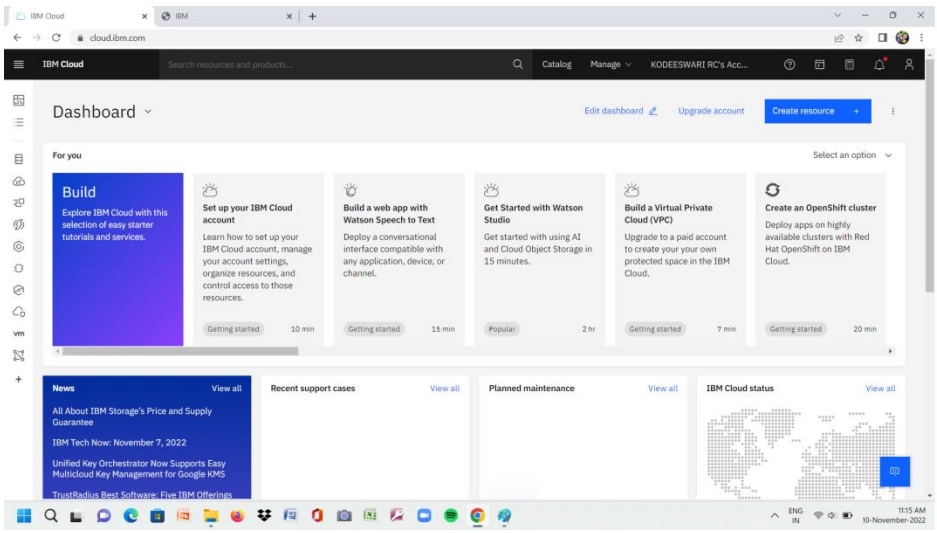
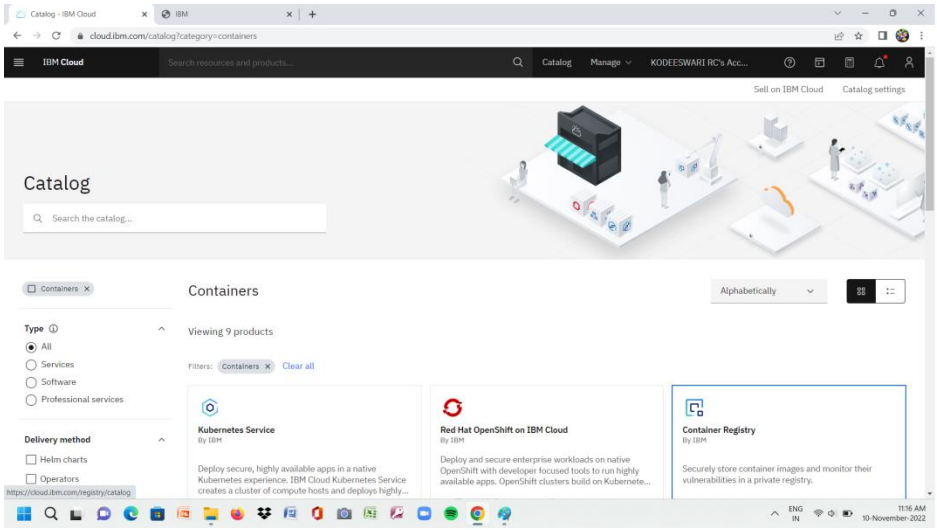
IBM CLOUD COMMANDLINE INTERFACE

Team Id	PNT2022TMID48287
Project Name	Containment Zone Alerting Application

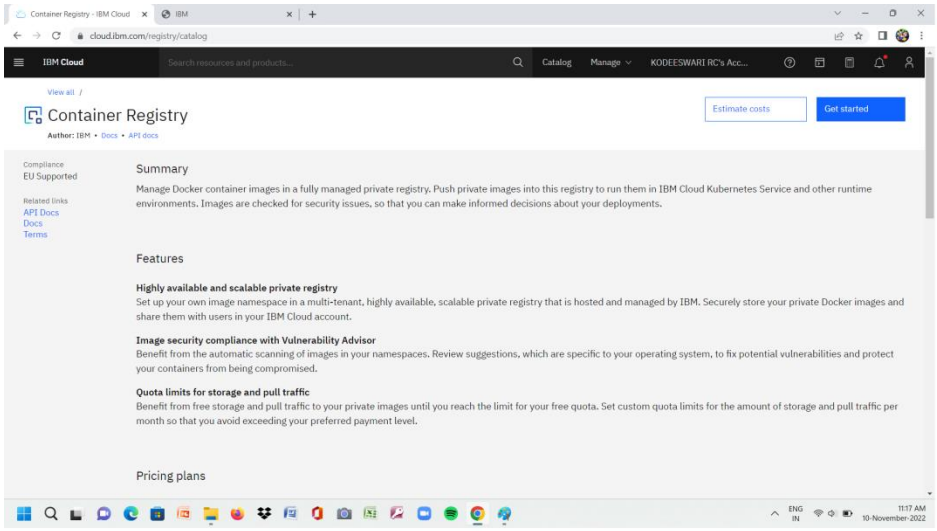
STEP 1:



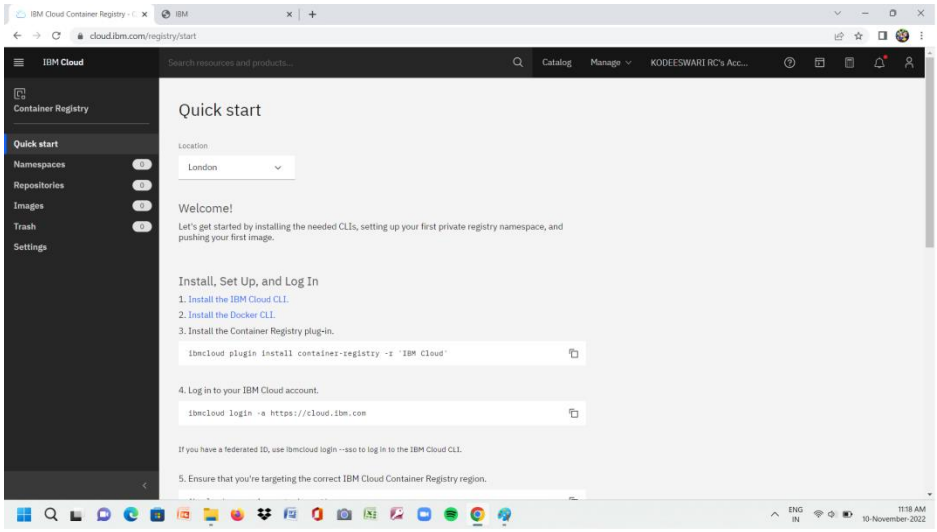
STEP 2:



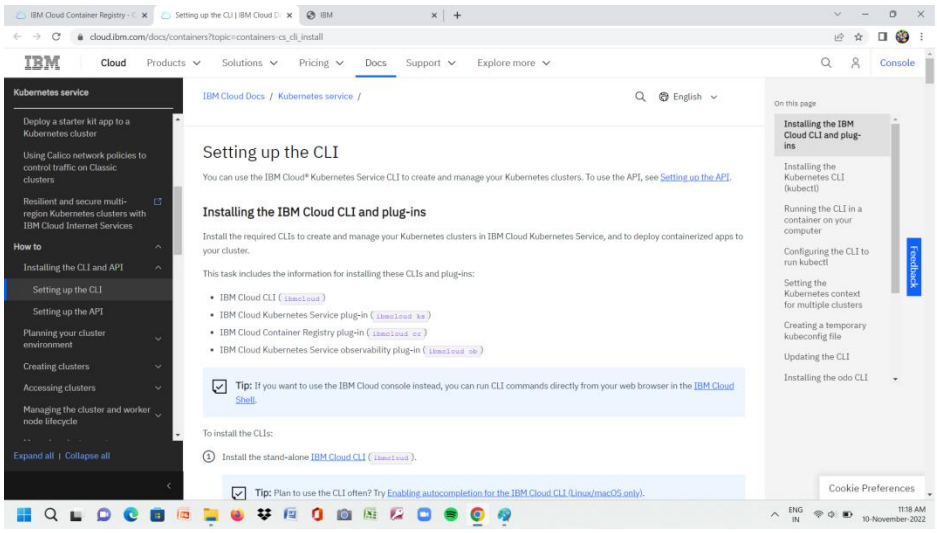
STEP 3:


Container Registry - IBM Cloud
IBM
cloud.ibm.com/registry/catalog
IBM Cloud
Search resources and products...
Catalog
Manage
KODEESWARI RC's Acc...
View all /
Container Registry
Author: IBM • Docs • API docs
Estimate costs
Get started
Compliance
EU Supported
Related links
API Docs
Docs
Terms
Summary
Manage Docker container images in a fully managed private registry. Push private images into this registry to run them in IBM Cloud Kubernetes Service and other runtime environments. Images are checked for security issues, so that you can make informed decisions about your deployments.
Features
Highly available and scalable private registry
Set up your own image namespace in a multi-tenant, highly available, scalable private registry that is hosted and managed by IBM. Securely store your private Docker images and share them with users in your IBM Cloud account.
Image security compliance with Vulnerability Advisor
Benefit from the automatic scanning of images in your namespaces. Review suggestions, which are specific to your operating system, to fix potential vulnerabilities and protect your containers from being compromised.
Quota limits for storage and pull traffic
Benefit from free storage and pull traffic to your private images until you reach the limit for your free quota. Set custom quota limits for the amount of storage and pull traffic per month so that you avoid exceeding your preferred payment level.
Pricing plans
ENG
IN
11:17 AM
10-November-2022

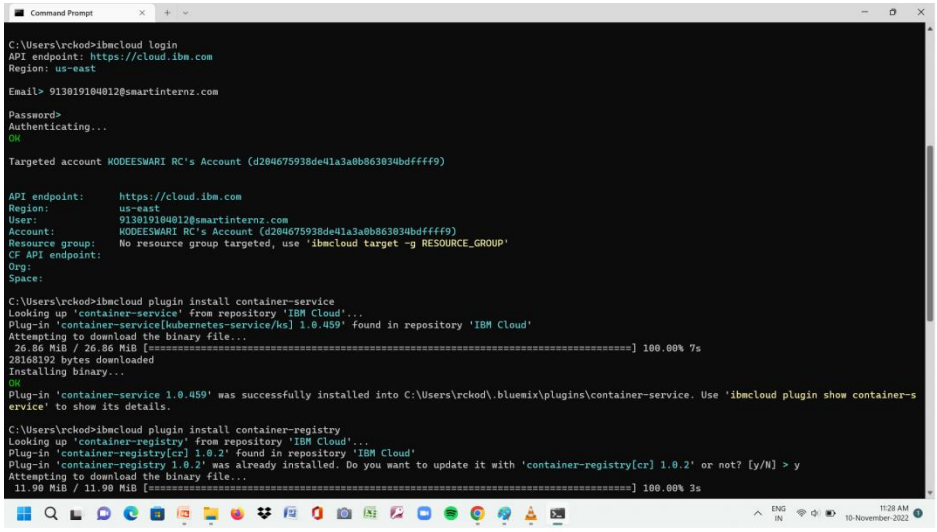
STEP 4:


IBM Cloud Container Registry - C
IBM
cloud.ibm.com/registry/start
IBM Cloud
Search resources and products...
Catalog
Manage
KODEESWARI RC's Acc...
Container Registry
Quick start
Namespaces
Repositories
Images
Trash
Settings
Quick start
Location
London
Welcome!
Let's get started by installing the needed CLIs, setting up your first private registry namespace, and pushing your first image.
Install, Set Up, and Log In
1. Install the IBM Cloud CLI.
2. Install the Docker CLI.
3. Install the Container Registry plug-in.
ibmcloud plugin install container-registry -r 'IBM Cloud'
4. Log in to your IBM Cloud account.
ibmcloud login -a https://cloud.ibm.com
If you have a federated ID, use ibmcloud login --sso to log in to the IBM Cloud CLI.
5. Ensure that you're targeting the correct IBM Cloud Container Registry region.
ENG
IN
11:18 AM
10-November-2022

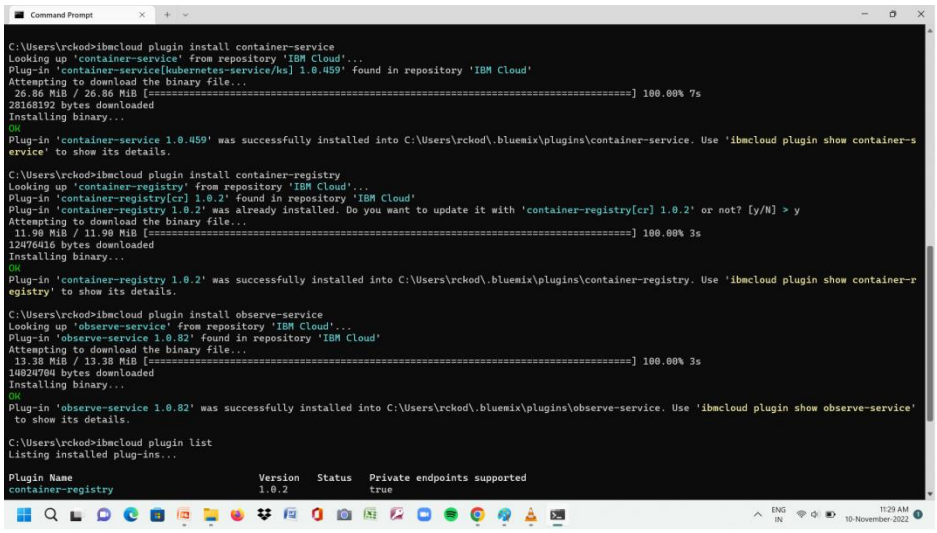
STEP 5:


cloud.ibm.com/docs/containers?topic=containers-cs_cli_install
IBM Cloud Products Solutions Pricing Docs Support Explore more Console
Kubernetes service
Deploy a starter kit app to a Kubernetes cluster
Using Calico network policies to control traffic on Classic clusters
Resilient and secure multi-region Kubernetes clusters with IBM Cloud Internet Services
How to
Installing the CLI and API
Setting up the CLI
Setting up the API
Planning your cluster environment
Creating clusters
Accessing clusters
Managing the cluster and worker node lifecycle
Expand all | Collapse all
IBM Cloud Docs / Kubernetes service /
English
Setting up the CLI
You can use the IBM Cloud® Kubernetes Service CLI to create and manage your Kubernetes clusters. To use the API, see Setting up the API.
Installing the IBM Cloud CLI and plug-ins
Install the required CLIs to create and manage your Kubernetes clusters in IBM Cloud Kubernetes Service, and to deploy containerized apps to your cluster.
This task includes the information for installing these CLIs and plug-ins:
IBM Cloud CLI (ibmcloud)
IBM Cloud Kubernetes Service plug-in (ibmcloud ks)
IBM Cloud Container Registry plug-in (ibmcloud cr)
IBM Cloud Kubernetes Service observability plug-in (ibmcloud ob)
Tip: If you want to use the IBM Cloud console instead, you can run CLI commands directly from your web browser in the IBM Cloud Shell.
To install the CLIs:
1 Install the stand-alone IBM Cloud CLI (ibmcloud).
Tip: Plan to use the CLI often? Try Enabling autocompletion for the IBM Cloud CLI (Linux/macOS only).
On this page
Installing the IBM Cloud CLI and plug-ins
Installing the Kubernetes CLI (kubectl)
Running the CLI in a container on your computer
Configuring the CLI to run kubectl
Setting the Kubernetes context for multiple clusters
Creating a temporary kubeconfig file
Updating the CLI
Installing the odo CLI
Feedback
Cookie Preferences
ENG IN
11:18 AM 10-November-2022

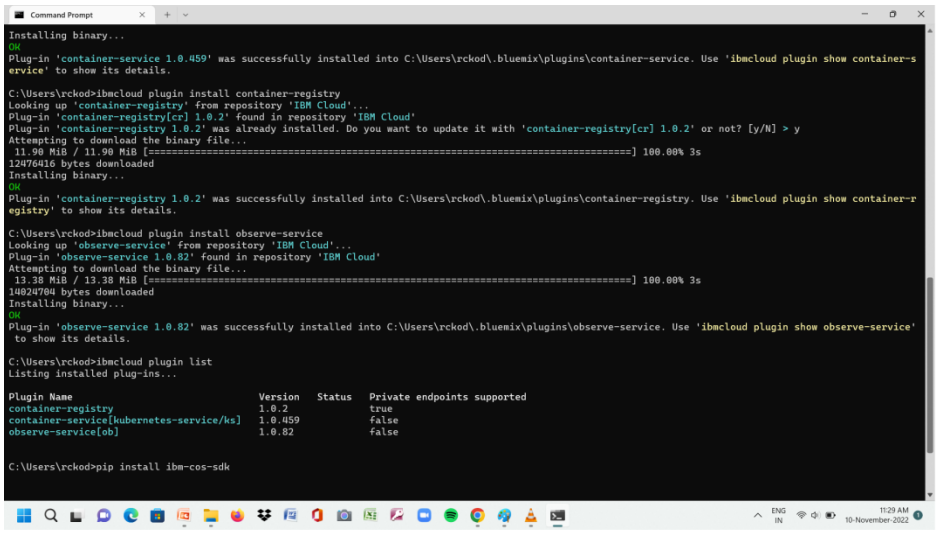
STEP 6:


Command Prompt
C:\Users\rckod>ibmcloud login
API endpoint: https://cloud.ibm.com
Region: us-east
Email> 913019104012@smartinternz.com
Password>
Authenticating...
OK
Targeted account KODEESWARI RC's Account (d204675938de41a3a0b863034bdffff9)
API endpoint: https://cloud.ibm.com
Region: us-east
User: 913019104012@smartinternz.com
Account: KODEESWARI RC's Account (d204675938de41a3a0b863034bdffff9)
Resource group: No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:
C:\Users\rckod>ibmcloud plugin install container-service
Looking up 'container-service' from repository 'IBM Cloud'...
Plug-in 'container-service[kubernetes-service/ks] 1.0.459' found in repository 'IBM Cloud'
Attempting to download the binary file...
26.86 MiB / 26.86 MiB [==========] 100.00% 7s
28168192 bytes downloaded
Installing binary...
OK
Plug-in 'container-service 1.0.459' was successfully installed into C:\Users\rckod\.bluemix\plugins\container-service. Use 'ibmcloud plugin show container-service' to show its details.
C:\Users\rckod>ibmcloud plugin install container-registry
Looking up 'container-registry' from repository 'IBM Cloud'...
Plug-in 'container-registry[cr] 1.0.2' found in repository 'IBM Cloud'
Plug-in 'container-registry 1.0.2' was already installed. Do you want to update it with 'container-registry[cr] 1.0.2' or not? [y/N] > y
Attempting to download the binary file...
11.90 MiB / 11.90 MiB [==========] 100.00% 3s
ENG IN
11:28 AM 10-November-2022

STEP 7


Command Prompt
C:\Users\rckod>ibmcloud plugin install container-service
Looking up 'container-service' from repository 'IBM Cloud'...
Plug-in 'container-service[kubernetes-service/ks] 1.0.459' found in repository 'IBM Cloud'
Attempting to download the binary file...
26.86 MiB / 26.86 MiB [==========] 100.00% 7s
28168192 bytes downloaded
Installing binary...
OK
Plug-in 'container-service 1.0.459' was successfully installed into C:\Users\rckod\.bluemix\plugins\container-service. Use 'ibmcloud plugin show container-service' to show its details.
C:\Users\rckod>ibmcloud plugin install container-registry
Looking up 'container-registry' from repository 'IBM Cloud'...
Plug-in 'container-registry[cr] 1.0.2' found in repository 'IBM Cloud'
Plug-in 'container-registry 1.0.2' was already installed. Do you want to update it with 'container-registry[cr] 1.0.2' or not? [y/N] > y
Attempting to download the binary file...
11.90 MiB / 11.90 MiB [==========] 100.00% 3s
12476416 bytes downloaded
Installing binary...
OK
Plug-in 'container-registry 1.0.2' was successfully installed into C:\Users\rckod\.bluemix\plugins\container-registry. Use 'ibmcloud plugin show container-registry' to show its details.
C:\Users\rckod>ibmcloud plugin install observe-service
Looking up 'observe-service' from repository 'IBM Cloud'...
Plug-in 'observe-service 1.0.82' found in repository 'IBM Cloud'
Attempting to download the binary file...
13.38 MiB / 13.38 MiB [==========] 100.00% 3s
14024704 bytes downloaded
Installing binary...
OK
Plug-in 'observe-service 1.0.82' was successfully installed into C:\Users\rckod\.bluemix\plugins\observe-service. Use 'ibmcloud plugin show observe-service' to show its details.
C:\Users\rckod>ibmcloud plugin list
Listing installed plug-ins...
Plugin Name Version Status Private endpoints supported
container-registry 1.0.2 true
ENG IN
11:29 AM 10-November-2022

STEP 8


Command Prompt
Installing binary...
OK
Plug-in 'container-service 1.0.459' was successfully installed into C:\Users\rckod\.bluemix\plugins\container-service. Use 'ibmcloud plugin show container-service' to show its details.
C:\Users\rckod>ibmcloud plugin install container-registry
Looking up 'container-registry' from repository 'IBM Cloud'...
Plug-in 'container-registry[cr] 1.0.2' found in repository 'IBM Cloud'
Plug-in 'container-registry 1.0.2' was already installed. Do you want to update it with 'container-registry[cr] 1.0.2' or not? [y/N] > y
Attempting to download the binary file...
11.90 MiB / 11.90 MiB [==========] 100.00% 3s
12476416 bytes downloaded
Installing binary...
OK
Plug-in 'container-registry 1.0.2' was successfully installed into C:\Users\rckod\.bluemix\plugins\container-registry. Use 'ibmcloud plugin show container-registry' to show its details.
C:\Users\rckod>ibmcloud plugin install observe-service
Looking up 'observe-service' from repository 'IBM Cloud'...
Plug-in 'observe-service 1.0.82' found in repository 'IBM Cloud'
Attempting to download the binary file...
13.38 MiB / 13.38 MiB [==========] 100.00% 3s
14024704 bytes downloaded
Installing binary...
OK
Plug-in 'observe-service 1.0.82' was successfully installed into C:\Users\rckod\.bluemix\plugins\observe-service. Use 'ibmcloud plugin show observe-service' to show its details.
C:\Users\rckod>ibmcloud plugin list
Listing installed plug-ins...
Plugin Name Version Status Private endpoints supported
container-registry 1.0.2 true
container-service[kubernetes-service/ks] 1.0.459 false
observe-service[ob] 1.0.82 false
C:\Users\rckod>pip install ibm-cos-sdk
ENG IN
11:29 AM 10-November-2022