Assignment - 4

Docker and Kubernetes

Team ID : PNT2022TMID52244

Project Name : Smart Fashion Recommender Application

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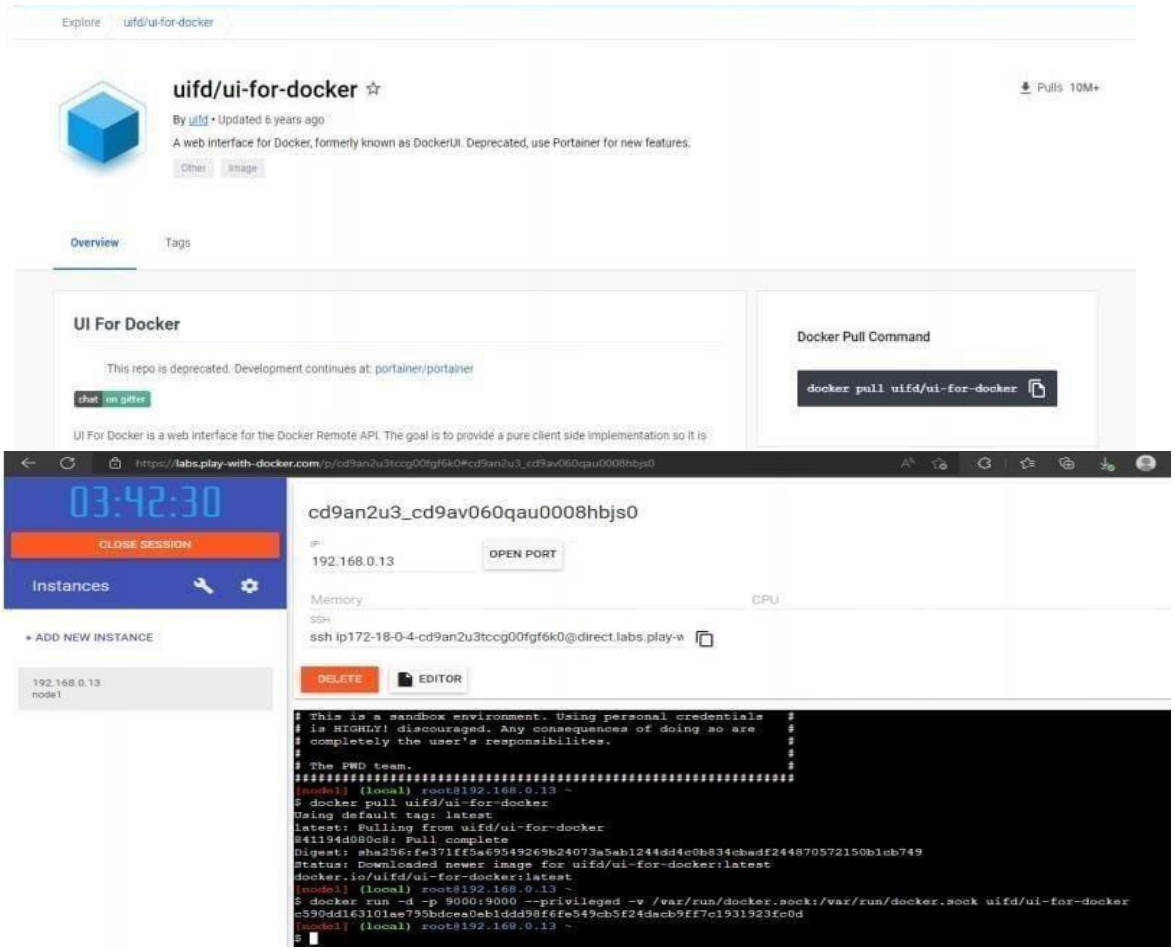
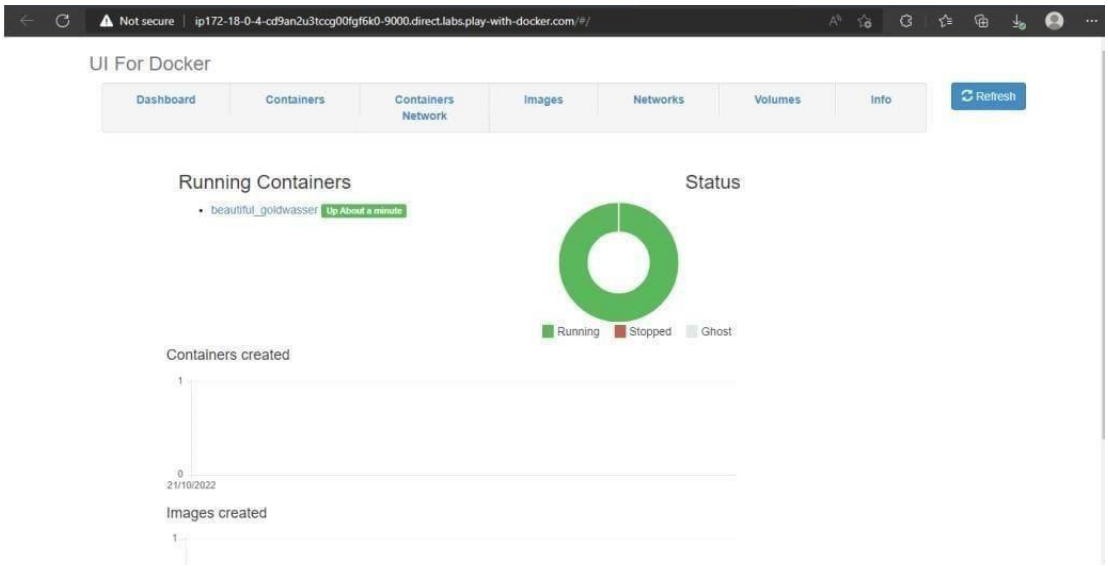
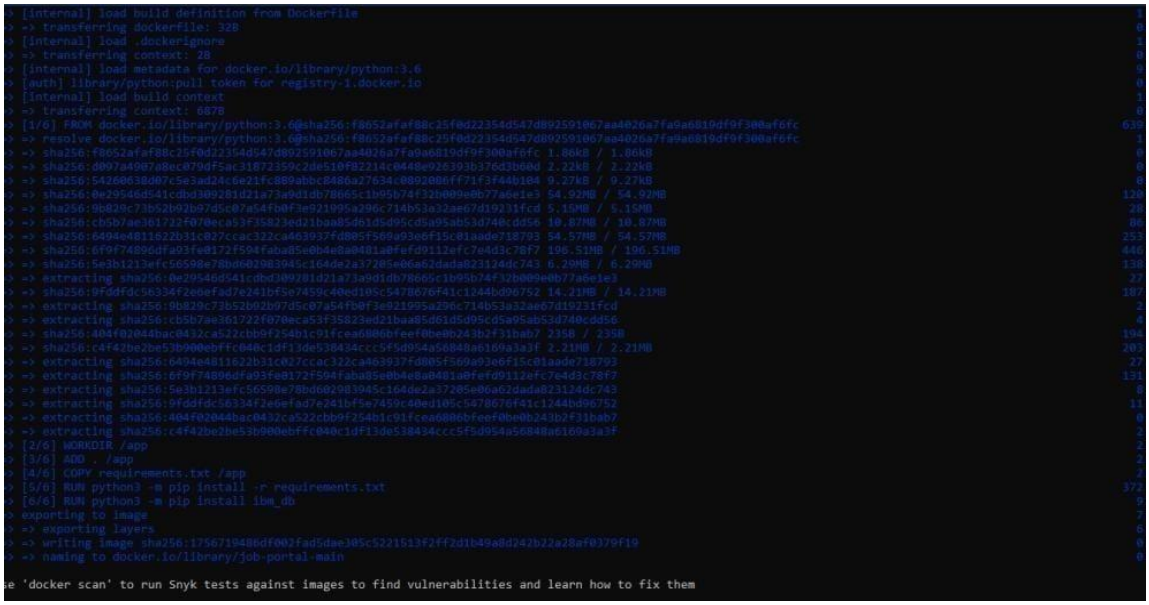
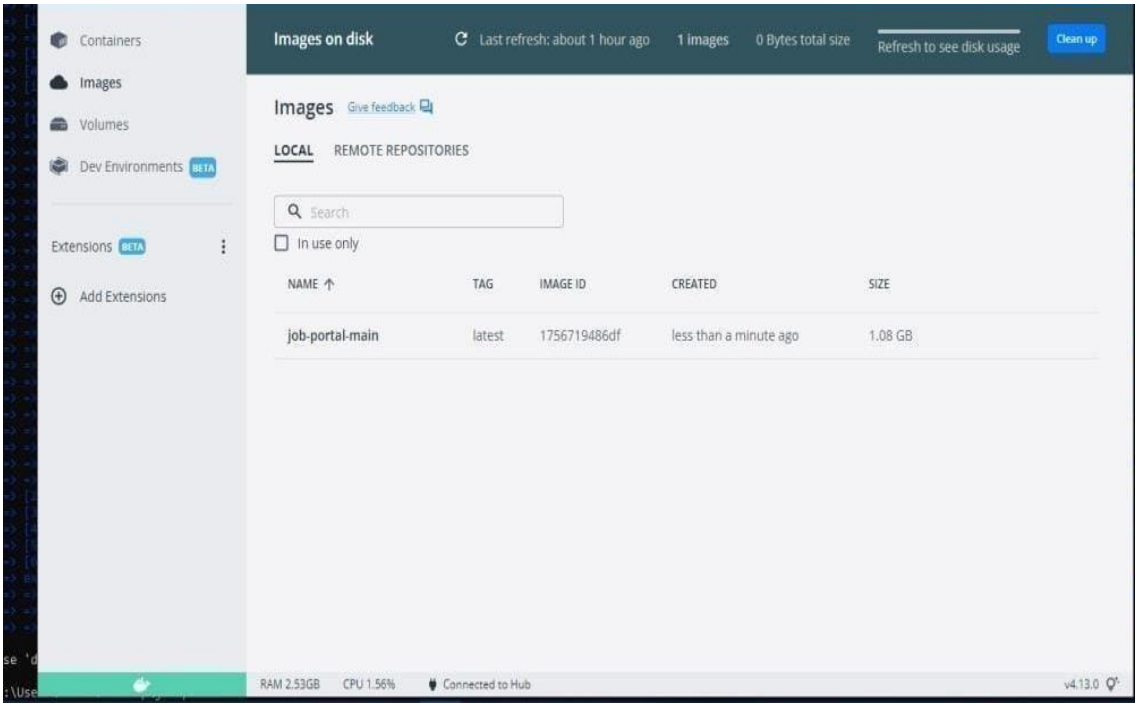
1. Pull an Image from docker hub and run it in docker playground :



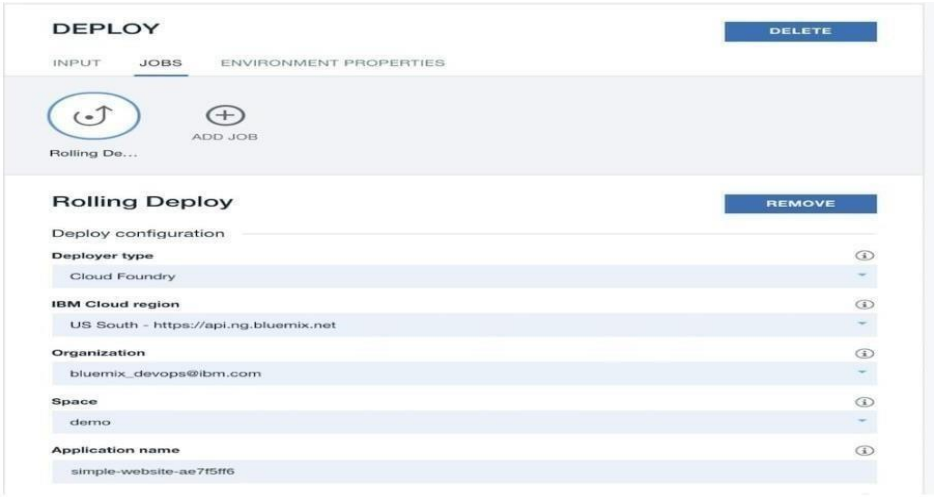


2. Create a docker file for the jobportal application and deploy it in Docker desktop application:





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



```
{
  "ServiceId": "com.ibm.cloudoe.orion.client.deploy",
  "Params": {
    "Target": {
      "Url": "https://api.ng.bluemix.net",
      "Org": "bluemix_devops@ibm.com",
      "Space": "demo"
    },
    "Name": "simple-website-ae7f5ff6",
    "Instrumentation": {}
  },
  "Path": "manifest.yml",
  "Type": "Cloud Foundry"
}
```

Hello, IBM Cloud World!

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 :