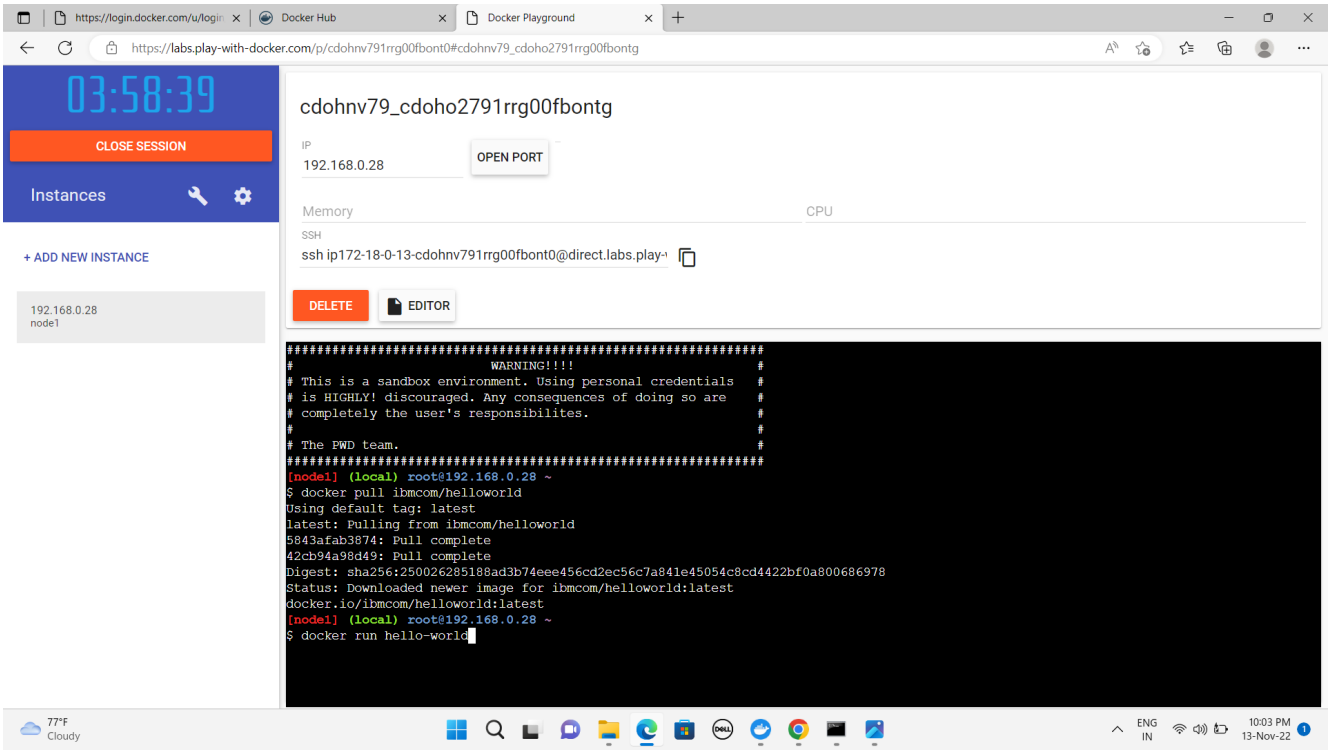
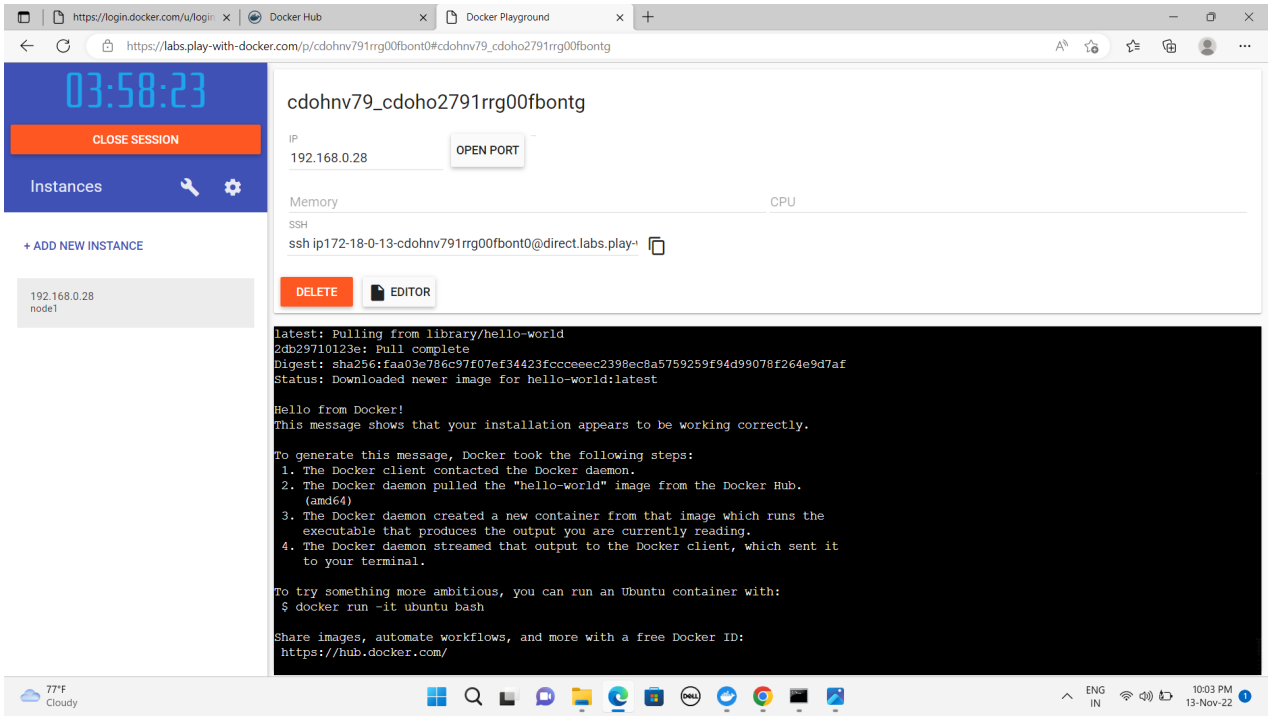
ASSIGNMENT 4

TEAM ID	PNT2022TMID07434
PROJECT NAME	NUTRITION ASSISTANT APPLICATION
TEAM LEADER	BURRU HEMASAI
TEAM MEMBERS	T.Kodanda Ramudu K.ChennaKeshava Reddy S.HariPrakash

1. Pull an image from docker hub and run it in docker playground.





2. Create a docker file for the jobportal application and deploy it in Docker desktop application.

```
FROM python:3.8-buster

WORKDIR /app

COPY requirements.txt /app/

RUN pip install -r requirements.txt

COPY . /app/

RUN cp .env.dev.sample .env

EXPOSE 8000

RUN chmod +x entrypoint.sh

CMD ["sh", "entrypoint.sh"]
```

FROM helloworld:latest

WORKDIR ~/Desktop/

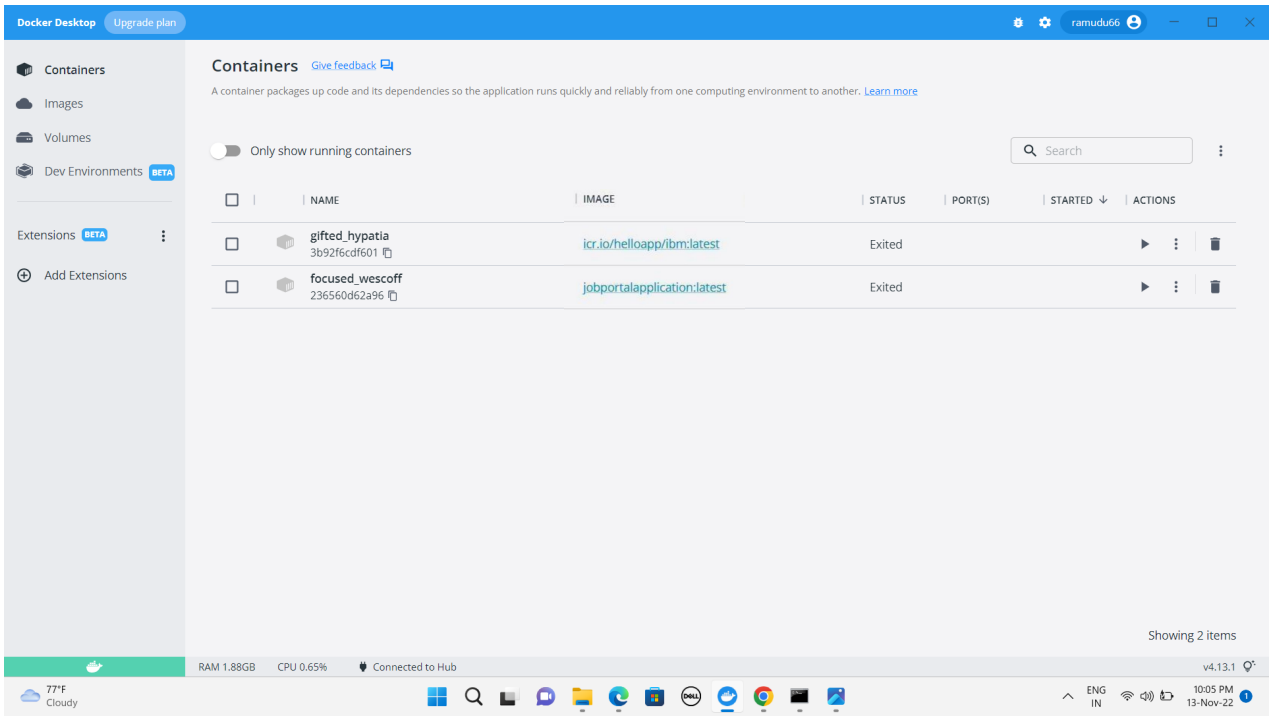
ADD . helloworld/

WORKDIR ~/Desktop/htmlfile

RUN pip install -r requirements

RUN chmod +x app.sh

CMD ["/bin/sh","app.sh"]


Docker Desktop
Upgrade plan
ramudu66
Containers
Images
Volumes
Dev Environments
BETA
Extensions
BETA
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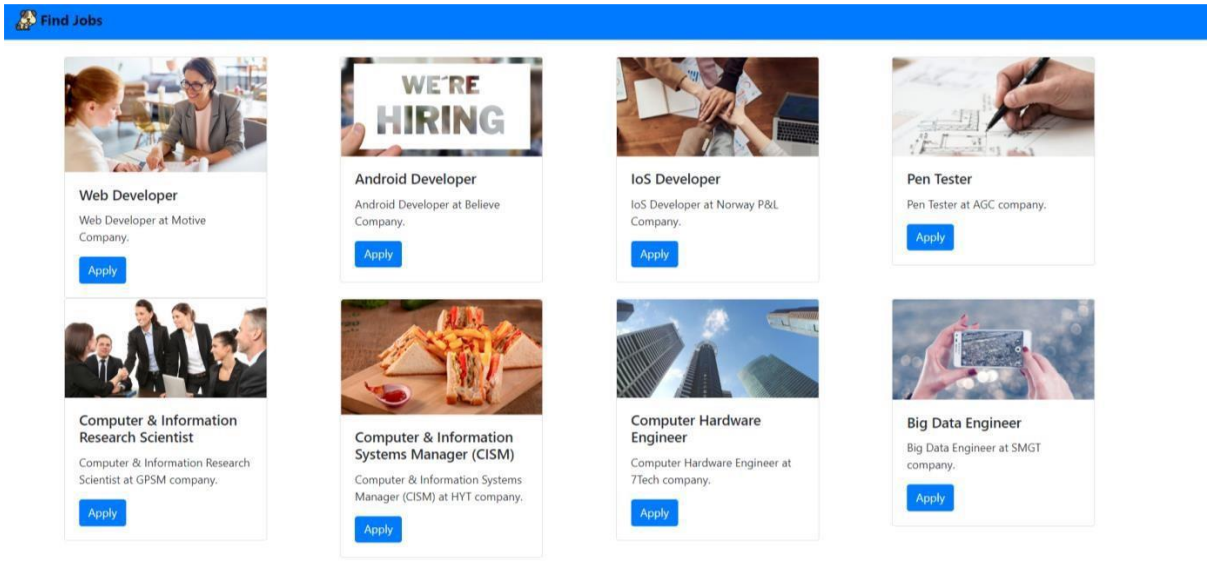
Containers
Give feedback
A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. Learn more
Only show running containers
Search
NAME
IMAGE
STATUS
PORT(S)
STARTED
ACTIONS
gifted_hypatia
3b92f6cdf601
icr.io/helloapp/ibm:latest
Exited
focused_wescoff
236560d62a96
jobportalapplication:latest
Exited
Showing 2 items
RAM 1.88GB
CPU 0.65%
Connected to Hub
v4.13.1
77°F
Cloudy
ENG
IN
10:05 PM
13-Nov-22

OUTPUT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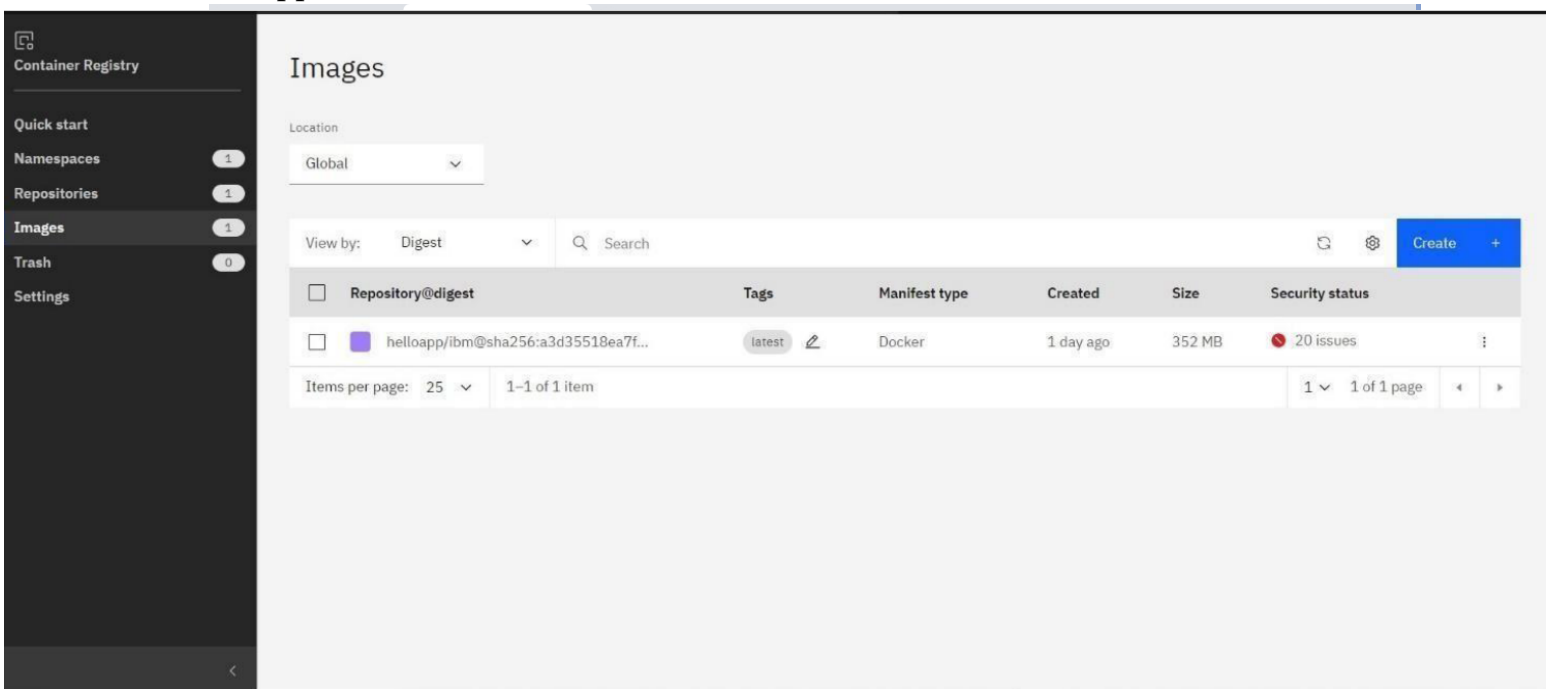
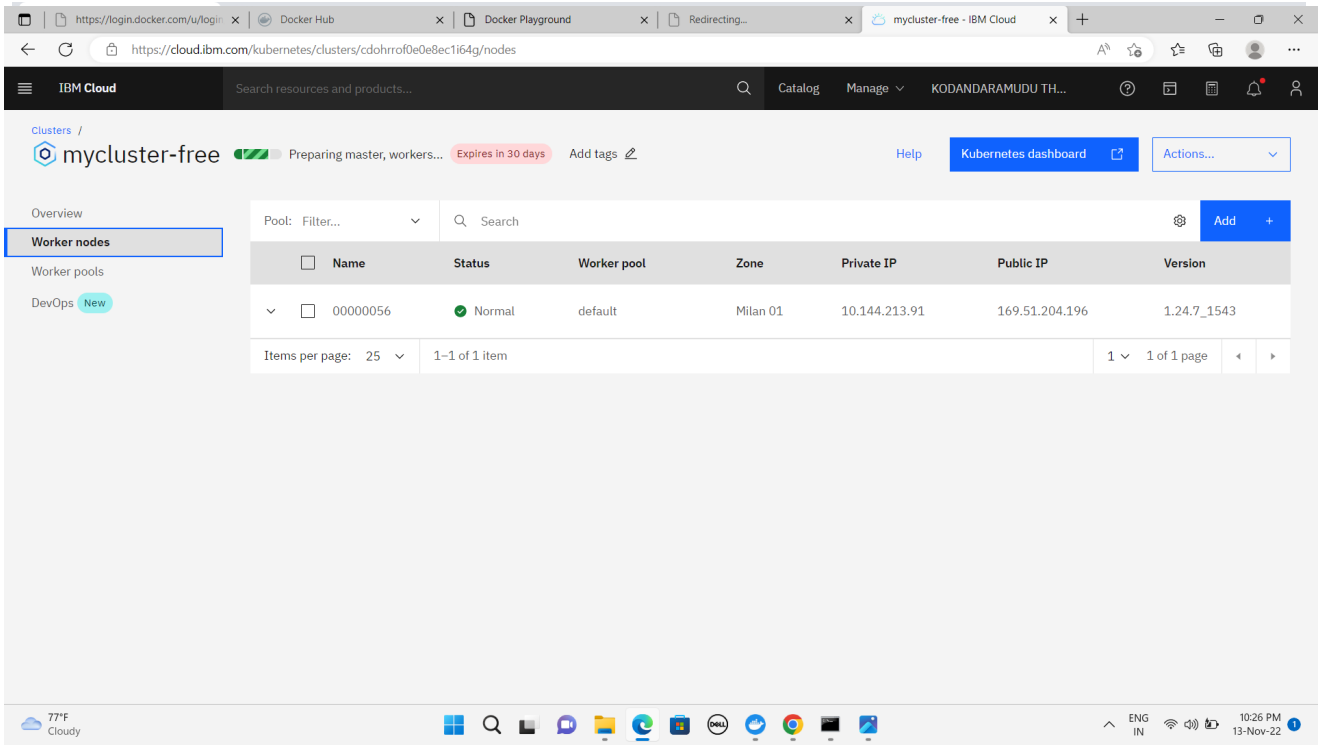
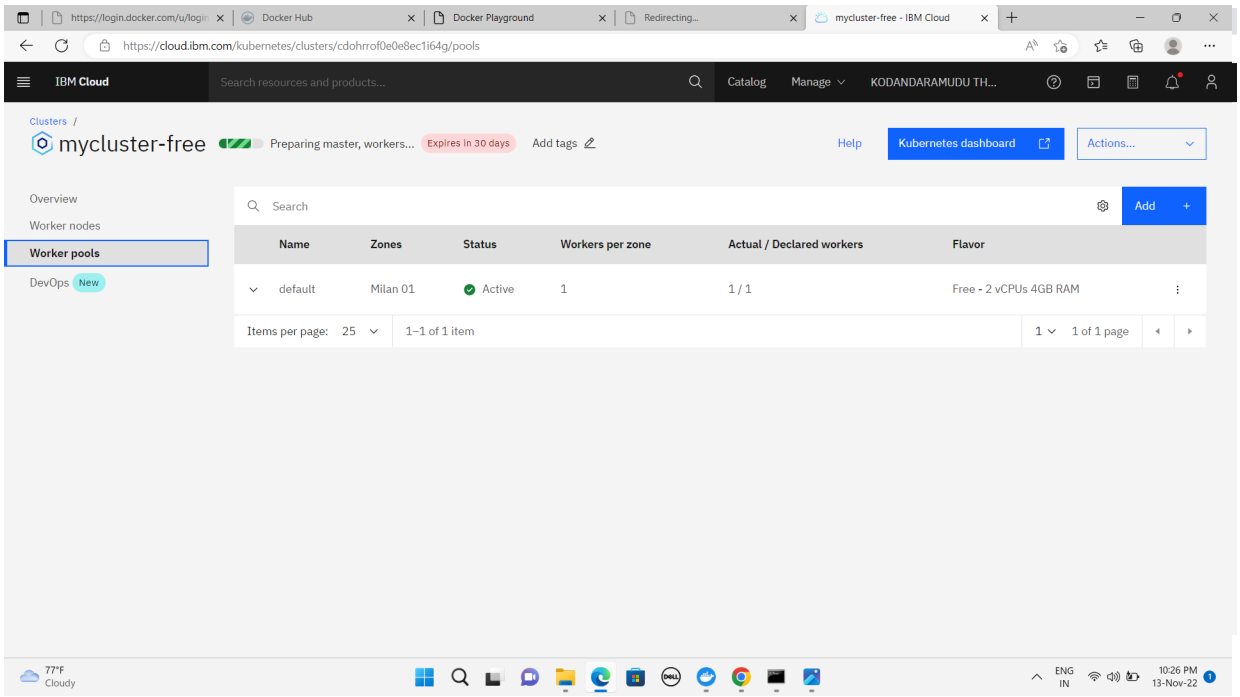
3. Create a IBM container registry and deploy hello world app or job port app.

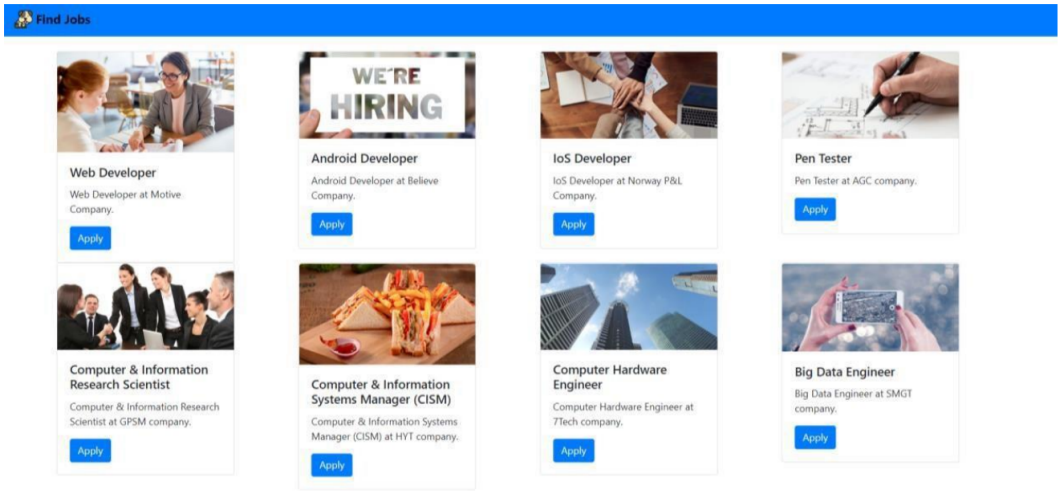


4. Create a Kubernetes cluster in IBM cloud and deploy helloworld image or jobportal image and also expose the same app to run in nodeport.




https://login.docker.com/u/login
Docker Hub
Docker Playground
Redirecting...
mycluster-free - IBM Cloud
https://cloud.ibm.com/kubernetes/clusters/cdohrrof0e0e8ec1i64g/pools
IBM Cloud
Search resources and products...
Catalog
Manage
KODANDARAMUDU TH...
Clusters /
mycluster-free
Preparing master, workers...
Expires in 30 days
Add tags
Help
Kubernetes dashboard
Actions...
Overview
Worker nodes
Worker pools
DevOps
New
Search
Add
Name
Zones
Status
Workers per zone
Actual / Declared workers
Flavor
default
Milan 01
Active
1
1 / 1
Free - 2 vCPUs 4GB RAM
Items per page: 25
1–1 of 1 item
1 of 1 page
77°F
Cloudy
ENG
IN
10:26 PM
13-Nov-22

OUTPUT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