

DOCKER IMAGE CREATION

Date	15 NOVEMBER 2022
Team ID	PNT2022TMID17124
Project Name	Personal Expense Tracker Application

Install the [IBM Cloud CLI](#) by following the steps in the **Install from shell** section.

1. Verify the Installation by running help command.

```
ibmcloud help
```

2. Install the IBM Cloud Container Registry plugin.

```
ibmcloud plugin install container-registry -r Bluemix
```

3. Connect to API end point.

```
ibmcloud api https://api.eu-gb.bluemix.net
```

4. Log in to your IBM Cloud Account.

```
ibmcloud login
```

If you have a federated ID , use `ibmcloud login --so` to log into IBM Cloud CLI.

5. Set the **Organization** as b2bgateways and **Space** as Production.

```
ibmcloud target -o b2bgateways -s production
```

6. Log your local Docker Daemon into the IBM Cloud Container Registry.

```
ibmcloud cr login
```

7. Download the image as indicated in the release email from IBM for the 1.0.1 release.

8. For Example:

```
docker pull registry.eu-gb.bluemix.net/ibm-b2b-  
gateways/b2bac:1.0.1.0
```

The Docker service is up and running on the Ubuntu 20.04.

DOCKER IMAGE CREATION

```
root@docker20 ~#  
root@docker20 ~# systemctl start docker  
root@docker20 ~# systemctl enable docker  
Created symlink /etc/systemd/system/multi-user.target.wants/docker.service → /lib/systemd/system/docker.service.  
root@docker20 ~#  
root@docker20 ~# systemctl status docker  
● docker.service - Docker Application Container Engine  
   Loaded: loaded (/lib/systemd/system/docker.service; enabled; vendor preset: enabled)  
   Active: active (running) since Tue 2020-05-26 07:06:19 UTC; 9s ago  
TriggeredBy: ● docker.socket  
   Docs: https://docs.docker.com  
  Main PID: 30441 (dockerd)  
    Tasks: 8  
   Memory: 35.3M  
   CGroup: /system.slice/docker.service  
           └─30441 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock
```

```
docker run hello-world
```

Hello from Docker!

This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:

- 1. The Docker client contacted the Docker daemon.*
- 2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
(amd64)*
- 3. The Docker daemon created a new container from that image which runs the
executable that produces the output you are currently reading.*
- 4. The Docker daemon streamed that output to the Docker client, which sent it
to your terminal.*

To try something more ambitious, you can run an Ubuntu container with:

```
$ docker run -it ubuntu bash
```

Share images, automate workflows, and more with a free Docker ID:

<https://hub.docker.com/>

For more examples and ideas, visit:

<https://docs.docker.com/get-started/>

DOCKER IMAGE CREATION

