

SETTING UP APPLICATION ENVIRONMENT

INSTALL IBM CLOUD CLI

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Team ID	PNT2022TMID54054
Project Name	Smart Fashion Recommender Application
Maximum Marks	2 Marks

INSTALL IBM CLOUD CLI:

Step 1:

First login with cloud.ibm.com → Next search with Container Registry in IBM search catalog.

The screenshot displays the IBM Cloud dashboard interface. The top navigation bar includes the 'IBM Cloud' logo, a search bar with 'Container Registry' entered, and user account information for 'Nandhitha Sree B's Acc...'. The main content area is divided into several sections. On the left, a 'Dashboard' sidebar shows a 'For you' section with a 'Build' card. The central search results section, titled 'Catalog Results', shows '0 resource results found' and a list of services including 'Container Registry', 'Container Security Services', 'Red Hat OpenShift on IBM Cloud', 'Code Engine', and 'Kubernetes Service'. On the right, a 'Select an option' dropdown menu is open, showing various service cards like 'IBM Watson Internet of Things Platform', 'Build a web app with Watson Speech to Text', and 'Use Sp...'. The bottom of the dashboard features a 'User access' section with a 'Manage users' link, a 'News' section with a 'View all' link, and a 'Planned maintenance' section with a 'View all' link. A URL bar at the bottom left shows 'https://cloud.ibm.com/registry/catalog'.

Step 2:

Next click Get started button → Next click Install the IBM Cloud CLI.

The screenshot shows the IBM Cloud Container Registry overview page. The header includes the IBM Cloud logo, a search bar, and navigation links for Catalog, Manage, and the user's account (Nandhitha Sree B's Acc...). The main content area is titled 'Container Registry' and includes a 'Get started' button. The page is divided into sections: Compliance (EU Supported), Summary, Features, and Related links (API Docs, Docs, Terms). The Summary section describes the service as a fully managed private registry for Docker container images. The Features section lists three key capabilities: highly available and scalable private registry, image security compliance with Vulnerability Advisor, and quota limits for storage and pull traffic.

View all /

Container Registry

Author: IBM • Docs • API docs

Compliance
EU Supported

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.

The screenshot shows the IBM Cloud Container Registry Quick start page. The header is identical to the previous screenshot. The left sidebar shows the 'Quick start' section selected. The main content area is titled 'Quick start' and includes a 'Location' dropdown menu set to 'Global'. The page is divided into sections: Welcome!, Install, Set Up, and Log In. The 'Install, Set Up, and Log In' section lists four steps: 1. Install the IBM Cloud CLI, 2. Install the Docker CLI, 3. Install the Container Registry plug-in, and 4. Log in to your IBM Cloud account. The third step includes a terminal command: `ibmcloud plugin install container-registry -x 'IBM Cloud'`. The fourth step includes a terminal command: `ibmcloud login -a https://cloud.ibm.com`.

Quick start

Location

Global

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 -x 'IBM Cloud'
```
4. Log in to your IBM Cloud account.

```
ibmcloud login -a https://cloud.ibm.com
```

Step 3:

In cloud CLI there is list of commands insert the into our windows command prompt. After entering all commands, the cloud CLI installation is done.

```
Microsoft Windows [Version 10.0.22000.1098]
(c) Microsoft Corporation. All rights reserved.

C:\Program Files\IBM\Cloud\bin>ibmcloud login
API endpoint: https://cloud.ibm.com

Email> nandhithasreeb.ug19.it@francisxavier.ac.in

Password>
Authenticating...
OK

Targeted account Nandhitha Sree B's Account (cb2d98a3b0d449baab01bc3488aa8c76)

Select a region (or press enter to skip):
1. au-syd
2. in-che
3. jp-osa
4. jp-tok
5. kr-seo
6. eu-de
7. eu-gb
8. ca-tor
9. us-south
10. us-east
11. br-sao
Enter a number> 9
Targeted region us-south

API endpoint: https://cloud.ibm.com
Region: us-south
User: nandhithasreeb.ug19.it@francisxavier.ac.in
Account: Nandhitha Sree B's Account (cb2d98a3b0d449baab01bc3488aa8c76)
Resource group: No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:

C:\Program Files\IBM\Cloud\bin>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'
```

```
C:\Program Files\IBM\Cloud\bin>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% 1m9s
28168192 bytes downloaded
Installing binary...
OK
Plug-in 'container-service 1.0.459' was successfully installed into C:\Users\HP\.bluemix\plugins\container-service. Use 'ibmcloud plugin show container-service' to show its details.

C:\Program Files\IBM\Cloud\bin>ibmcloud plugin list
Listing installed plug-ins...

Plugin Name          Version  Status  Private endpoints supported
container-service[kubernetes-service/ks]  1.0.459  false

C:\Program Files\IBM\Cloud\bin>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'
Attempting to download the binary file...
11.90 MiB / 11.90 MiB [=====] 100.00% 57s
12476416 bytes downloaded
Installing binary...
OK
Plug-in 'container-registry 1.0.2' was successfully installed into C:\Users\HP\.bluemix\plugins\container-registry. Use 'ibmcloud plugin show container-registry' to show its details.

C:\Program Files\IBM\Cloud\bin>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% 1m9s
14024704 bytes downloaded
Installing binary...
OK
Plug-in 'observe-service 1.0.82' was successfully installed into C:\Users\HP\.bluemix\plugins\observe-service. Use 'ibmcloud plugin show observe-service' to show its details.
```

```
C:\Program Files\IBM\Cloud\bin>ibmcloud plugin list
Listing installed plug-ins...

Plugin Name          Version  Status  Private endpoints supported
container-registry    1.0.2    true    false
container-service[kubernetes-service/ks]  1.0.459  false   false
observe-service[ob]   1.0.82   false   false

C:\Program Files\IBM\Cloud\bin>
```