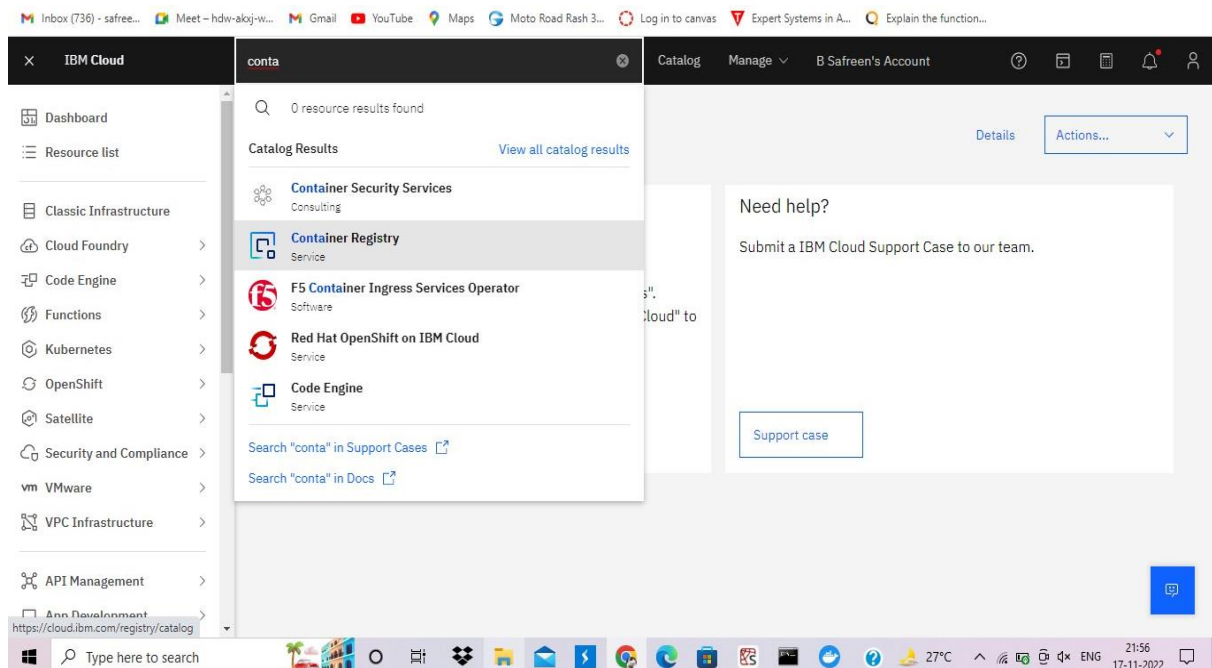


Upload Image to IBM Container Registry

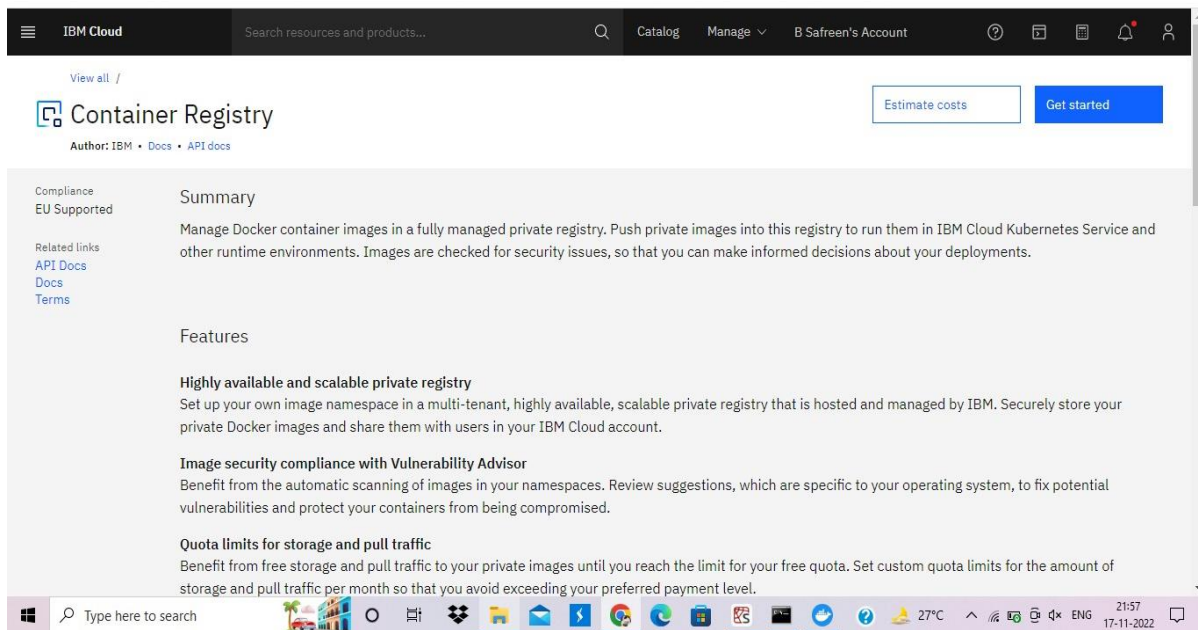
Upload Image to Container Registry

Date	19 November 2022
Team ID	PNT2022TMID23044
Project Name	Skill/Job Recommender Application

Step 1. Login to cloud.ibm.com and in the catalog , search for the IBM container Registry Service



Step 2: Click Get started button to start uploading image to container Registry



IBM Cloud

Search resources and products...

View all /

Container Registry

Author: IBM • Docs • API docs

Estimate costs

Get started

Compliance
EU Supported

Related links
[API Docs](#)
[Docs](#)
[Terms](#)

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.

Type here to search

21:57
17-11-2022

Step 3: Open command prompt and run the following command to install container registry in ibmcloud

```
Command Prompt

IBMCLLOUD_API_KEY=api_key_value      API Key used for login
IBMCLLOUD_CR_VPC_URL=url_value        The custom server URL to use when obtaining an instance identity token and IAM token as a VPC VSI compute resource. This value will replace the default server endpoint of the VPC VSI instance identity token service.
IBMCLLOUD_CR_TOKEN=cr_token_value     Compute resource token used for login. Can either be a token string or a path to a @file.
IBMCLLOUD_CR_PROFILE=profile_value    The name, ID, or CRN of the linked trusted IAM profile to be used when obtaining the IAM access token. If authenticating as a VPC VSI compute resource, only specifying a trusted profile CRN or ID is supported.
IBMCLLOUD_TRACE=true                 Print API request diagnostics to stdout
IBMCLLOUD_TRACE=path/to/trace.log     Append API request diagnostics to a log file
IBMCLLOUD_HOME=path/to/dir           Path to config directory

GLOBAL OPTIONS:
--version, -v                        Print the version
--help, -h                          Show help

C:\Users\91936>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% 3s
12476416 bytes downloaded
Installing binary...
OK
Plug-in 'container-registry 1.0.2' was successfully installed into C:\Users\91936\.bluemix\plugins\container-registry. Use 'ibmcloud plugin show container-registry' to show its details.
```

Step 4: Login to your ibmcloud account using command prompt

```
Command Prompt
Microsoft Windows [Version 10.0.22000.1219]
(c) Microsoft Corporation. All rights reserved.

C:\Users\91984>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'
Plug-in 'container-registry 1.0.2' was already installed. Do you want to update it with 'container-registry[cr] 1.0.2' or not? [y/N] > n
Plugin installation was canceled.

C:\Users\91984>ibmcloud login -a https://cloud.ibm.com
API endpoint: https://cloud.ibm.com

Email> ramyme1510@gmail.com

Password>
Authenticating...
[OK]

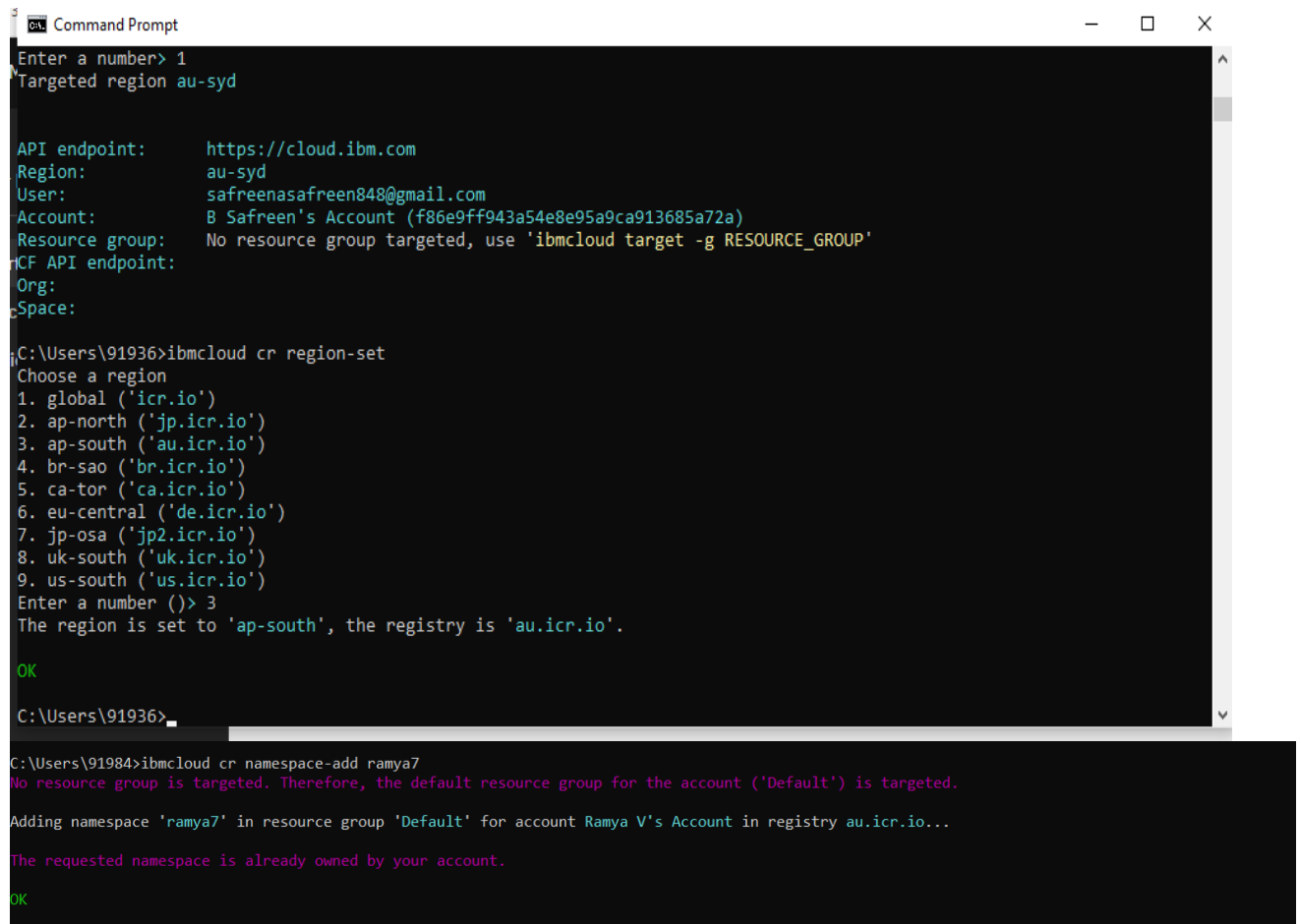
Targeted account Ramya V's Account (aae3f35297824ec6ae40dae89e2449a4)

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> ibmcloud cr region-set ap-south
Please enter a number between 1 to 11.
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> 1
Targeted region au-syd
```

Step 5: Create the namespace and set the region

The screenshot shows the IBM Cloud Container Registry interface. The left sidebar contains navigation links: Container Registry, Quick start, Namespaces (1), Repositories (1), Images (1), Trash (0), and Settings. The main content area is titled 'Namespaces' and shows a table of namespaces. The location is set to 'Sydney'. The table has columns for Name, Resource group, Repository count, Image count, and Retention policy. A namespace named 'ramya7' is listed under the 'Default' resource group, with 1 repository and 1 image. The retention policy is 'Retain all images'. The bottom of the page shows a taskbar with various application icons and a system tray with the date and time (22:06, 19-11-2022).

Name	Resource group	Repository count	Image count	Retention policy
ramya7	Default	1	1	Retain all images



```
Command Prompt
Enter a number> 1
Targeted region au-syd

API endpoint:      https://cloud.ibm.com
Region:           au-syd
User:             safreenasafreen848@gmail.com
Account:          B Safreen's Account (f86e9ff943a54e8e95a9ca913685a72a)
Resource group:   No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'
CCF API endpoint:
Org:
Space:

C:\Users\91936>ibmcloud cr region-set
Choose a region
1. global ('icr.io')
2. ap-north ('jp.icr.io')
3. ap-south ('au.icr.io')
4. br-sao ('br.icr.io')
5. ca-tor ('ca.icr.io')
6. eu-central ('de.icr.io')
7. jp-osa ('jp2.icr.io')
8. uk-south ('uk.icr.io')
9. us-south ('us.icr.io')
Enter a number (>) 3
The region is set to 'ap-south', the registry is 'au.icr.io'.

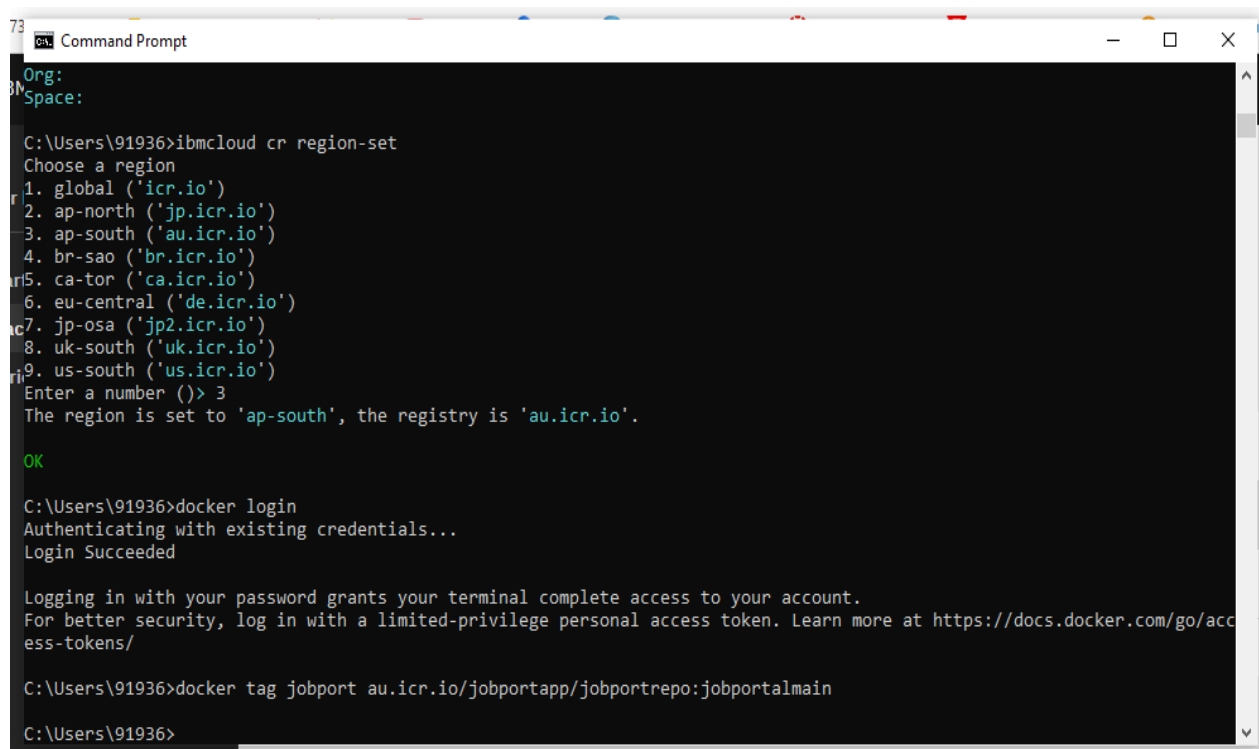
OK

C:\Users\91936>

C:\Users\91984>ibmcloud cr namespace-add ramya7
No resource group is targeted. Therefore, the default resource group for the account ('Default') is targeted.
Adding namespace 'ramya7' in resource group 'Default' for account Ramya V's Account in registry au.icr.io...
The requested namespace is already owned by your account.

OK
```

Step 6: Log your local Docker daemon into the IBM Cloud Container Registry.



```
Command Prompt

Org:
Space:

C:\Users\91936>ibmcloud cr region-set
Choose a region
1. global ('icr.io')
2. ap-north ('jp.icr.io')
3. ap-south ('au.icr.io')
4. br-sao ('br.icr.io')
5. ca-tor ('ca.icr.io')
6. eu-central ('de.icr.io')
7. jp-osa ('jp2.icr.io')
8. uk-south ('uk.icr.io')
9. us-south ('us.icr.io')
Enter a number (>) 3
The region is set to 'ap-south', the registry is 'au.icr.io'.

OK

C:\Users\91936>docker login
Authenticating with existing credentials...
Login Succeeded

Logging in with your password grants your terminal complete access to your account.
For better security, log in with a limited-privilege personal access token. Learn more at https://docs.docker.com/go/access-tokens/

C:\Users\91936>docker tag jobport au.icr.io/jobportapp/jobportrepo:jobportalmain

C:\Users\91936>
```

Step 7: Choose a repository and tag by which you can identify the image and Push the image

```
Command Prompt - docker push au.icr.io/jobportapp/jobportrepo:jobportalmain
Logging 'docker' in to 'au.icr.io'...
Logged in to 'au.icr.io'.

OK

C:\Users\91936>docker tag jobport au.icr.io/jobportapp/jobportrepo:jobportalmain

C:\Users\91936>docker push au.icr.io/jobportapp/jobportrepo:jobportalmain
The push refers to repository [au.icr.io/jobportapp/jobportrepo]
b8fe1e369d21: Pushed
3786788c7f4e: Pushing [ > ] 2.195MB/185.2MB
114e522d274b: Pushed
dd9b5036aede: Pushing [===== > ] 2.181MB/6.111MB
9ddbdc579246: Pushed
345c9e42b8e4: Waiting
24bf8dd8c4a6: Waiting
18bbb218c890: Waiting
e6e9854ca999: Waiting
397a239a053b: Waiting
89c3244a87b2: Waiting
80231db1194c: Waiting
f1c1f2298584: Waiting
ccba29d69370: Waiting
```

```
C:\Users\91936>ibmcloud cr image-list
Listing images...

Repository          Tag          Digest          Namespace      Created      Size      Security status
au.icr.io/jobportapp/jobportrepo  jobportalmain  ae04871a6a4c    jobportapp     10 hours ago  454 MB    -

OK

C:\Users\91936>
```

cloud.ibm.com/registry/repos

IBM Cloud

Search resources and products...

Container Registry

Quick start

Namespaces 1

Repositories 1

Images 1

Trash 0

Settings

Repositories

Location: Sydney

Search

Create +

Name	Image count	Namespace	Last updated
▼ ramyarepo au.icr.io/ramya7/ramyarepo	1	ramya7	1 day ago

Items per page: 25 1-1 of 1 item

1 1 of 1 page

Upload Image to IB...docx Cancelled

Upload Image to IB...docx

Upload Image to IB...pdf

Show all

23°C Mostly clear

Search

ENG IN

22:08 19-11-2022