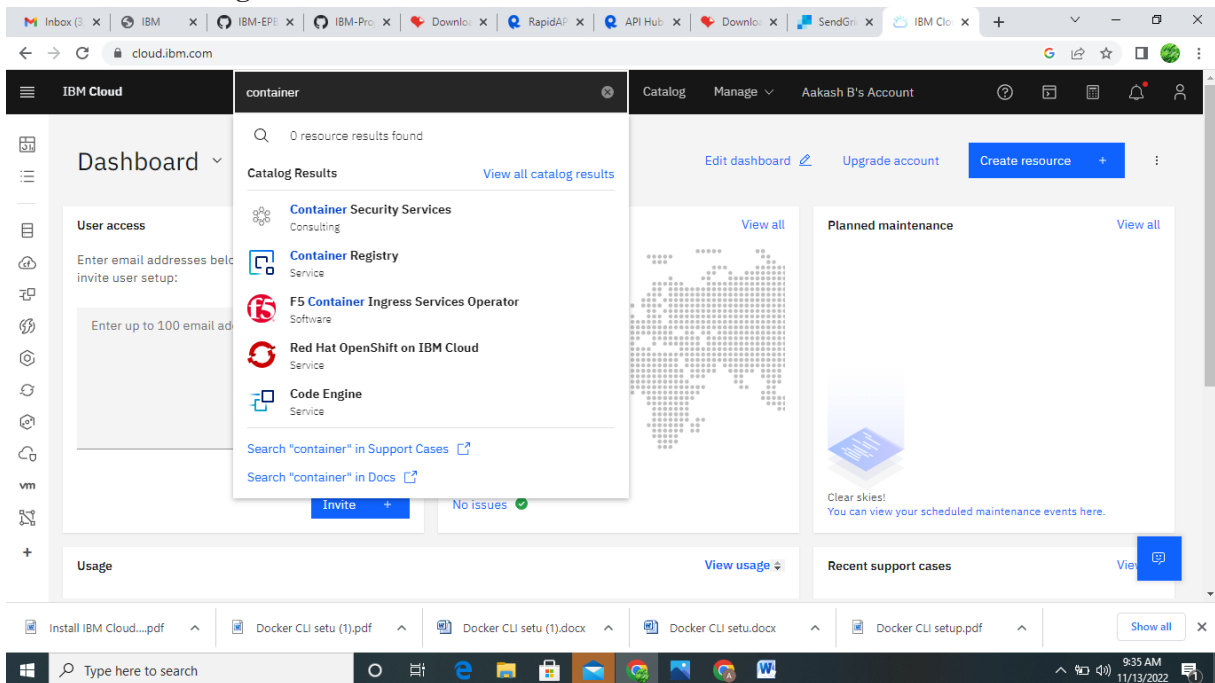


# Setting up Application Environment

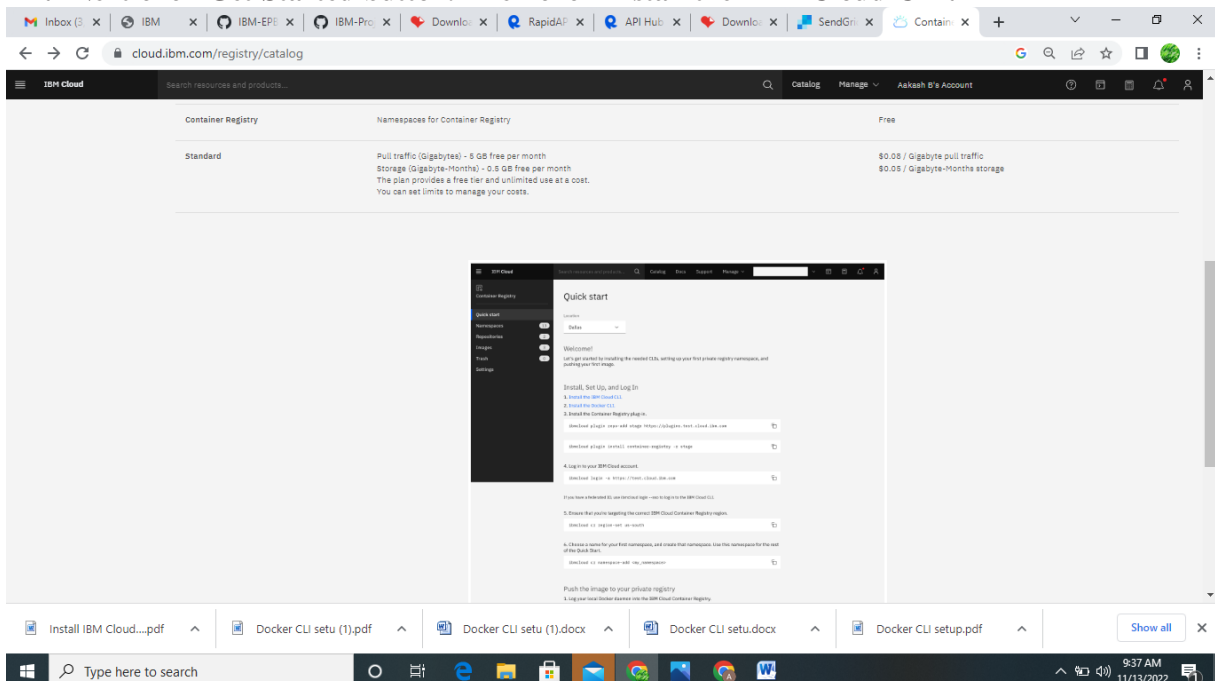
## Install IBM Cloud CLI

Team ID	PNT2022TMID41648
Project Name	Nutrition Assistant Application

### 1. Login to the IBM cloud account then search and select Container Registry in IBM search catalog.



### 2. Next click Get Started button. Then click Install the IBM Cloud CLI.



### 3. In cloud CLI there is a list of commands, insert those commands in our command prompt. After entering all the commands the cloud installation is completed.

The screenshot shows the IBM Cloud CLI installation guide on the IBM website. The browser address bar displays `cloud.ibm.com/docs/containers?topic=containers-cs_cli_install`. The page title is "Kubernetes service". The left sidebar contains a navigation menu with the following items: "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", "Managing cluster costs", and "Expand all | Collapse all". The main content area is titled "To install the CLIs:" and contains the following steps:

1. Install the stand-alone [IBM Cloud CLI](#) (`ibmcloud`).
  - Tip: Plan to use the CLI often? Try [Enabling autocompletion for the IBM Cloud CLI \(Linux/macOS only\)](#).
2. Log in to the IBM Cloud CLI. Enter your IBM Cloud credentials when prompted.
  - 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.
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.

The right sidebar contains a "On this page" section with the following links: "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", and "Installing the odo CLI for developers". The bottom of the page shows a Windows taskbar with the search bar and several application icons.

```
Microsoft Windows [Version 10.0.22000.194]
(c) Microsoft Corporation. All rights reserved.

C:\Users\sherna>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...
26.37 MB / 26.37 MB [=====] 100.00% 1m10s
27653120 bytes downloaded
Installing binary...
Plug-in 'container-service 1.0.459' was successfully installed into C:\Users\sherna\blumix\plugins\container-service. Use 'ibmcloud plugin show container-service' to show its details.

C:\Users\sherna>
```

```
Command Prompt
C:\Users\sherm>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...
[11.49 MiB / 11.49 MiB [-----] 100.00% 32s]
12043776 bytes downloaded
Installing binary...
Plug-in 'container-registry 1.0.2' was successfully installed into C:\Users\sherm\bluemix\plugins\container-registry. Use 'ibmcloud plugin show container-registry' to show its details.

C:\Users\sherm>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...
[12.88 MiB / 12.88 MiB [-----] 100.00% 29s]
13502664 bytes downloaded
Installing binary...
Plug-in 'observe-service 1.0.82' was successfully installed into C:\Users\sherm\bluemix\plugins\observe-service. Use 'ibmcloud plugin show observe-service' to show its details.

C:\Users\sherm>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
```