

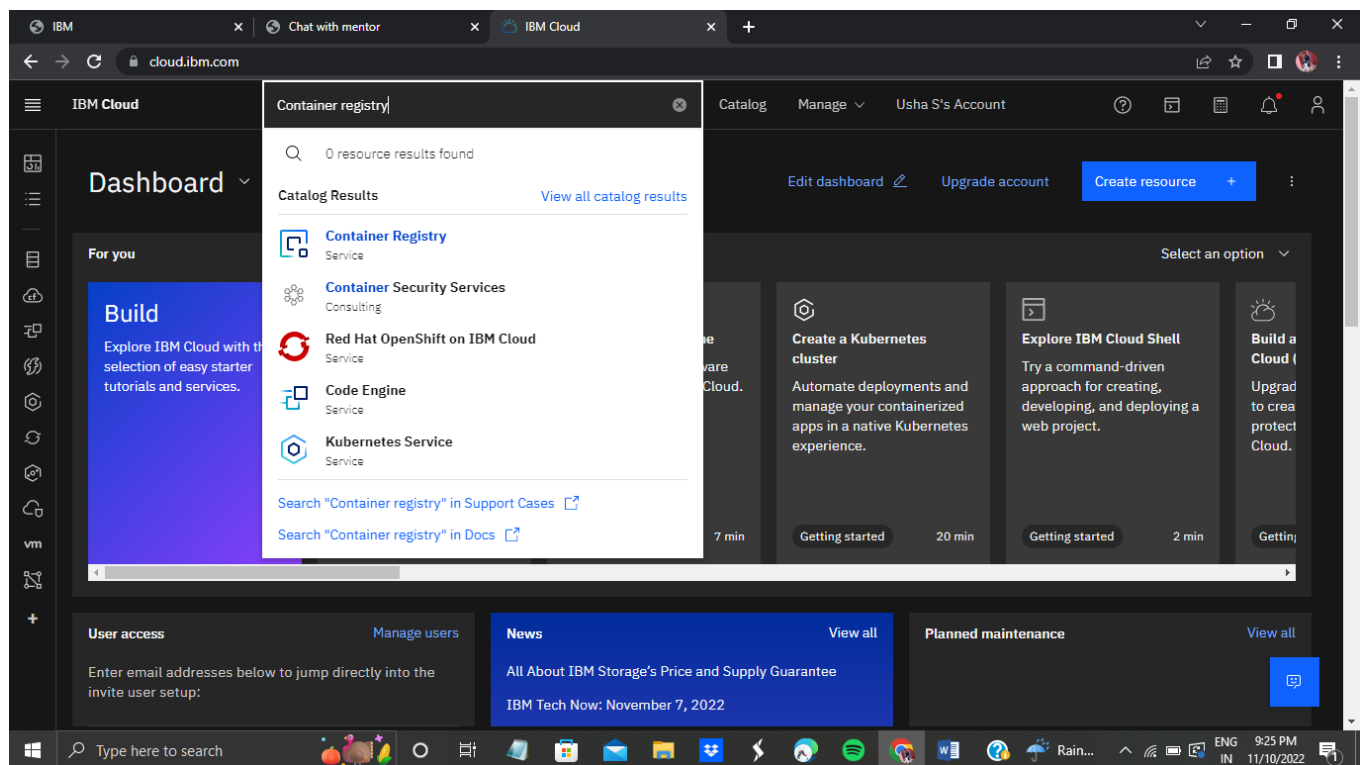
Setting Up Application Environment Install

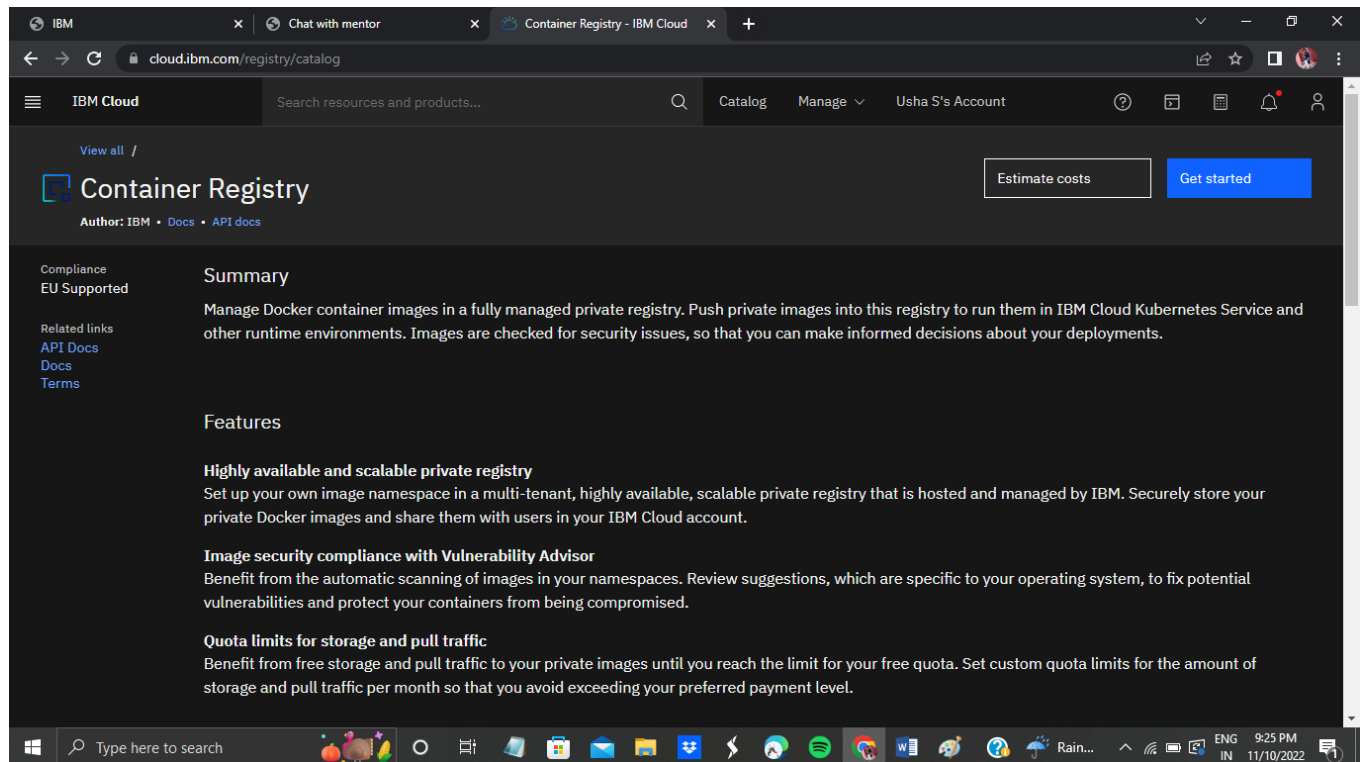
IBM Cloud CLI

Date	10 November 2022
Team ID	PNT2022TMID29623
Project Name	Skill and Job Recommender Application

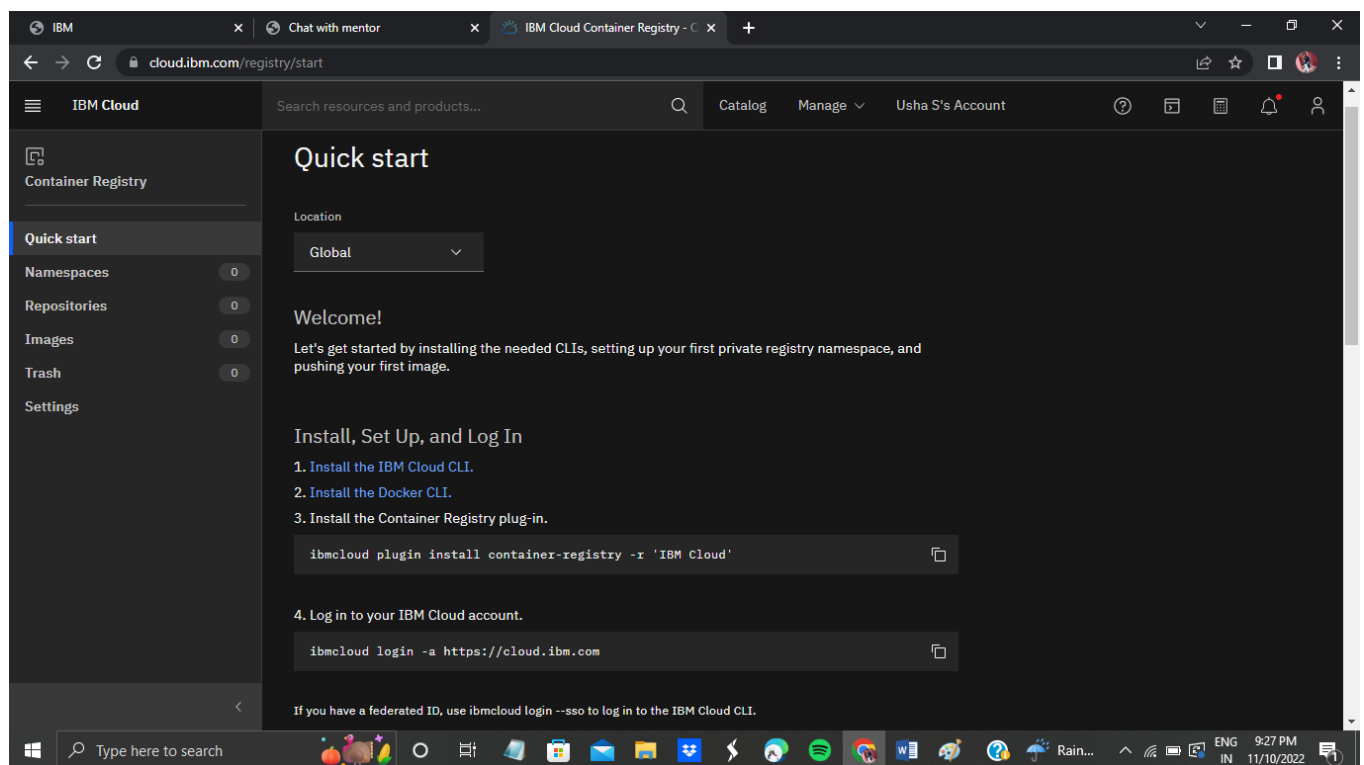
Step 1:

Login to your IBM Cloud <https://cloud.ibm.com/login> and in search bar you can type **Container registry** and click to get started.





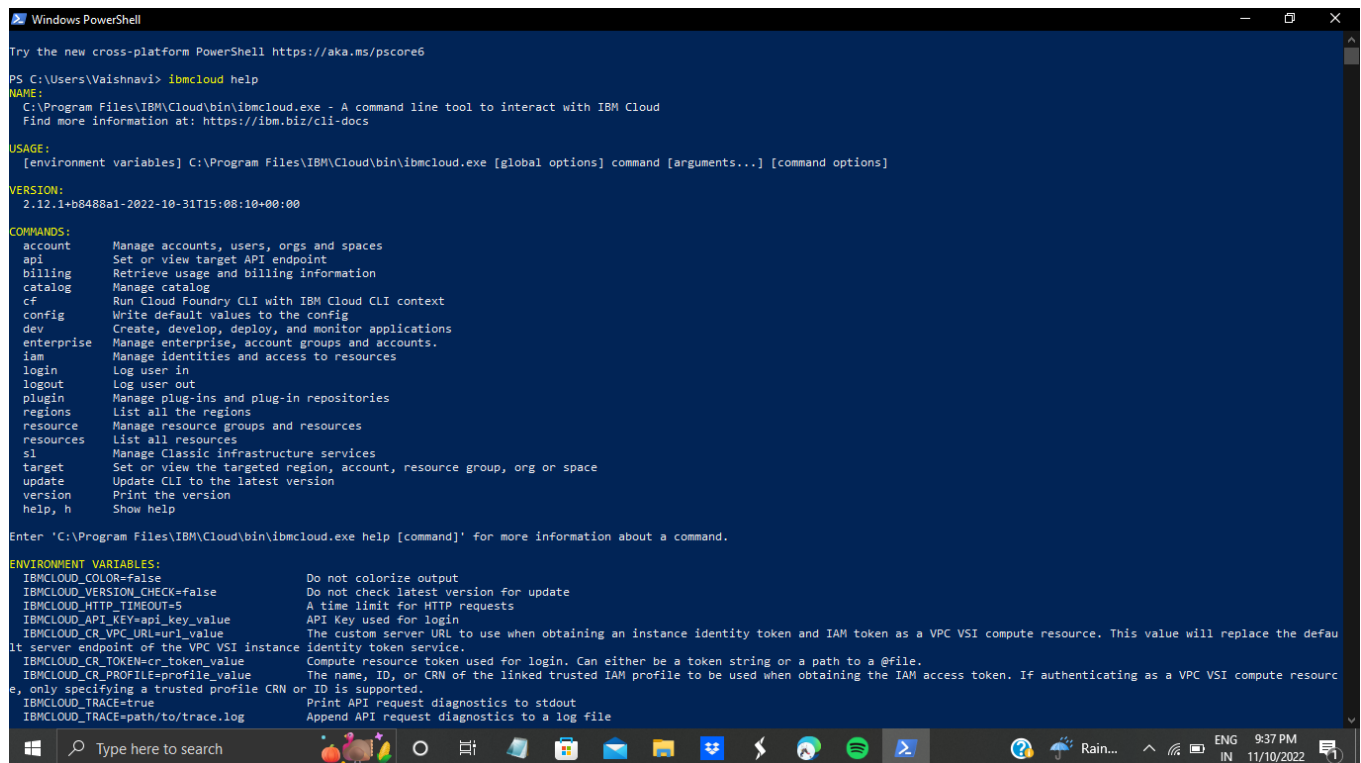
Step 2: Click → Install the IBM Cloud CLI and Follow the given instructions.



Step 3:

Run the command in power shell,

(New-Object Net.WebClient).DownloadString('https://clis.cloud.ibm.com/install/powershell')



```
Windows PowerShell
Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Vaishnavi> ibmcloud help
NAME:
  C:\Program Files\IBM\Cloud\bin\ibmcloud.exe - A command line tool to interact with IBM Cloud
  Find more information at: https://ibm.biz/cli-docs

USAGE:
  [environment variables] C:\Program Files\IBM\Cloud\bin\ibmcloud.exe [global options] command [arguments...] [command options]

VERSION:
  2.12.1+b8488a1-2022-10-31T15:08:10+00:00

COMMANDS:
  account      Manage accounts, users, orgs and spaces
  api          Set or view target API endpoint
  billing      Retrieve usage and billing information
  catalog      Manage catalog
  cf           Run Cloud Foundry CLI with IBM Cloud CLI context
  config       Write default values to the config
  dev          Create, develop, deploy, and monitor applications
  enterprise   Manage enterprise, account groups and accounts.
  iam          Manage identities and access to resources
  login        Log user in
  logout       Log user out
  plugin       Manage plug-ins and plug-in repositories
  regions      List all the regions
  resource     Manage resource groups and resources
  resources    List all resources
  sl           Manage Classic infrastructure services
  target       Set or view the targeted region, account, resource group, org or space
  update       Update CLI to the latest version
  version      Print the version
  help, h      Show help

Enter 'C:\Program Files\IBM\Cloud\bin\ibmcloud.exe help [command]' for more information about a command.

ENVIRONMENT VARIABLES:
  IBMCLCLOUD_COLOR=false      Do not colorize output
  IBMCLCLOUD_VERSION_CHECK=false Do not check latest version for update
  IBMCLCLOUD_HTTP_TIMEOUT=5    A time limit for HTTP requests
  IBMCLCLOUD_API_KEY=api_key_value API Key used for login
  IBMCLCLOUD_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.
  IBMCLCLOUD_CR_TOKEN=cr_token_value Compute resource token used for login. Can either be a token string or a path to a @file.
  IBMCLCLOUD_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.
  IBMCLCLOUD_TRACE=true        Print API request diagnostics to stdout
  IBMCLCLOUD_TRACE=path/to/trace.log Append API request diagnostics to a log file
```

Step 4:

Enter the command

```
Windows PowerShell
IBMCLD_HOME=path/to/dir          Path to config directory

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

PS C:\Users\Vaishnavi> ibmcloud login
API endpoint: https://cloud.ibm.com

Email> shadiksha14@gmail.com

Password>
Authenticating...
OK

Targeted account Usha S's Account (fb3095c3063e46408c004cb2cfe4df2e)

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> 4
Targeted region jp-tok

API endpoint:      https://cloud.ibm.com
Region:           jp-tok
User:             shadiksha14@gmail.com
Account:          Usha S's Account (fb3095c3063e46408c004cb2cfe4df2e)
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\Vaishnavi> ibmcloud plugin install container_registry -r 'IBM Cloud'
Looking up 'container_registry' from repository 'IBM Cloud'...
FAILED
Plug-in 'container_registry' was not found in repository 'IBM Cloud'.
Use 'C:\Program Files\IBM\Cloud\bin\ibmcloud.exe plugin repo-plugins -r 'IBM Cloud'' to list plugins available in the repo.

PS C:\Users\Vaishnavi> plugin install container-registry -r 'IBM Cloud'
plugin : The term 'plugin' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the spelling of the name, or if a path was included, verify that the
```

Step 5:

Run all the command one by one

```
Windows PowerShell

Plug-in 'container-registry 1.0.2' was successfully installed into C:\Users\Vaishnavi\bluemix\plugins\container-registry. Use 'C:\Program Files\IBM\Cloud\bin\ibmcloud.exe plugin show containe
r-registry' to show its details.
PS C:\Users\Vaishnavi> ibmcloud login -a https://cloud.ibm.com
API endpoint: https://cloud.ibm.com

Email> shadiksha14@gmail.com

Password>
Authenticating...
OK

Targeted account Usha S's Account (fb3095c3063e46408c004cb2cfe4df2e)

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> 4
Targeted region jp-tok

API endpoint:      https://cloud.ibm.com
Region:           jp-tok
User:             shadiksha14@gmail.com
Account:          Usha S's Account (fb3095c3063e46408c004cb2cfe4df2e)
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\Vaishnavi> ibmcloud cr namespace-add magick
No resource group is targeted. Therefore, the default resource group for the account ('Default') is targeted.
Adding namespace 'magick' in resource group 'Default' for account Usha S's Account in registry jp.icr.io...
FAILED
The requested namespace is already in use in registry 'jp.icr.io'.
Choose a different namespace.

PS C:\Users\Vaishnavi> ibmcloud cr namespace-add magi
No resource group is targeted. Therefore, the default resource group for the account ('Default') is targeted.
```

Step 6:

Finally, you will get the IBM CLOUD CLI in your desktop

```
Windows PowerShell
ll. br-sao
Enter a number> 4
Targeted region jp-tok

API endpoint: https://cloud.ibm.com
Region: jp-tok
User: shadikshal4@gmail.com
Account: Usha S's Account (fb3095c3063e46408c004cb2cfe4df2e)
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\Vaishnavi> ibmcloud cr namespace-add magick
No resource group is targeted. Therefore, the default resource group for the account ('Default') is targeted.
Adding namespace 'magick' in resource group 'Default' for account Usha S's Account in registry jp.icr.io...
FAILED
The requested namespace is already in use in registry 'jp.icr.io'.
Choose a different namespace.
PS C:\Users\Vaishnavi> ibmcloud cr namespace-add magi
No resource group is targeted. Therefore, the default resource group for the account ('Default') is targeted.
Adding namespace 'magi' in resource group 'Default' for account Usha S's Account in registry jp.icr.io...
Successfully added namespace 'magi'

PS C:\Users\Vaishnavi> docker push jp.icr.io/magi/docker:latest
error during connect: This error may indicate that the docker daemon is not running.: Post "http://%2F%2F%2Fpipe%2Fdocker_engine/v1.24/images/jp.icr.io/magi/docker/push?tag=latest": open //./pipe/docker_engine: The system cannot find the file specified.
PS C:\Users\Vaishnavi> docker push jp.icr.io/magi/docker:latest
The push refers to repository [jp.icr.io/magi/docker]
An image does not exist locally with the tag: jp.icr.io/magi/docker
PS C:\Users\Vaishnavi>
```