

## Install IBM Cloud CLI

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Team ID	PNT2022TMID47667
Project Name	Personal Expense Tracker Application

The screenshot shows the IBM Cloud dashboard in a Firefox browser window. The address bar displays <https://cloud.ibm.com>. A search overlay is active, showing results for the term "Container". The search results list several services: Container Security Services (Consulting), Container Registry (Service), F5 Container Ingress Services Operator (Software), Red Hat OpenShift on IBM Cloud (Service), and Code Engine (Service). Below the list are links to search for "Container" in Support Cases and Docs. The dashboard background features a "Build" section with a blue background, a "User access" section with a "Manage users" link, a "News" section with links to "WebSphere Application Server Support Restatement" and "IBM Adds Lifecycle Services to Enterprise Networking and Deepens Strategic Partnership with Cisco", and a "Planned maintenance" section with a "View all" link. The top navigation bar includes "Catalog", "Manage", and the user name "MOHAMED FAWWASH ...". The bottom status bar shows the URL <https://cloud.ibm.com/registry/catalog>.

Activities Applications Places Firefox Web Browser Sun Nov 13 11:10 PM

IBM Cloud

Dashboard

For you

Build

Explore IBM Cloud with the selection of easy starter tutorials and services.

Container

0 resource results found

Catalog Results

View all catalog results

Container Security Services Consulting

Container Registry Service

F5 Container Ingress Services Operator Software

Red Hat OpenShift on IBM Cloud Service

Code Engine Service

Search "Container" in Support Cases

Search "Container" in Docs

Edit dashboard Upgrade account Create resource

Select an option

Build a Virtual Private Cloud (VPC)

Upgrade to a paid account to create your own protected space in the IBM Cloud.

Getting started 7 min

IBM Watson Knowledge Catalog

Help your data citizens easily find, prepare, understand and use the data they need through an enterprise data catalog & governance platform.

Recommended 2 min

IBM Cloud Services

Use IBM Cloud Services to workload with reduced

User access Manage users

Enter email addresses below to jump directly into the invite user setup:

News View all

WebSphere Application Server Support Restatement

IBM Adds Lifecycle Services to Enterprise Networking and Deepens Strategic Partnership with Cisco

Planned maintenance View all

<https://cloud.ibm.com/registry/catalog>

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https://cloud.ibm.com/docs/containers?topic=containers-cs\_cli\_install

IBM Cloud Products Solutions Pricing Docs Support Explore more

Kubernetes service

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

```
$ ibmcloud login
```

Tip: If you have a federated ID, use `ibmcloud login --sso` to log in to the IBM Cloud CLI. Enter your username and use the provided URL in your CLI output to retrieve your one-time passcode. You know you have a federated ID when the login fails without the `--sso` and succeeds with the `--sso` option.

3 Install the IBM Cloud plug-in for IBM Cloud Kubernetes Service (`ibmcloud ks`). Use this plug-in to create and manage IBM Cloud Kubernetes Service resources such as clusters, worker nodes, or network load balancers.

```
$ ibmcloud plugin install container-service
```

4 Install the IBM Cloud plug-in for IBM Cloud Container Registry (`ibmcloud cr`). Use this plug-in to set up your own namespace in a multi-tenant, highly available, and scalable private image registry that is hosted by IBM, and to store and share Docker images with other users. Docker images are required to deploy containers into a cluster.

```
$ ibmcloud plugin install container-registry
```

5 To create a logging configuration for IBM Log Analysis or a monitoring configuration for IBM Cloud Monitoring for your cluster, install the IBM Cloud Kubernetes Service observability plug-in (`ibmcloud ob`).

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

Feedback

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https://cloud.ibm.com/registry/start

IBM Cloud Search resources and products... Catalog Manage MOHAMED FAWWASH ...

Container Registry

Quick start

Namespaces 0

Repositories 0

Images 0

Trash 0

Settings

### 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.

```
ibmcloud cr region-set global
```

6. Choose a name for your first namespace, and create that namespace. Use this namespace for the rest of the Quick Start.

```
ibmcloud cr namespace-add <my_namespace>
```

### Push the image to your private registry

1. Log your local Docker daemon into the IBM Cloud Container Registry.