

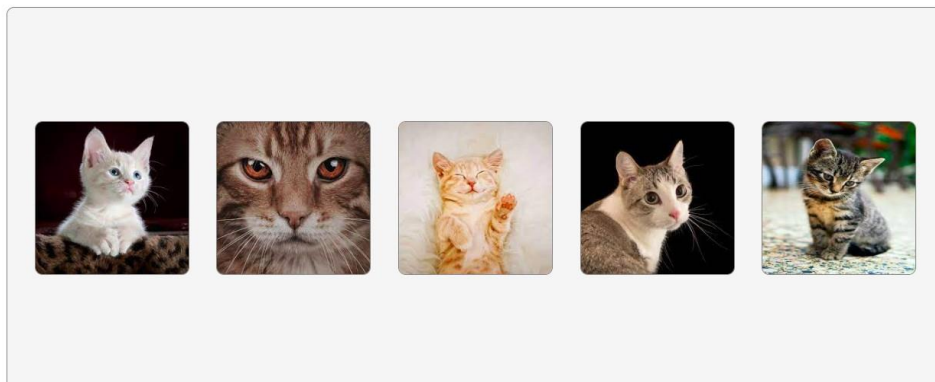
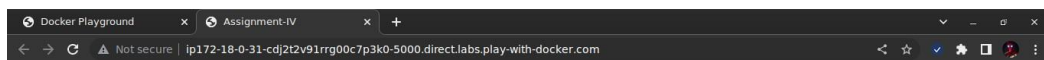
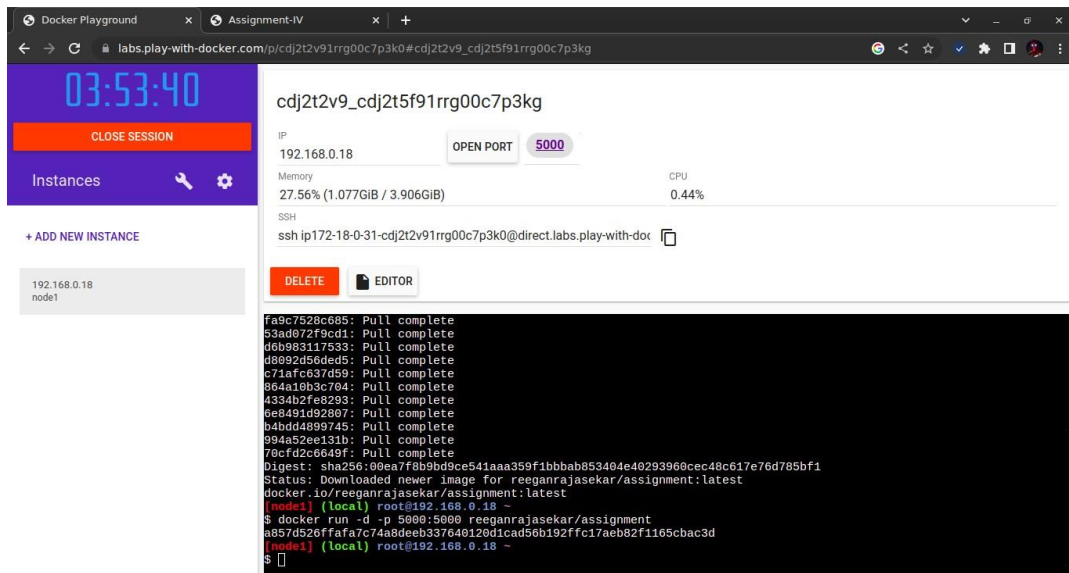
## Assignment -4

### IBM Cloud - Docker - Kubernetes

Assignment Date	21 October 2022
Student Name	Madhankumar R
Student Roll Number	610519104057
Maximum Marks	2 Marks

#### Question:

1. Pull an Image from docker hub and run it in docker playground.
2. Create a docker file for the job portal / flask application and deploy it in Docker desktop application.
3. Create a IBM container registry and push docker image of flask application or job portal app.
4. Create a Kubernetes cluster in IBM cloud and deploy flask application image or job portal image and also expose the same app to run in no deport.



Container Registry

Quick start

Namespaces1

Repositories1

Images1

Trash0

Settings

# Namespaces

LocationTokyo

Resource group: Filter...SearchCreate +

Name	Resource group	Repository count	Image count	Retention policy
assignment_4	Default	1	1	Retain all images
Repository		Image count		Last updated
jp.icr.io/assignment_4/assignment_4		1		1 day ago

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Workloads > Pods

Workloads0

Cron Jobs

Daemon Sets

Deployments

Jobs

Pods

Replica Sets

Replication Controllers

Stateful Sets

Service

Ingresses0

Ingress Classes

Services0

Config and Storage

Config Maps0

## CPU Usage

## Memory Usage

### Pods

Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created
assignment4-55cd499756-5mnmzm	Show all	Show all	10.144.194.84	Running	0	1.00m	19.44Mi	17 minutes ago
assignment4-55cd499756-6mi2n	Show all	Show all	10.144.194.84	Running	0	1.00m	19.39Mi	17 minutes ago
assignment4-55cd499756-hi58f	Show all	Show all	10.144.194.84	Running	0	1.00m	19.44Mi	17 minutes ago

Workloads

Workloads0

Cron Jobs

Daemon Sets

Deployments

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Replication Controllers

Stateful Sets

Service

Ingresses0

Ingress Classes

Services0

Config and Storage

Config Maps0


## Workload Status

Running: 1

Deployments

Running: 5

Pods

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# Namespaces






Location

Tokyo

Resource group: Filter...

Search

Create +

	Name	Resource group	Repository count	Image count	Retention policy	
	 assignment_4	Default	1	1	Retain all images	
Repository			Image count		Last updated	
	jp.lcr.io/assignment_4/assignment_4		1	1 day ago		

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