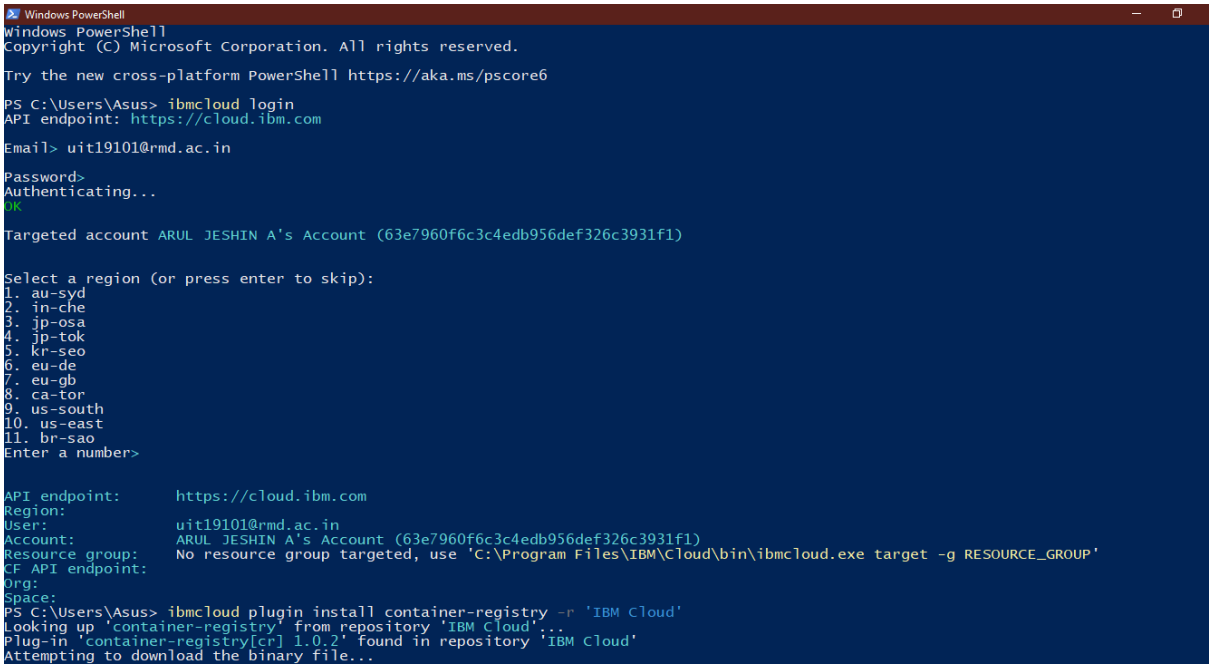
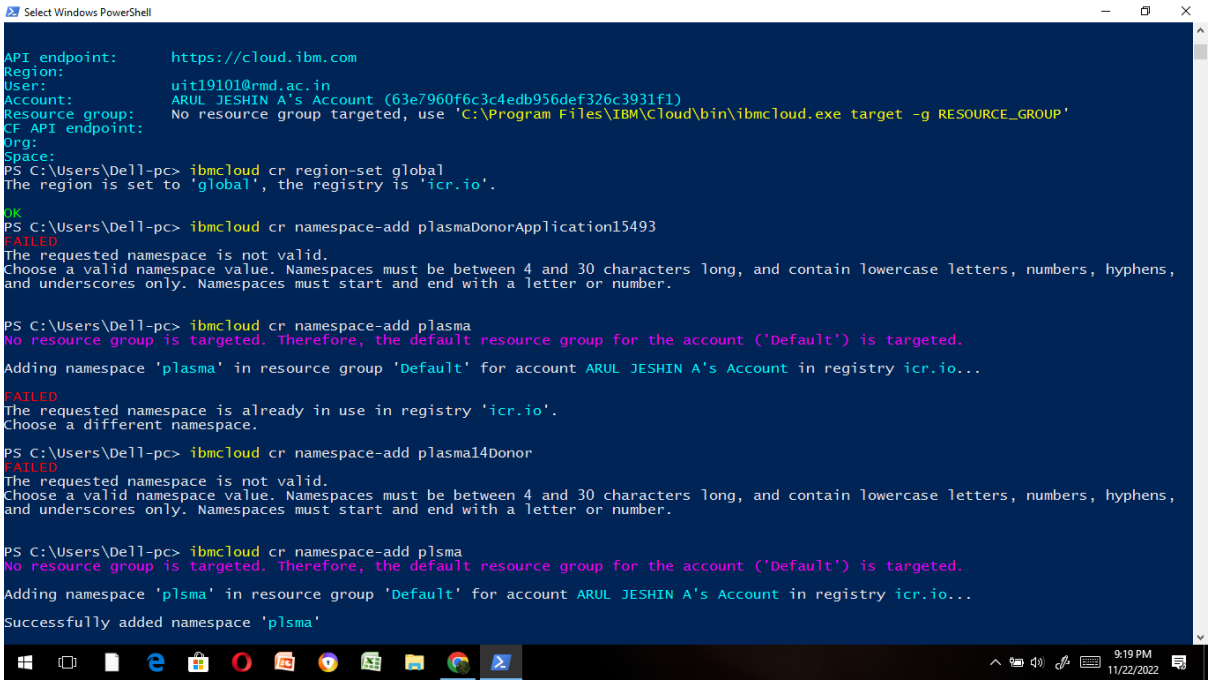
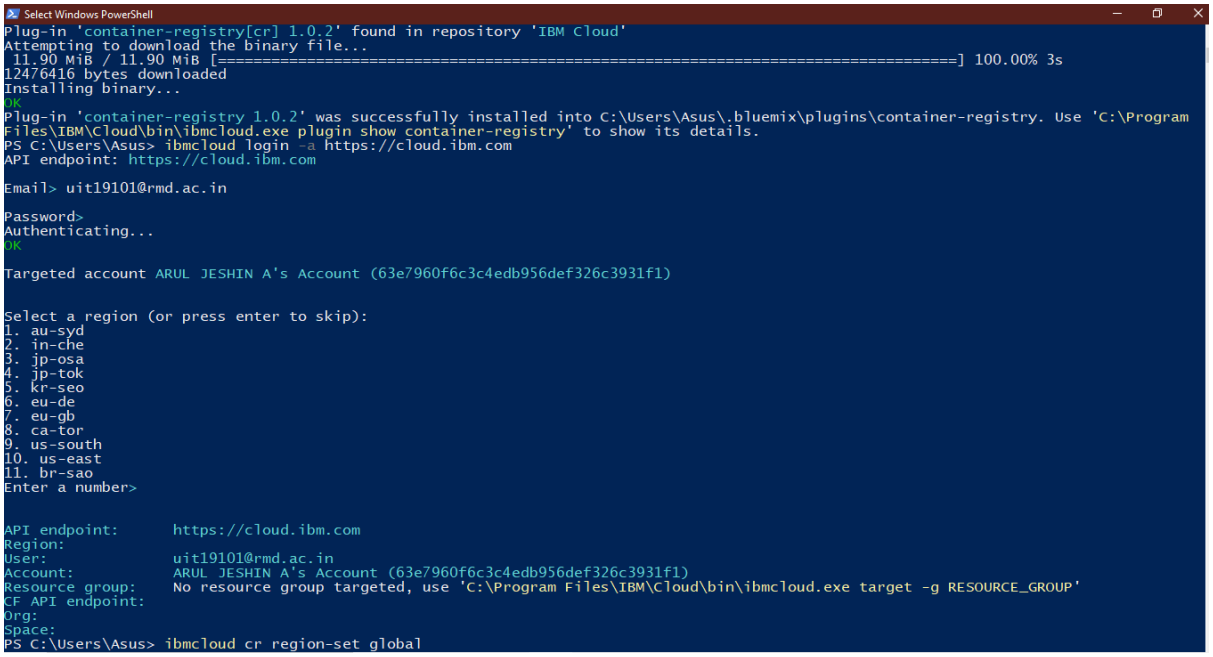
Deployment of App in IBM Cloud

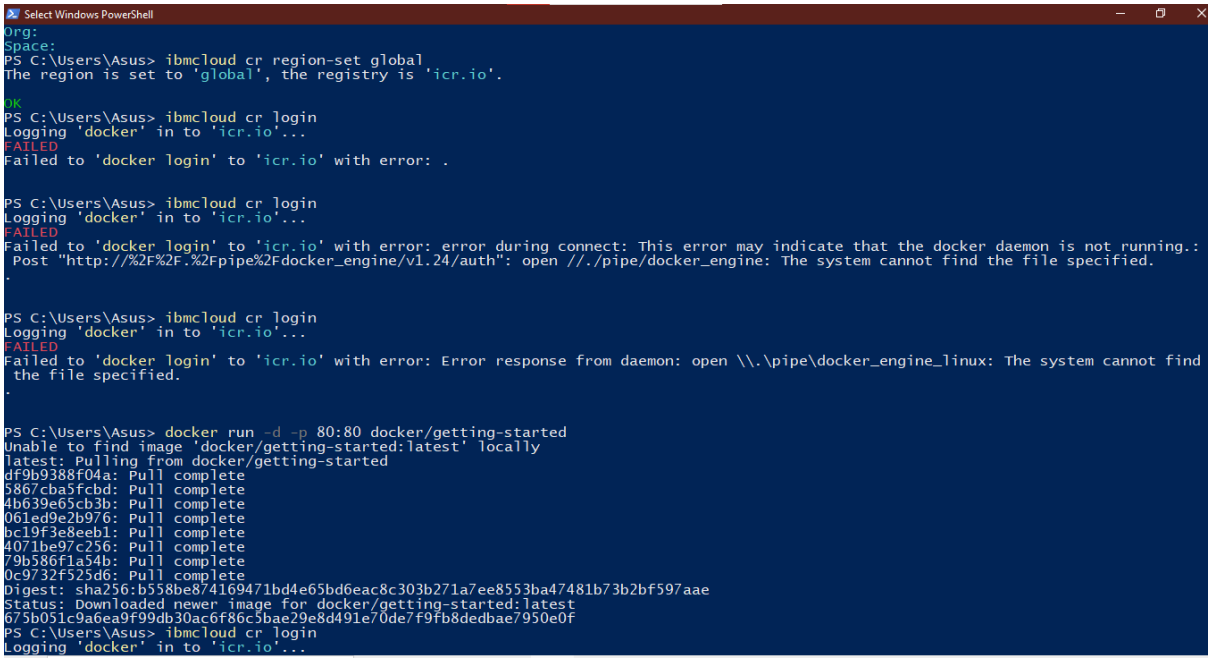
Upload image in ibm container registry.

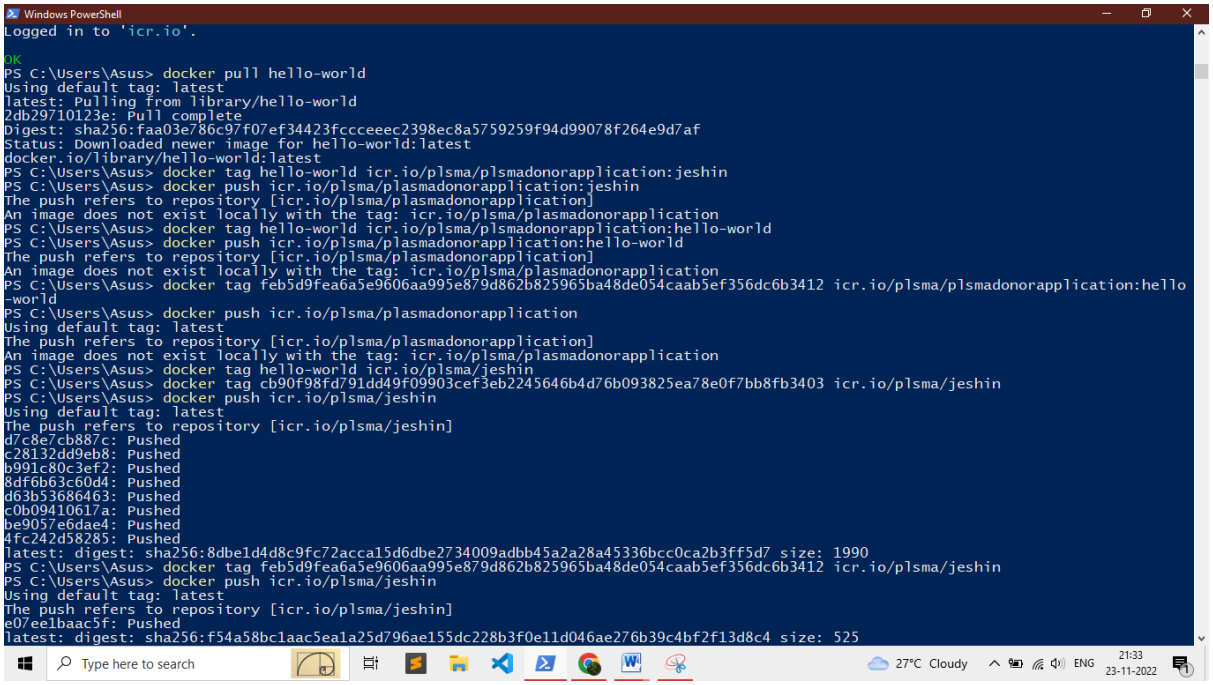
Team ID	PNT2022TMID15493
Project Name	Plasma Donor Application

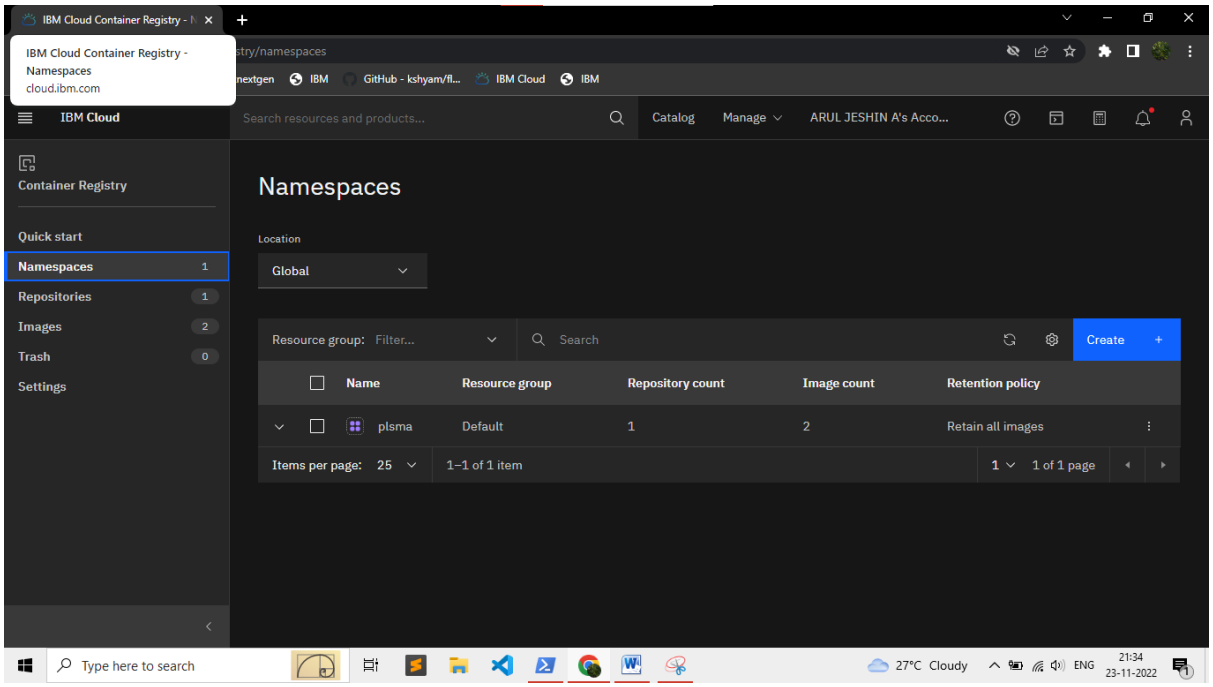


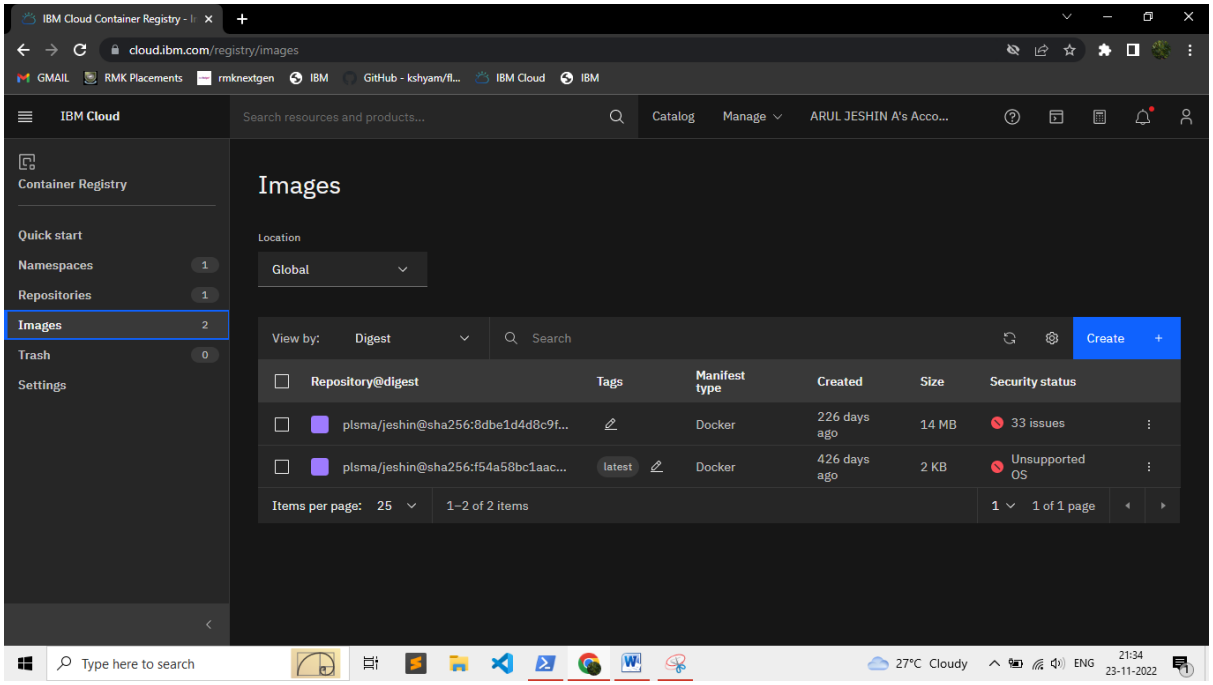


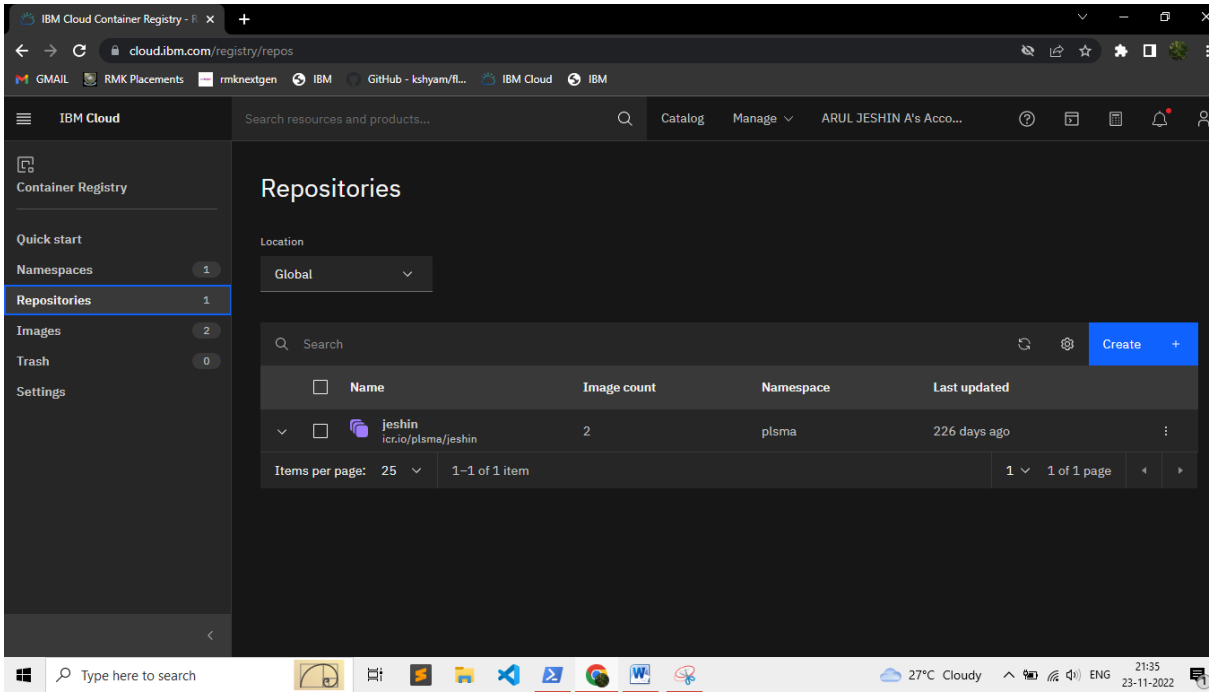

Select Windows PowerShell
Plug-in 'container-registry[cr] 1.0.2' found in repository 'IBM Cloud'
Attempting to download the binary file...
11.90 MiB / 11.90 MiB [==========] 100.00% 3s
12476416 bytes downloaded
Installing binary...
OK
Plug-in 'container-registry 1.0.2' was successfully installed into C:\Users\Asus\.bluemix\plugins\container-registry. Use 'C:\Program Files\IBM\Cloud\bin\ibmcloud.exe plugin show container-registry' to show its details.
PS C:\Users\Asus> ibmcloud login -a https://cloud.ibm.com
API endpoint: https://cloud.ibm.com
Email> uit19101@rmd.ac.in
Password>
Authenticating...
OK
Targeted account ARUL JESHIN A's Account (63e7960f6c3c4edb956def326c3931f1)
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>
API endpoint: https://cloud.ibm.com
Region:
User: uit19101@rmd.ac.in
Account: ARUL JESHIN A's Account (63e7960f6c3c4edb956def326c3931f1)
Resource group: No resource group targeted, use 'C:\Program Files\IBM\Cloud\bin\ibmcloud.exe target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:
PS C:\Users\Asus> ibmcloud cr region-set global

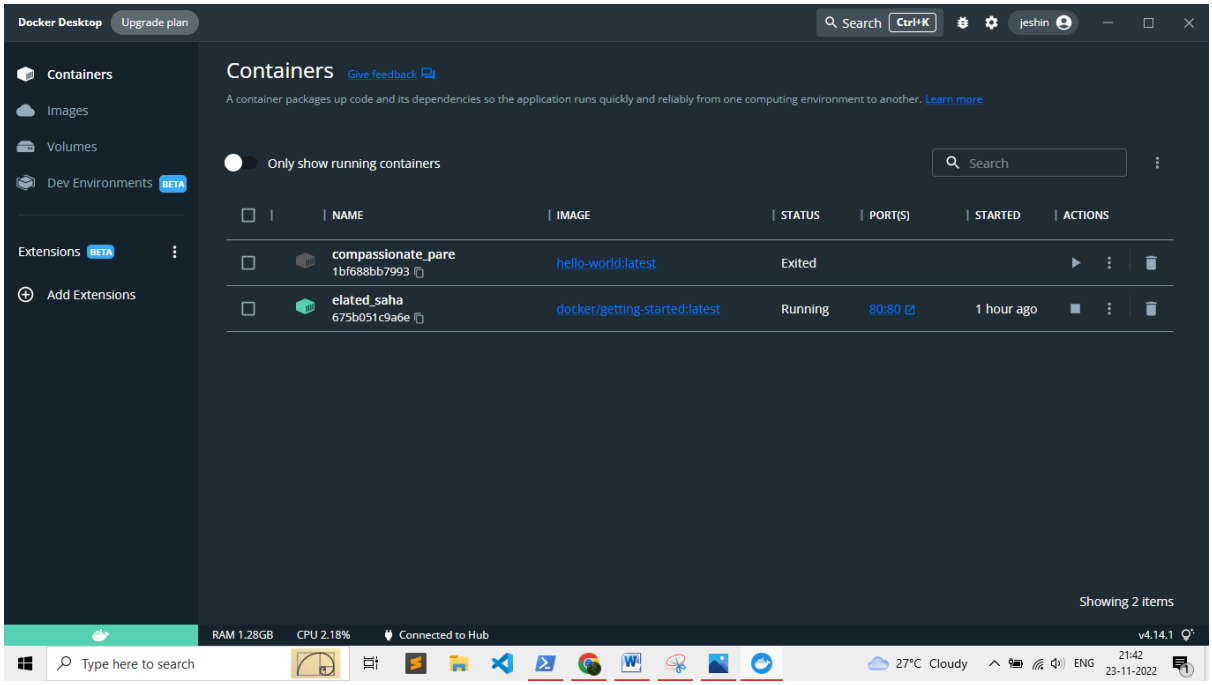

Select Windows PowerShell
Org:
Space:
PS C:\Users\Asus> ibmcloud cr region-set global
The region is set to 'global', the registry is 'icr.io'.
OK
PS C:\Users\Asus> ibmcloud cr login
Logging 'docker' in to 'icr.io'...
FAILED
Failed to 'docker login' to 'icr.io' with error: .
PS C:\Users\Asus> ibmcloud cr login
Logging 'docker' in to 'icr.io'...
FAILED
Failed to 'docker login' to 'icr.io' with error: error during connect: This error may indicate that the docker daemon is not running.: Post "http://%2F%2F.%2Fpipe%2Fdocker_engine/v1.24/auth": open //./pipe/docker_engine: The system cannot find the file specified.
.
PS C:\Users\Asus> ibmcloud cr login
Logging 'docker' in to 'icr.io'...
FAILED
Failed to 'docker login' to 'icr.io' with error: Error response from daemon: open \\.\pipe\docker_engine_linux: The system cannot find the file specified.
.
PS C:\Users\Asus> docker run -d -p 80:80 docker/getting-started
Unable to find image 'docker/getting-started:latest' locally
latest: Pulling from docker/getting-started
df9b9388f04a: Pull complete
5867cba5fcbd: Pull complete
4b639e65cb3b: Pull complete
061ed9e2b976: Pull complete
bc19f3e8eeb1: Pull complete
4071be97c256: Pull complete
79b586f1a54b: Pull complete
0c9732f525d6: Pull complete
Digest: sha256:b558be874169471bd4e65bd6eac8c303b271a7ee8553ba47481b73b2bf597aae
Status: Downloaded newer image for docker/getting-started:latest
675b051c9a6ea9f99db30ac6f86c5bae29e8d491e70de7f9fb8dedbae7950e0f
PS C:\Users\Asus> ibmcloud cr login
Logging 'docker' in to 'icr.io'...

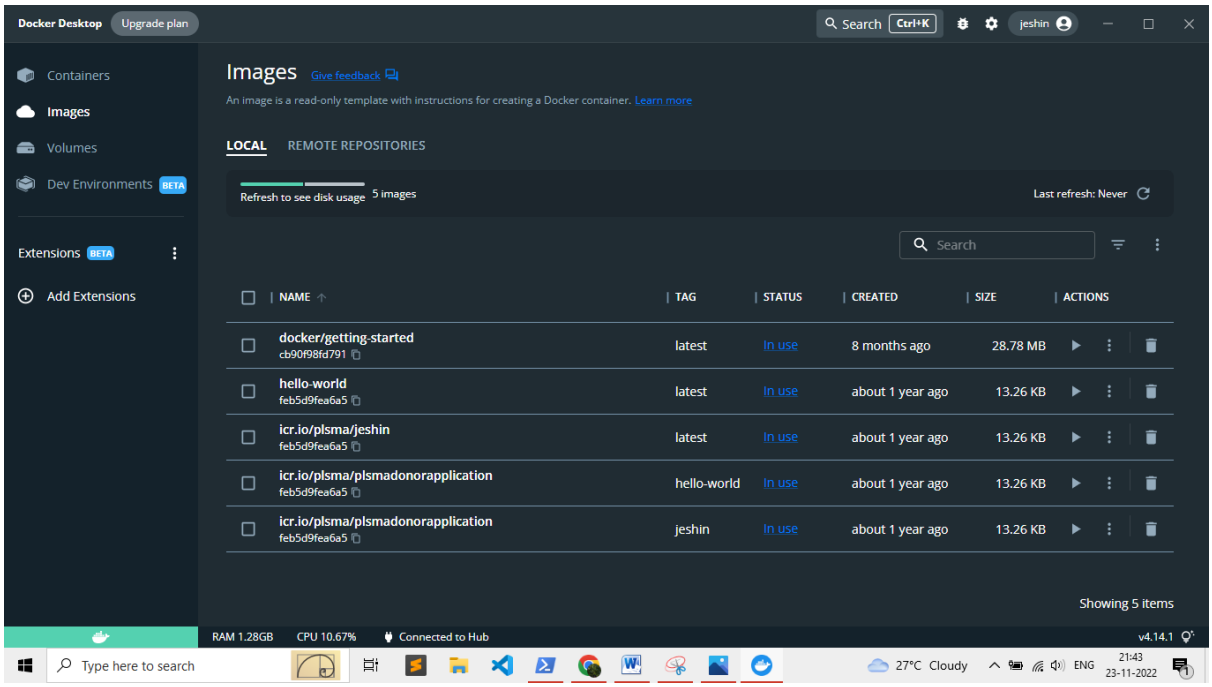

Windows PowerShell
Logged in to 'icr.io'.
OK
PS C:\Users\Asus> docker pull hello-world
Using default tag: latest
latest: Pulling from library/hello-world
2db29710123e: Pull complete
Digest: sha256:faa03e786c97f07ef34423fcceeeec2398ec8a5759259f94d99078f264e9d7af
Status: Downloaded newer image for hello-world:latest
docker.io/library/hello-world:latest
PS C:\Users\Asus> docker tag hello-world icr.io/plsma/plsmadonorapplication:jeshin
PS C:\Users\Asus> docker push icr.io/plsma/plasmadonorapplication:jeshin
The push refers to repository [icr.io/plsma/plasmadonorapplication]
An image does not exist locally with the tag: icr.io/plsma/plasmadonorapplication
PS C:\Users\Asus> docker tag hello-world icr.io/plsma/plsmadonorapplication:hello-world
PS C:\Users\Asus> docker push icr.io/plsma/plasmadonorapplication:hello-world
The push refers to repository [icr.io/plsma/plasmadonorapplication]
An image does not exist locally with the tag: icr.io/plsma/plasmadonorapplication
PS C:\Users\Asus> docker tag feb5d9fea6a5e9606aa995e879d862b825965ba48de054caab5ef356dc6b3412 icr.io/plsma/plsmadonorapplication:hello-world
PS C:\Users\Asus> docker push icr.io/plsma/plasmadonorapplication
Using default tag: latest
The push refers to repository [icr.io/plsma/plasmadonorapplication]
An image does not exist locally with the tag: icr.io/plsma/plasmadonorapplication
PS C:\Users\Asus> docker tag hello-world icr.io/plsma/jeshin
PS C:\Users\Asus> docker tag cb90f98fd791dd49f09903cef3eb2245646b4d76b093825ea78e0f7bb8fb3403 icr.io/plsma/jeshin
PS C:\Users\Asus> docker push icr.io/plsma/jeshin
Using default tag: latest
The push refers to repository [icr.io/plsma/jeshin]
d7c8e7cb887c: Pushed
c28132dd9eb8: Pushed
b991c80c3ef2: Pushed
8df6b63c60d4: Pushed
d63b53686463: Pushed
c0b09410617a: Pushed
be9057e6dae4: Pushed
4fc242d58285: Pushed
latest: digest: sha256:8dbe1d4d8c9fc72acca15d6dbe2734009adbb45a2a28a45336bcc0ca2b3ff5d7 size: 1990
PS C:\Users\Asus> docker tag feb5d9fea6a5e9606aa995e879d862b825965ba48de054caab5ef356dc6b3412 icr.io/plsma/jeshin
PS C:\Users\Asus> docker push icr.io/plsma/jeshin
Using default tag: latest
The push refers to repository [icr.io/plsma/jeshin]
e07ee1baac5f: Pushed
latest: digest: sha256:f54a58bc1aac5ea1a25d796ae155dc228b3f0e11d046ae276b39c4bf2f13d8c4 size: 525
Type here to search
27°C Cloudy
ENG
21:33
23-11-2022


IBM Cloud Container Registry - Namespaces
cloud.ibm.com
IBM Cloud
Search resources and products...
Catalog
Manage
ARUL JESHIN A's Acco...
Container Registry
Quick start
Namespaces 1
Repositories 1
Images 2
Trash 0
Settings
Namespaces
Location
Global
Resource group: Filter...
Search
Create
Name
Resource group
Repository count
Image count
Retention policy
plsma
Default
1
2
Retain all images
Items per page: 25
1–1 of 1 item
1 of 1 page
Type here to search
27°C Cloudy
ENG
21:34
23-11-2022

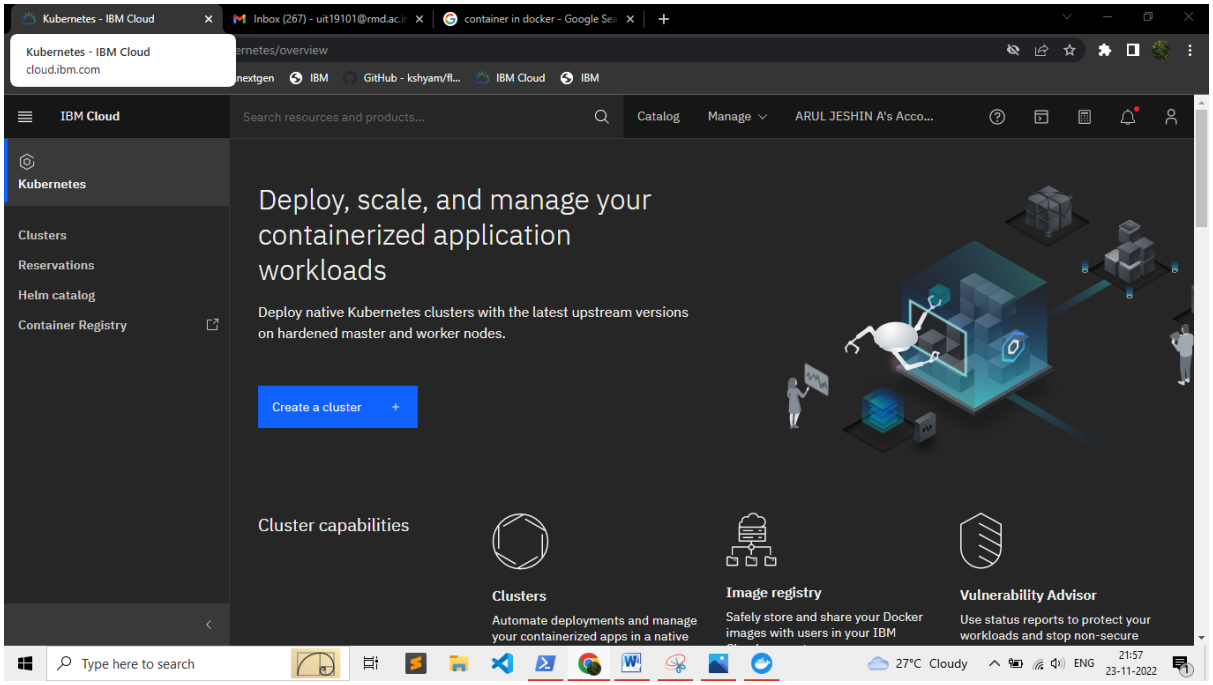

IBM Cloud Container Registry
cloud.ibm.com/registry/images
GMAIL
RMK Placements
rmknextgen
IBM
GitHub - kshyam/fl...
IBM Cloud
IBM
IBM Cloud
Search resources and products...
Catalog
Manage
ARUL JESHIN A's Acco...
Container Registry
Quick start
Namespaces 1
Repositories 1
Images 2
Trash 0
Settings
Images
Location
Global
View by: Digest
Search
Create
Repository@digest
Tags
Manifest type
Created
Size
Security status
plsma/jeshin@sha256:8dbe1d4d8c9f...
Docker
226 days ago
14 MB
33 issues
plsma/jeshin@sha256:f54a58bc1aac...
latest
Docker
426 days ago
2 KB
Unsupported OS
Items per page: 25
1–2 of 2 items
1 of 1 page
Type here to search
27°C Cloudy
ENG
21:34
23-11-2022

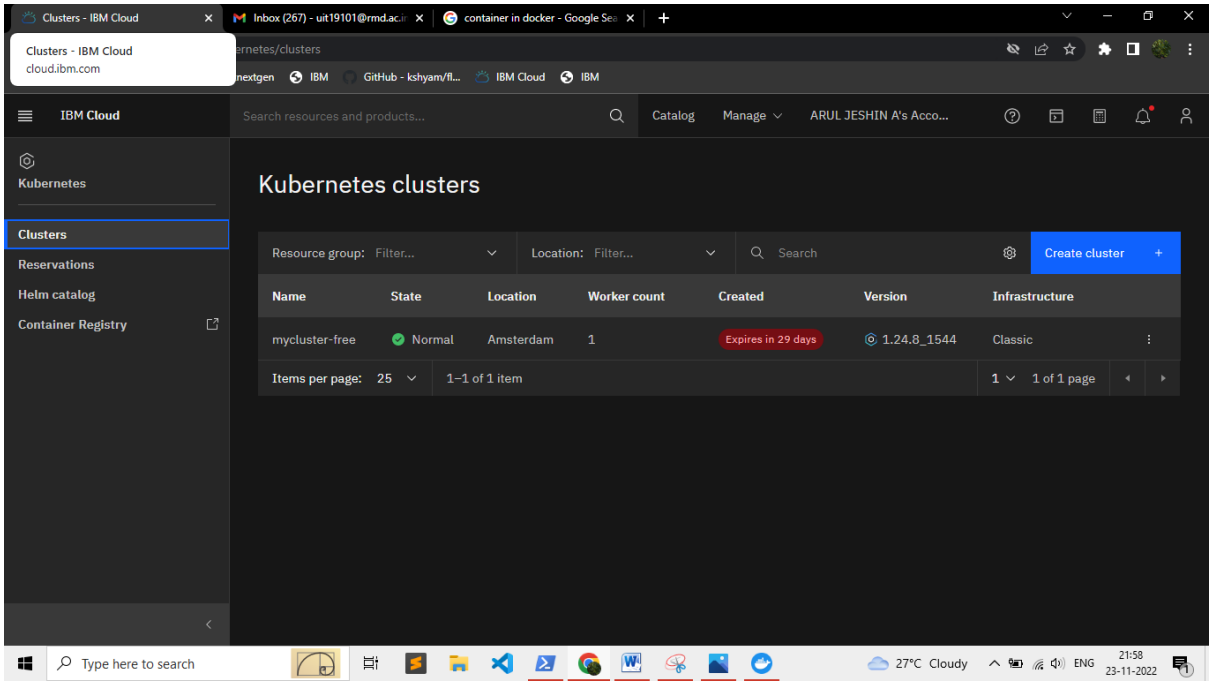

IBM Cloud Container Registry
cloud.ibm.com/registry/repos
GMAIL
RMK Placements
rmknextgen
IBM
GitHub - kshyam/fl...
IBM Cloud
IBM
IBM Cloud
Search resources and products...
Catalog
Manage
ARUL JESHIN A's Acco...
Container Registry
Quick start
Namespaces 1
Repositories 1
Images 2
Trash 0
Settings
Repositories
Location
Global
Search
Create
Name
Image count
Namespace
Last updated
jeshin
icr.io/plsma/jeshin
2
plsma
226 days ago
Items per page: 25
1–1 of 1 item
1 of 1 page
Type here to search
27°C Cloudy
ENG
21:35
23-11-2022

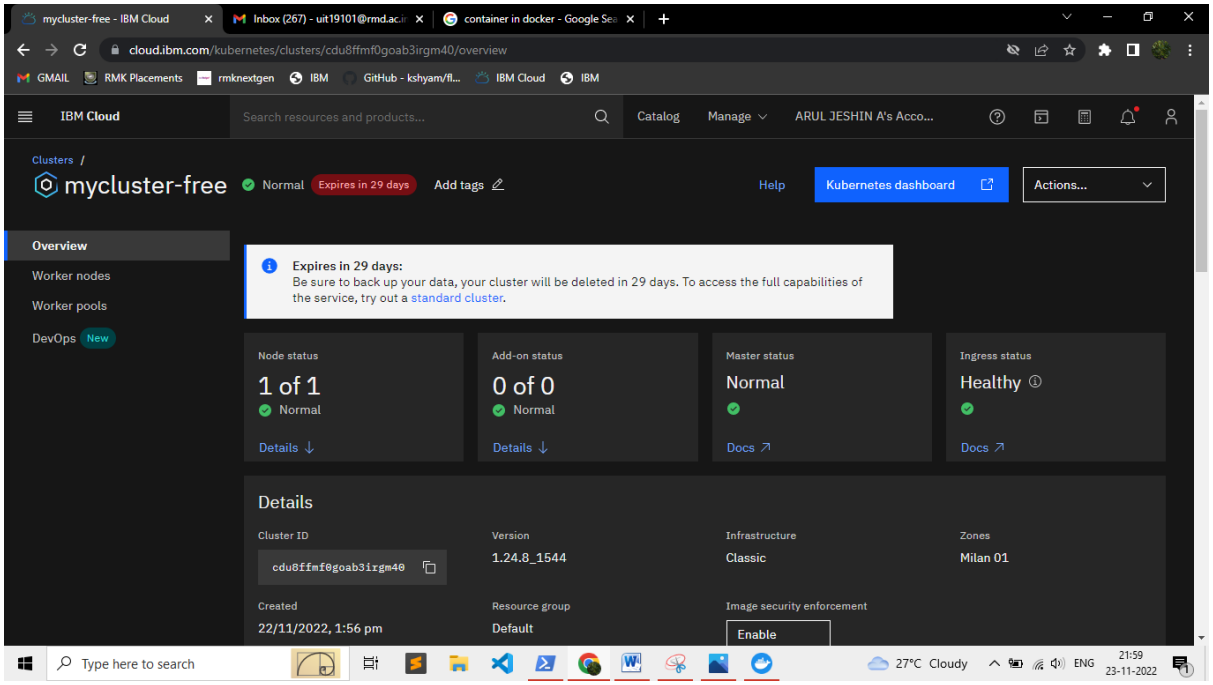

Docker Desktop
Upgrade plan
Search Ctrl+K
jeshin
Containers
Images
Volumes
Dev Environments BETA
Extensions BETA
Add Extensions
Containers
Give feedback
A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. Learn more
Only show running containers
Search
NAME
IMAGE
STATUS
PORT(S)
STARTED
ACTIONS
compassionate_pare
1bf688bb7993
hello-world:latest
Exited
elated_saha
675b051c9a6e
docker/getting-started:latest
Running
80:80
1 hour ago
Showing 2 items
RAM 1.28GB
CPU 2.18%
Connected to Hub
v4.14.1
Type here to search
27°C Cloudy
ENG
21:42
23-11-2022

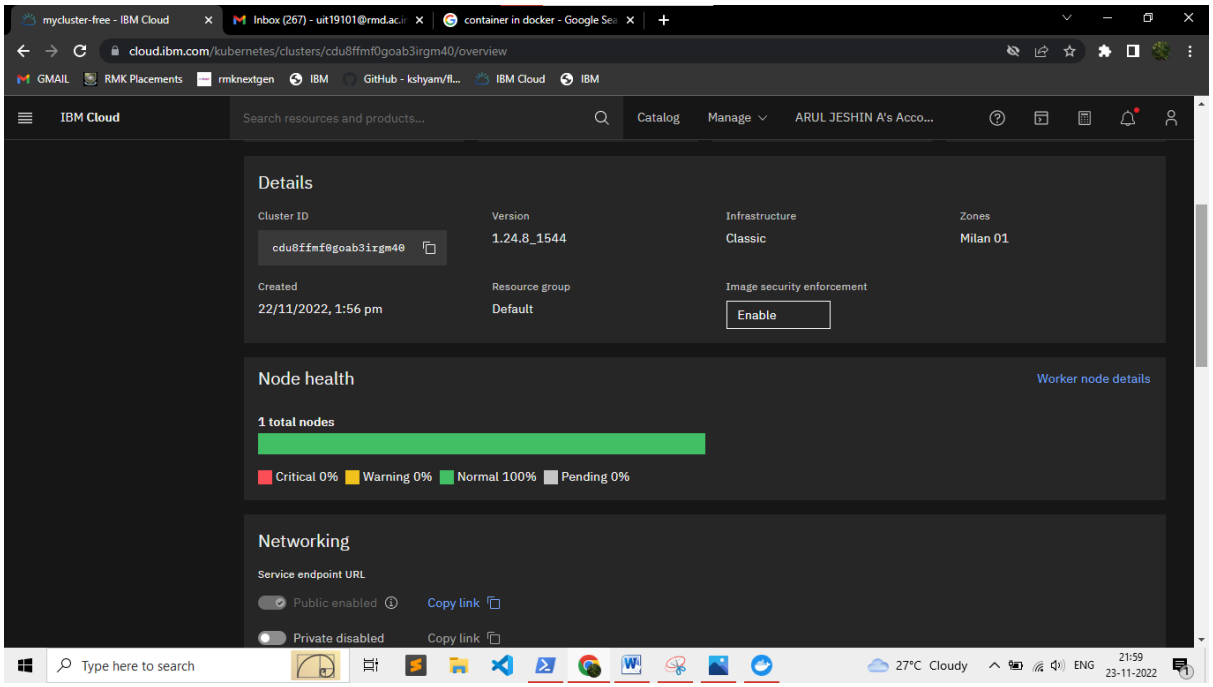

Docker Desktop
Upgrade plan
Search Ctrl+K
jeshin
Containers
Images
Volumes
Dev Environments BETA
Extensions BETA
Add Extensions
Images
Give feedback
An image is a read-only template with instructions for creating a Docker container. Learn more
LOCAL
REMOTE REPOSITORIES
Refresh to see disk usage
5 images
Last refresh: Never
Search
NAME
TAG
STATUS
CREATED
SIZE
ACTIONS
docker/getting-started
cb90f98fd791
latest
In use
8 months ago
28.78 MB
hello-world
feb5d9fea6a5
latest
In use
about 1 year ago
13.26 KB
icr.io/plsma/jeshin
feb5d9fea6a5
latest
In use
about 1 year ago
13.26 KB
icr.io/plsma/plsmadonorapplication
feb5d9fea6a5
hello-world
In use
about 1 year ago
13.26 KB
icr.io/plsma/plsmadonorapplication
feb5d9fea6a5
jeshin
In use
about 1 year ago
13.26 KB
Showing 5 items
RAM 1.28GB
CPU 10.67%
Connected to Hub
v4.14.1
Type here to search
27°C Cloudy
ENG
21:43
23-11-2022

DEPLOY IN KUBERNETES CLUSTER:






mycluster-free - IBM Cloud
Inbox (267) - uit19101@rmd.ac.in
container in docker - Google Sea
cloud.ibm.com/kubernetes/clusters/cdu8ffmf0goab3irgm40/overview
GMAIL
RMK Placements
rmknextgen
IBM
GitHub - kshyam/fl...
IBM Cloud
IBM
IBM Cloud
Search resources and products...
Catalog
Manage
ARUL JESHIN A's Acco...
Clusters /
mycluster-free
Normal
Expires in 29 days
Add tags
Help
Kubernetes dashboard
Actions...
Overview
Worker nodes
Worker pools
DevOps
New
Expires in 29 days:
Be sure to back up your data, your cluster will be deleted in 29 days. To access the full capabilities of the service, try out a standard cluster.
Node status
1 of 1
Normal
Details
Add-on status
0 of 0
Normal
Details
Master status
Normal
Docs
Ingress status
Healthy
Docs
Details
Cluster ID
cdu8ffmf0goab3irgm40
Version
1.24.8_1544
Infrastructure
Classic
Zones
Milan 01
Created
22/11/2022, 1:56 pm
Resource group
Default
Image security enforcement
Enable
Type here to search
27°C Cloudy
ENG
21:59
23-11-2022


mycluster-free - IBM Cloud
Inbox (267) - uit19101@rmd.ac.in
container in docker - Google Sea
cloud.ibm.com/kubernetes/clusters/cdu8ffmf0goab3irgm40/overview
GMAIL
RMK Placements
rmknextgen
IBM
GitHub - kshyam/fl...
IBM Cloud
IBM
IBM Cloud
Search resources and products...
Catalog
Manage
ARUL JESHIN A's Acco...
Details
Cluster ID
cdu8ffmf0goab3irgm40
Version
1.24.8_1544
Infrastructure
Classic
Zones
Milan 01
Created
22/11/2022, 1:56 pm
Resource group
Default
Image security enforcement
Enable
Node health
Worker node details
1 total nodes
Critical 0%
Warning 0%
Normal 100%
Pending 0%
Networking
Service endpoint URL
Public enabled
Copy link
Private disabled
Copy link
Type here to search
27°C Cloudy
ENG
21:59
23-11-2022