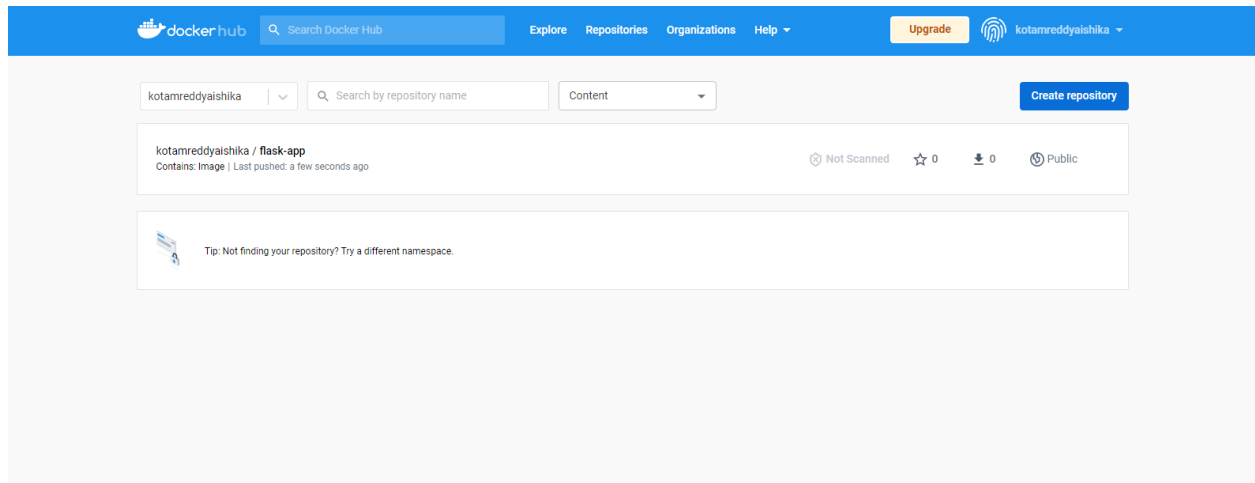


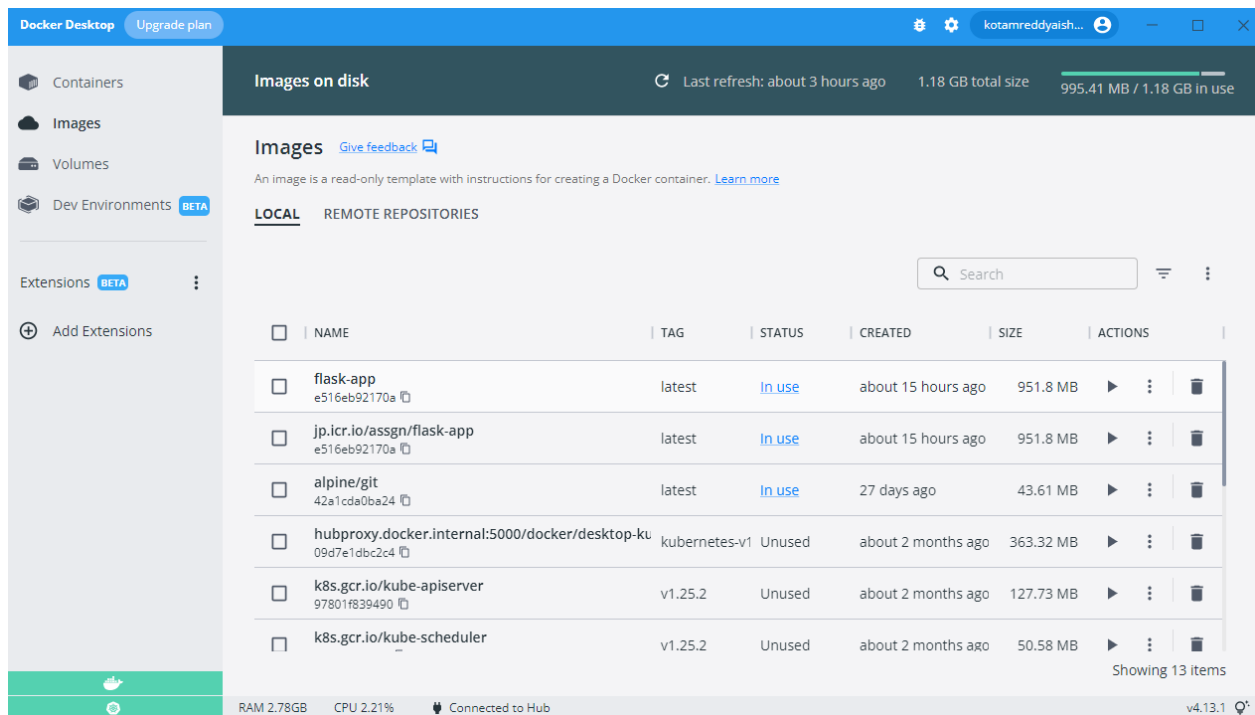
Assignment 4

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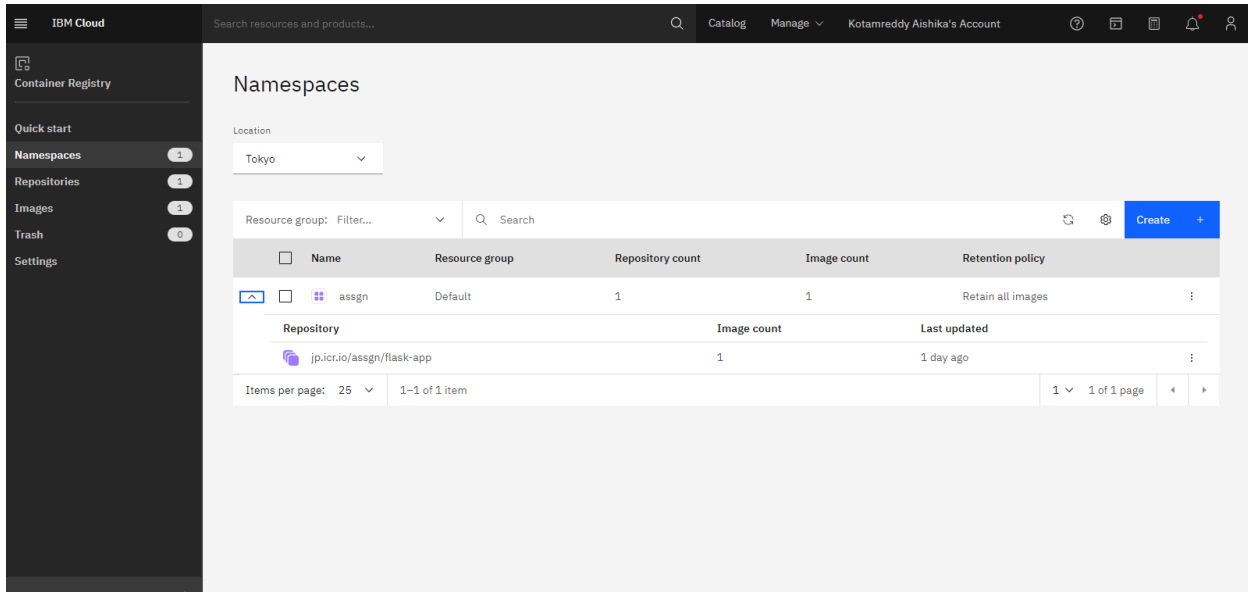
1.Pull an Image from docker hub and run it in docker playground.



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



3.Create a IBM container registry and deploy helloworld app or jobportalapp.

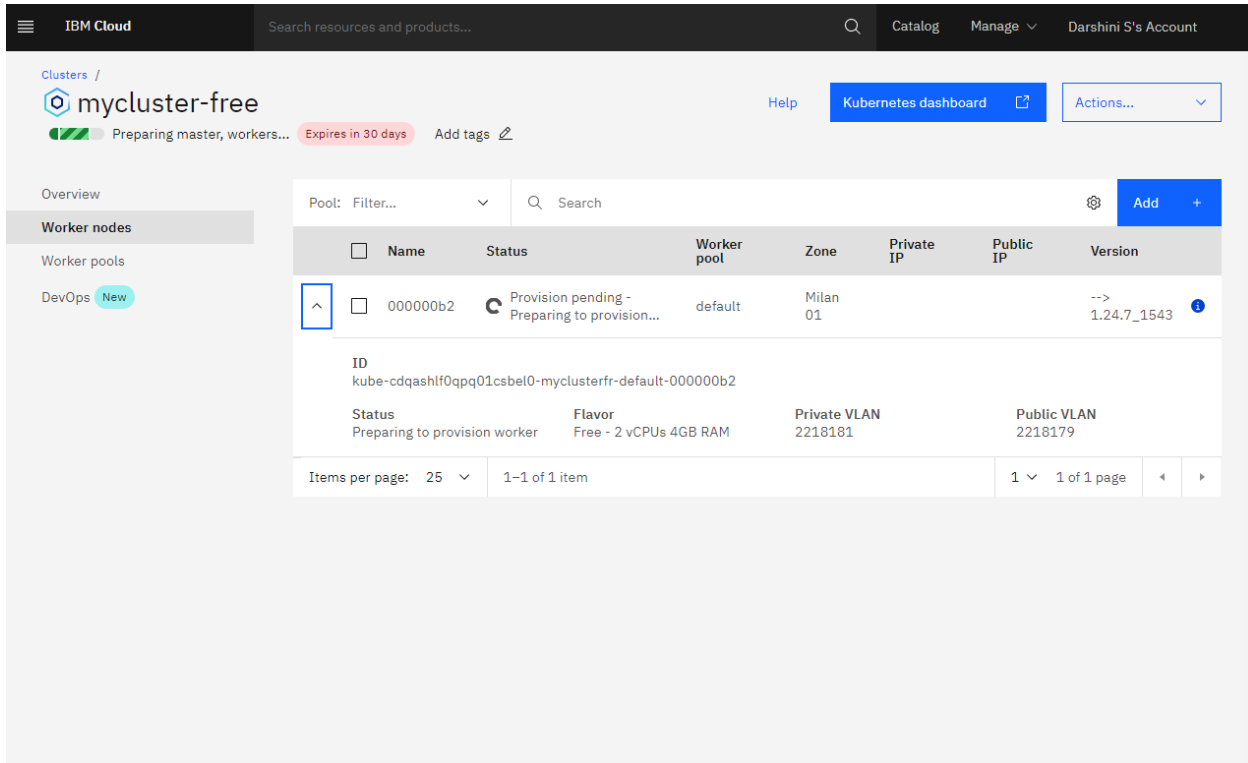


The screenshot shows the IBM Cloud Container Registry interface. The left sidebar contains navigation links: Container Registry, Quick start, Namespaces (1), Repositories (1), Images (1), Trash (0), and Settings. The main content area is titled 'Namespaces' and shows a table of namespaces. The location is set to 'Tokyo'. The table has columns for Name, Resource group, Repository count, Image count, and Retention policy. One namespace is listed: 'assign' in the 'Default' resource group, with 1 repository and 1 image. Below the table, there is a section for 'Repository' and 'Image count' with details for 'jp.icr.io/assign/flask-app'.

Name	Resource group	Repository count	Image count	Retention policy
assign	Default	1	1	Retain all images

Repository	Image count	Last updated
jp.icr.io/assign/flask-app	1	1 day ago

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.



The screenshot shows the IBM Cloud Clusters page for a cluster named 'mycluster-free'. The cluster is in the 'Preparing master, workers...' state and expires in 30 days. The left sidebar shows navigation links: Overview, Worker nodes, Worker pools, and DevOps (New). The main content area shows a table of worker nodes. One worker node is listed: '000000b2' in the 'default' worker pool, with a status of 'Provision pending - Preparing to provision...'. Below the table, there is a section for 'ID', 'Status', 'Flavor', 'Private VLAN', and 'Public VLAN'.

Name	Status	Worker pool	Zone	Private IP	Public IP	Version
000000b2	Provision pending - Preparing to provision...	default	Milan 01			1.24.7_1543

ID	Status	Flavor	Private VLAN	Public VLAN
kube-cdqashlf0qpq01csbel0-myclusterfr-default-000000b2	Preparing to provision worker	Free - 2 vCPUs 4GB RAM	2218181	2218179

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Workload Status

