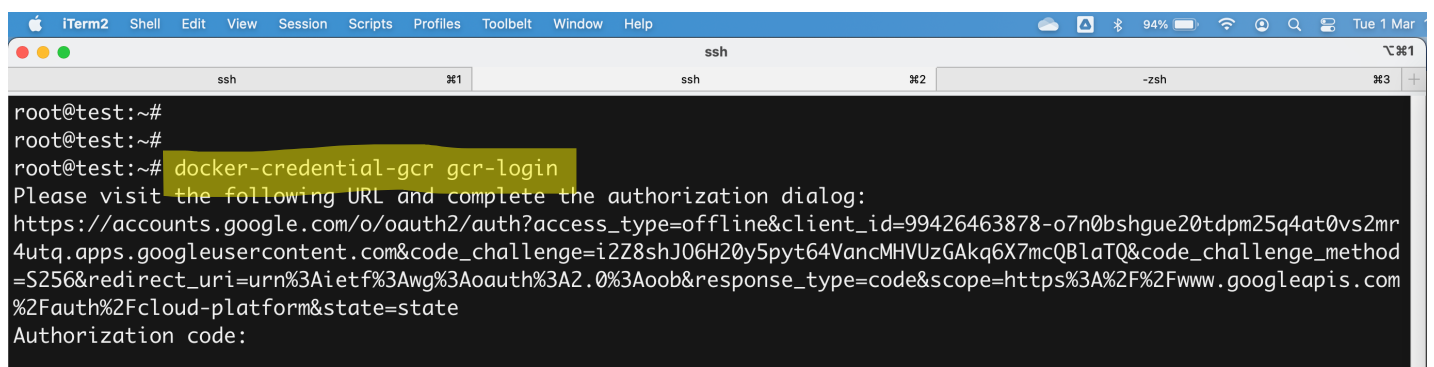
2022-03-01 09:02:27 (24.8 MB/s) - '/tmp/install-docker-credential-gcr.sh.1' saved [423/423]

root@test:~# chmod 755 /tmp/install-docker-credential-gcr.sh
root@test:~#
root@test:~#
```



```
iTerm2 Shell Edit View Session Scripts Profiles Toolbelt Window Help
ssh
root@test:~#
root@test:~# bash /tmp/install-docker-credential-gcr.sh
docker-credential-gcr_linux 100%[=====>]    2.19M  --.-KB/s    in 0.06s
root@test:~#
root@test:~# docker-credential-gcr version
Google Container Registry Docker credential helper 2.1.0
root@test:~#
root@test:~#
```

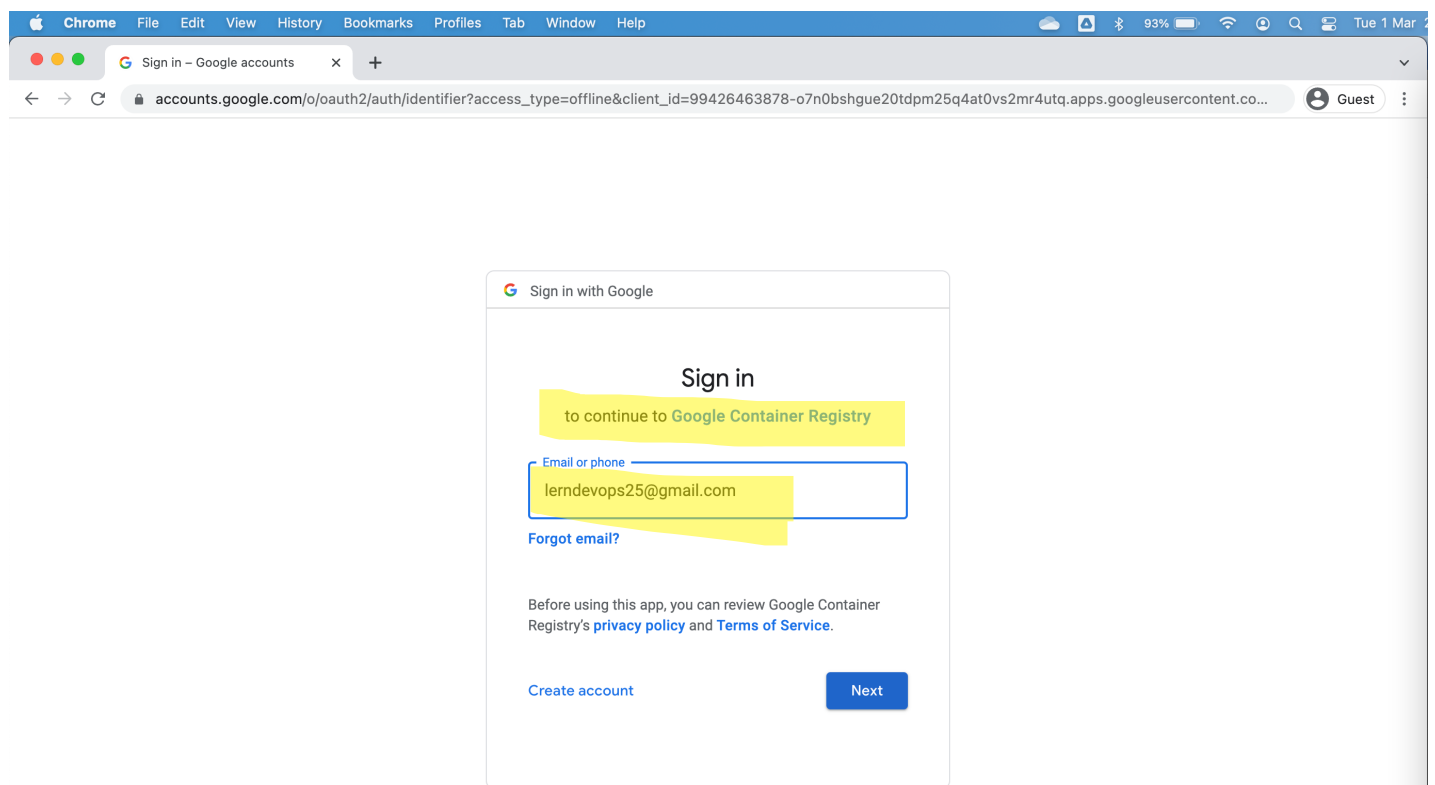
login to GCR → docker-credential-gcr gcr-login



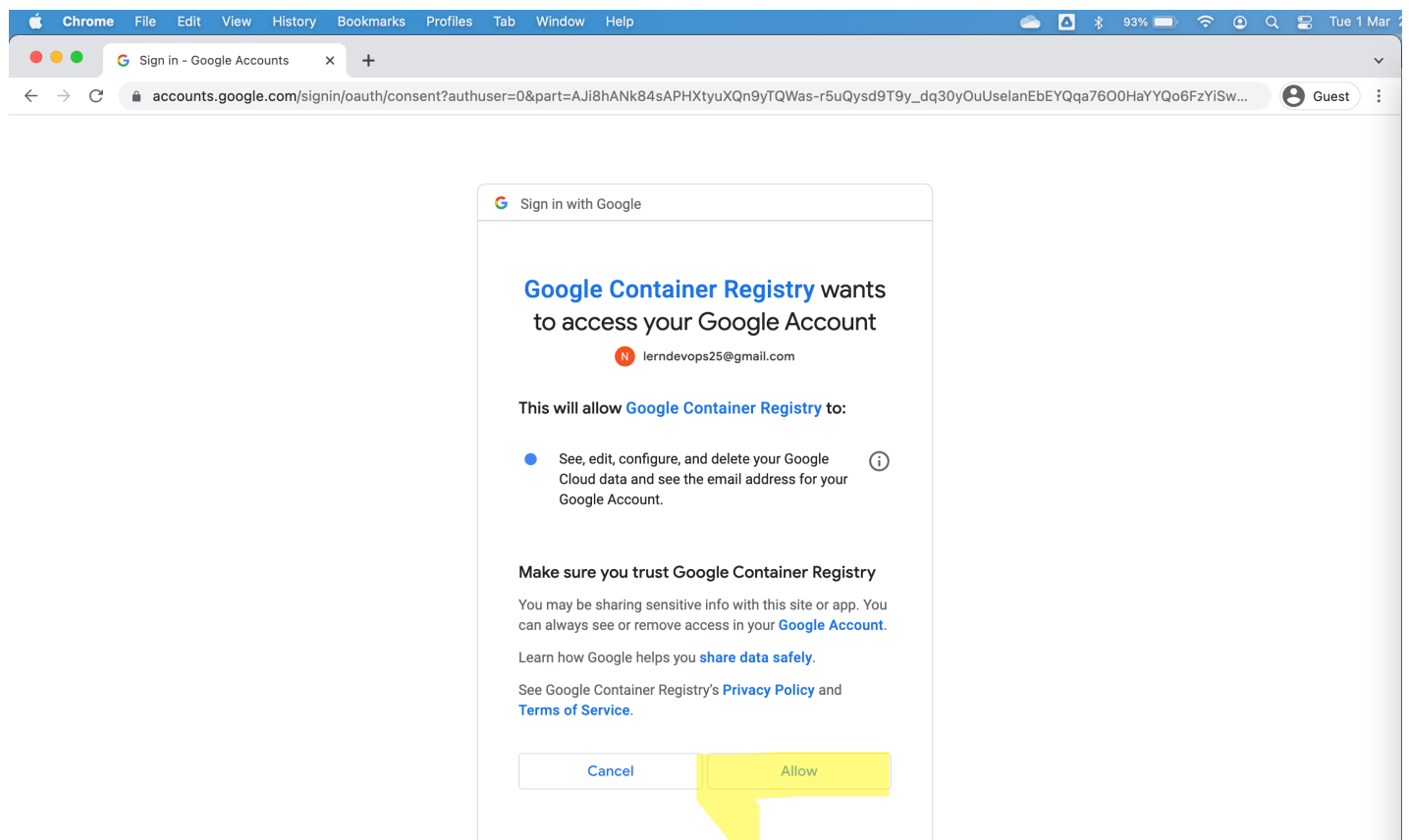
```
iTerm2 Shell Edit View Session Scripts Profiles Toolbelt Window Help
ssh
root@test:~#
root@test:~#
root@test:~# docker-credential-gcr gcr-login
Please visit the following URL and complete the authorization dialog:
https://accounts.google.com/o/oauth2/auth?access_type=offline&client_id=99426463878-o7n0bshgue20tdpm25q4at0vs2mr4utq.apps.googleusercontent.com&code_challenge=i2Z8shJ06H20y5pyt64VancMHVUzGAKq6X7mcQBlaTQ&code_challenge_method=S256&redirect_uri=urn%3Aietf%3Aawg%3Aoauth%3A2.0%3Aaob&response_type=code&scope=https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcloud-platform&state=state
Authorization code:
```

Launch Browser & run the URL generated in above section

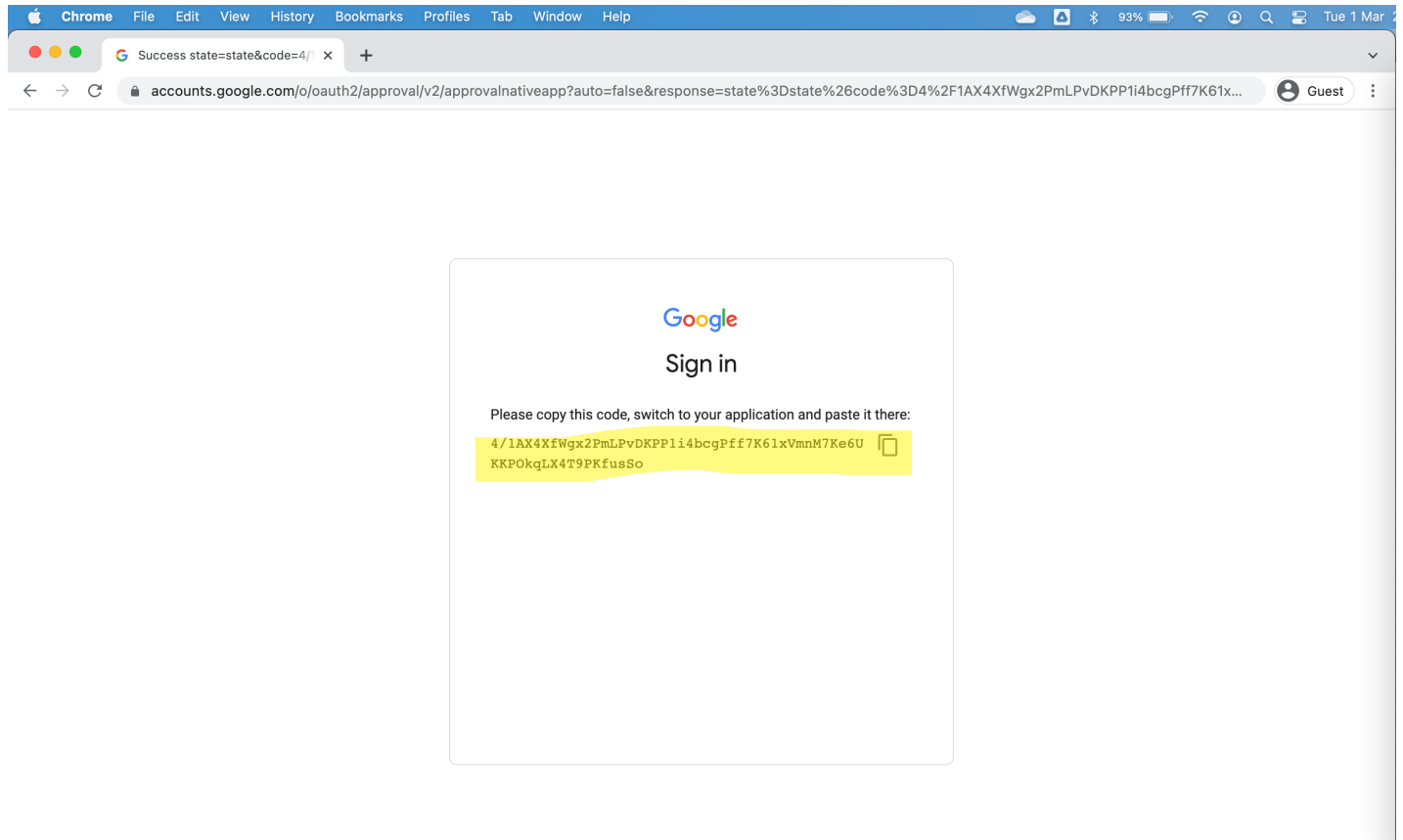
use your google cloud platform login credentials to login



One You enter the username & password you will see below screen - click on allow

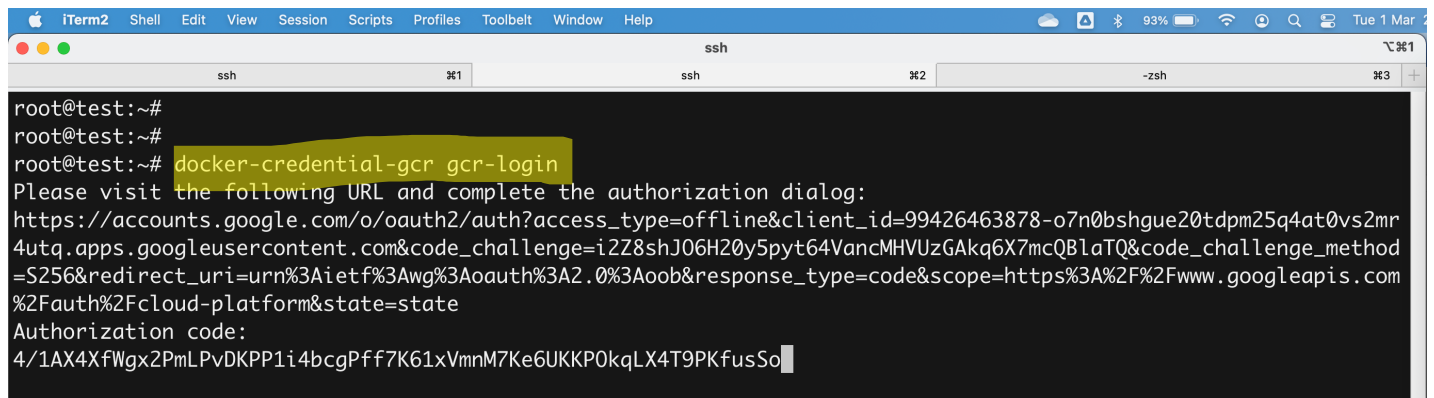


COPY the token generated

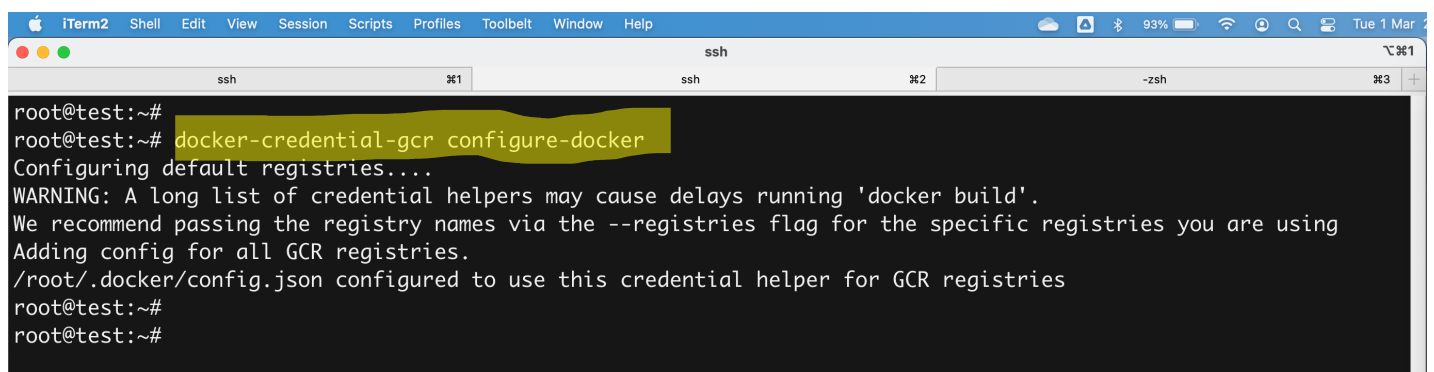


come back to your terminal & paste the token then press enter

your credentials are set



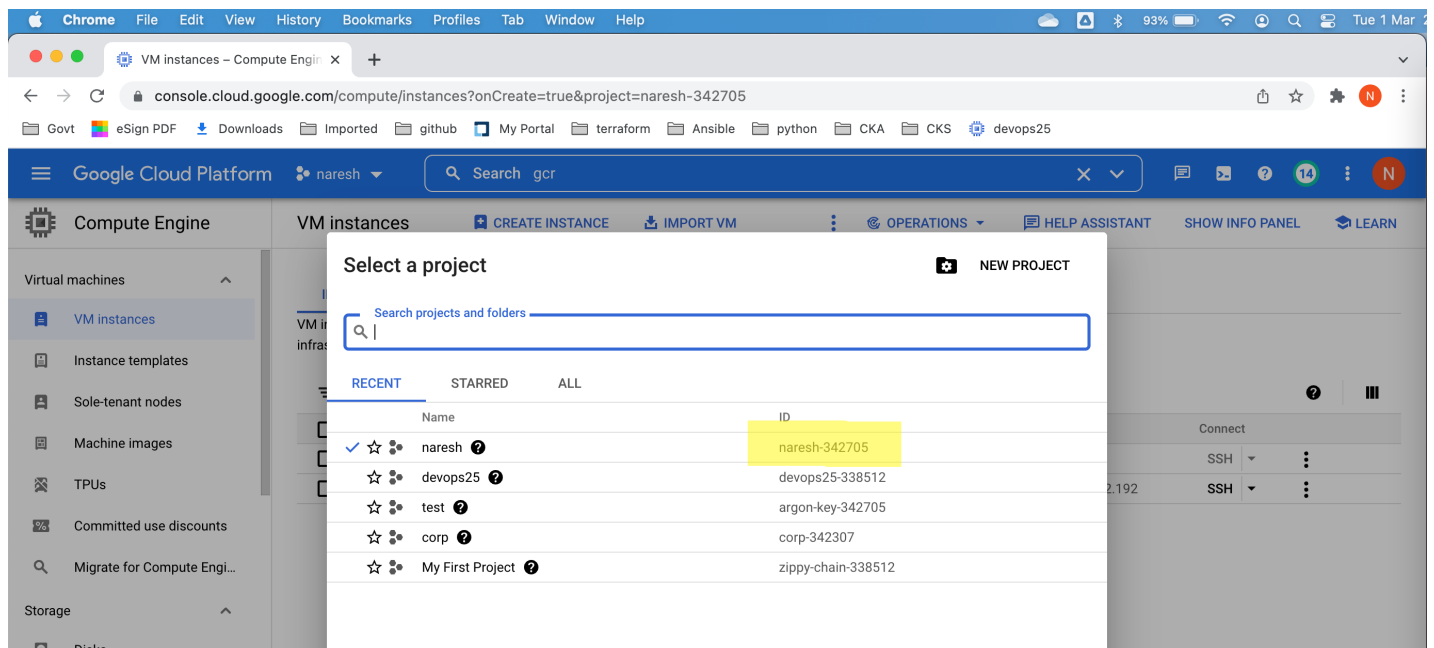
run docker-credential-gcr configure-docker to set the registries



check the registries configured

```
root@test:~#  
root@test:~# cat /root/.docker/config.json  
{  
  "auths": {},  
  "credHelpers": {  
    "asia.gcr.io": "gcr",  
    "eu.gcr.io": "gcr",  
    "gcr.io": "gcr",  
    "marketplace.gcr.io": "gcr",  
    "us.gcr.io": "gcr"  
  }  
}  
root@test:~#
```

get your google cloud project id where the gcr is enabled



tag & Push the Image to GCR

```
root@test:~#  
root@test:~# docker pull alpine  
Using default tag: latest  
latest: Pulling from library/alpine  
Digest: sha256:21a3deaa0d32a8057914f36584b5288d2e5ecc984380bc0118285c70fa8c9300  
Status: Image is up to date for alpine:latest  
docker.io/library/alpine:latest  
root@test:~#  
root@test:~# docker tag alpine:latest gcr.io/naresh-342705/myalpine:v1  
root@test:~#  
root@test:~# docker push gcr.io/naresh-342705/myalpine:v1  
The push refers to repository [gcr.io/naresh-342705/myalpine]  
8d3ac3489996: Layer already exists  
v1: digest: sha256:e7d88de73db3df9b2d63aa7f447a10fd0220b7cbf39803c803f2af9ba256b3 size: 528  
root@test:~#  
root@test:~#
```

ChromeFileEditViewHistoryBookmarksProfilesTabWindowHelp

Repositories – Container Regis x

console.cloud.google.com/gcr/images/naresh-342705?project=naresh-342705

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Google Cloud PlatformnareshSearchProducts, resources, docs (/)

Container Registry

Images

Settings

Repositories

naresh

Filter Enter property name or value

Name ↑	Hostname ?	Visibility ?
alpine	gcr.io	Private
myalpine	gcr.io	Private

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