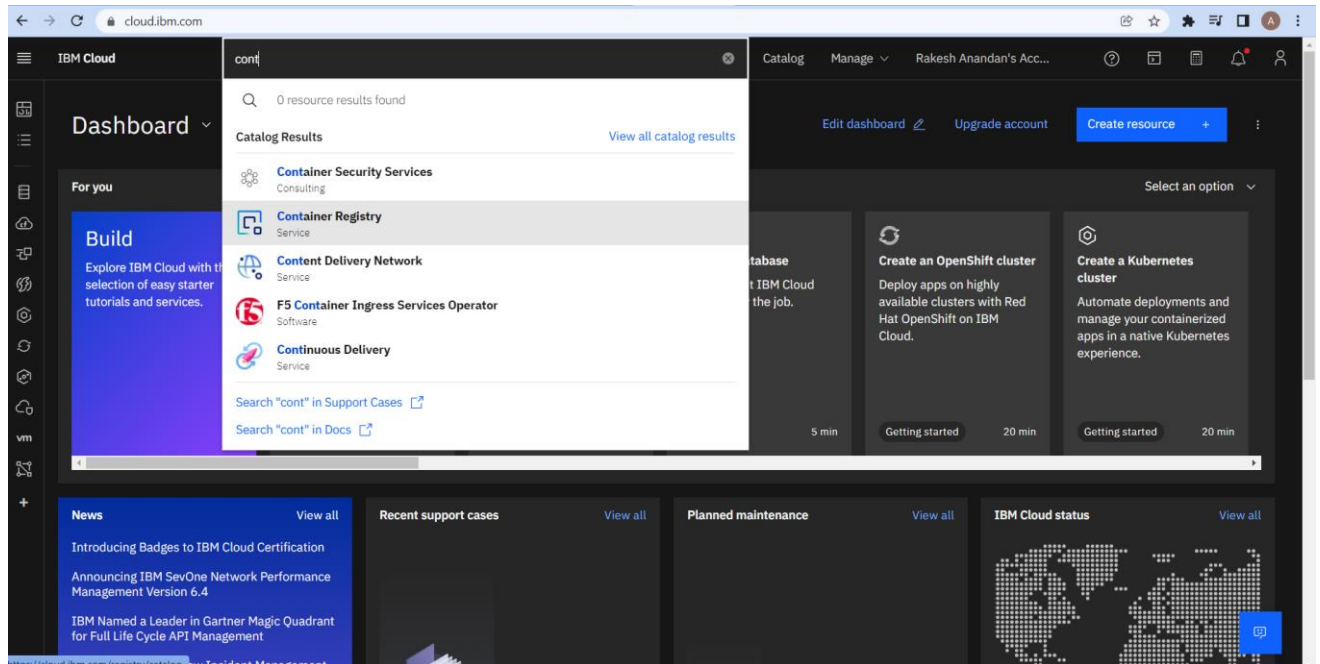


## Upload Image to IBM Container Registry

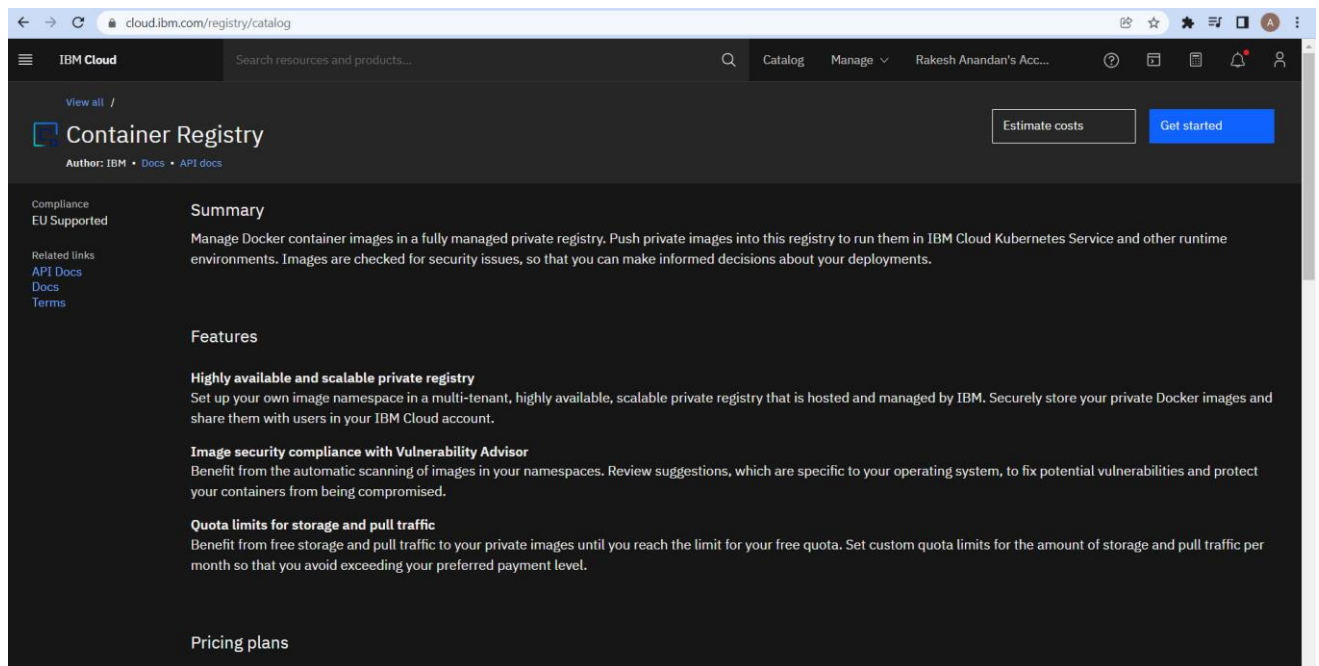
### Upload Image to Container Registry

Date	17 November 2022
Team ID	PNT2022TMID23042
Project Name	Containment Zone Alerting 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



**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

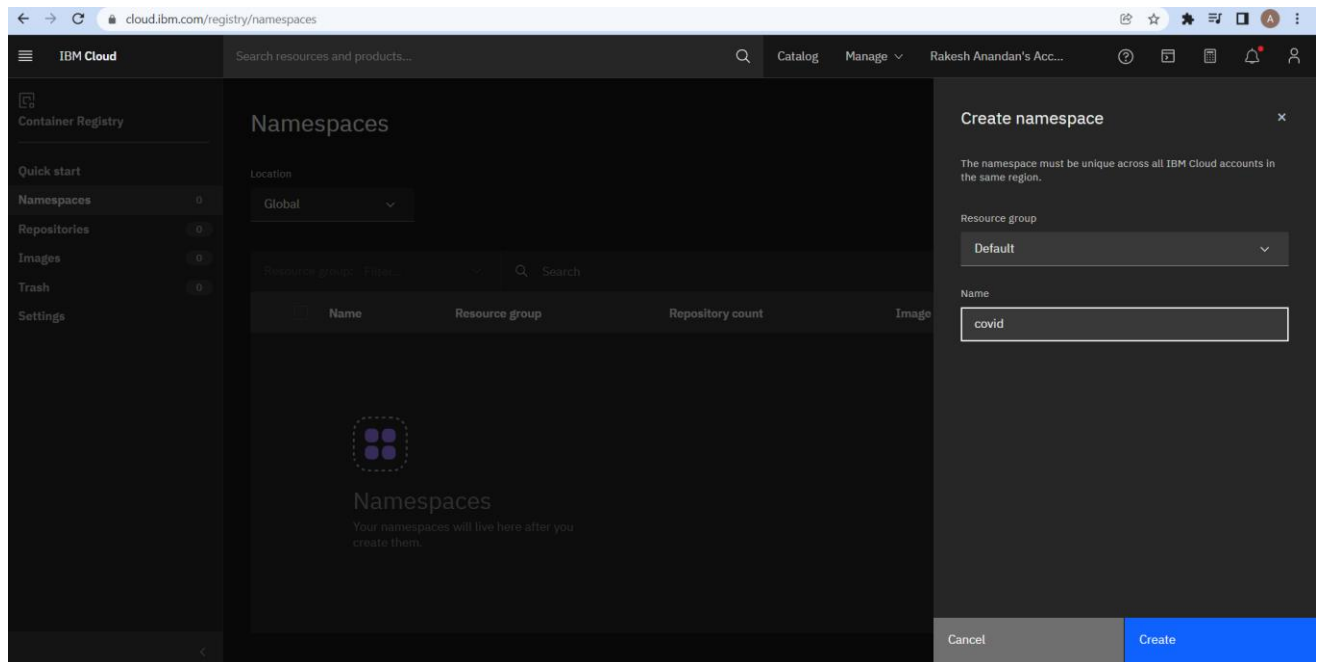
GLOBAL OPTIONS:
--version, -v                        Print the version
--help, -h                          Show help

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.

C:\Users\91936>
```

**Step 4:** Login to your ibmcloud account using command prompt

**Step 5:** Create the namespace and set the region



```
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'
ICF 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>
```

**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:jobportmain

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>
```

Windows taskbar at the bottom shows: Search bar, taskbar icons, system tray with 27°C, and date/time 08:04 18-11-2022.