

Push image to IBM Container-Registry

Team ID	PNT2022TMID29857
Title	Push image to IBM container registry
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Question:

1. Install IBM cloud container plug-ins

```
Windows PowerShell
PS C:\Users\RISHI> ibmcloud plugin show container-registry

Plugin Name           container-registry
Plugin Version        1.0.2
Plugin SDK Version     1.0.0
Minimal IBM Cloud CLI version required 0.4.2
Private endpoints supported true

Commands:
cr                               Manage IBM Cloud Container Registry content and configuration.
cr info                         Display information about the current IBM Cloud Container Registry command session.
cr namespace-add               Add a namespace to your account. You must set at least one namespace to store images in IBM Cloud Container Registry.
cr namespace-assign            Assign a currently unassigned namespace to the targeted resource group.
cr namespace-rm                Delete a namespace from your account, and also delete all images within that namespace.
cr namespace-list, namespaces List namespaces for your account.
cr api                         Display IBM Cloud Container Registry API endpoint.
cr image-list, images          List your tagged images in IBM Cloud Container Registry.
cr image-digests, digests      List all your images in IBM Cloud Container Registry by digest.
cr image-prune-untagged        Delete all your untagged images in IBM Cloud Container Registry.
cr image-rm                    Delete one or more images from IBM Cloud Container Registry.
cr image-inspect               Inspect one or more images in IBM Cloud Container Registry.
cr manifest-inspect            Inspect an image manifest in IBM Cloud Container Registry.
cr image-tag                    Create a new tag, TARGET_IMAGE, that refers to a source image, SOURCE_IMAGE, in IBM Cloud Container Registry.
cr image-untag                 Remove tags from one or more images in IBM Cloud Container Registry.
cr login                       Log the local Docker or Podman client in to IBM Cloud Container Registry.
cr vulnerability-assessment, va Display detailed vulnerability assessment reports for one or more images in IBM Cloud Container Registry.
cr quota                       Display information about your IBM Cloud Container Registry quotas.
cr quota-set                    Set your storage and traffic quotas for IBM Cloud Container Registry.
cr plan                         Display information about your IBM Cloud Container Registry pricing plan.
cr plan-upgrade                 Set your pricing plan for IBM Cloud Container Registry.
cr region                       Display the targeted region.
cr region-set                   Set a target region for the IBM Cloud Container Registry commands.
cr exemption-list, exemptions List your exemptions for security issues.
cr exemption-add                Create an exemption for a security issue. You can create an exemption for a security issue that applies to different scope
s. The scope can be the account, namespace, repository, tag, or digest.
cr exemption-rm                 Delete an exemption for a security issue. To view your existing exemptions, run 'ibmcloud cr exemption-list'.
cr exemption-types              Lists the types of security issues that you can exempt.
cr iam-policies-enable          If you are using IAM authentication, this command enables fine-grained authorization.
cr iam-policies-status          Display whether fine-grained authorization is enabled for your account.
cr retention-run                Retains a specified number of images for each repository within a namespace in IBM Cloud Container Registry. All other ima
ges in the namespace are deleted.
```

2. Create Namespace in your IBM cloud container-registry.

Tag and push your image to container-registry using name space.

- Docker tag
- Docker push

```
Windows PowerShell
k8s.gcr.io/kube-apiserver          v1.25.2          97801f839490     7 weeks ago     128MB
k8s.gcr.io/kube-controller-manager v1.25.2          dbfceb93c69b     7 weeks ago     117MB
k8s.gcr.io/kube-scheduler         v1.25.2          ca0ea1ee3cfd     7 weeks ago     50.6MB
k8s.gcr.io/kube-proxy             v1.25.2          1c7d8c51823b     7 weeks ago     61.7MB
kubernetes/dashboard             v2.6.1          783e2b6d87ed     2 months ago    246MB
k8s.gcr.io/pause                  3.8             4873874c08ef     4 months ago    711kB
k8s.gcr.io/etcd                   3.5.4-0         a8a176a5d5d6     5 months ago    300MB
kubernetes/metrics-scraper        v1.0.8          115053965e86     5 months ago    43.8MB
k8s.gcr.io/coredns                v1.9.3          5185b96f0bec     5 months ago    48.8MB
docker/getting-started            latest          cb90f98fd791     7 months ago    28.8MB
docker/desktop-vpnkit-controller v2.0            8c2c38aa676e     18 months ago    21MB
docker/desktop-storage-provisioner v2.0            99f89471f470     18 months ago    41.9MB

PS C:\Users\RIISHI> docker tag docker_with_flask_inventory jp.icr.io/do-fs/docker_with_flask_inventory
Using default tag: latest
The push refers to repository [jp.icr.io/do-fs/docker_with_flask_inventory]
d39020a385be: Preparing
7143fba1c510: Preparing
f36426436017: Preparing
b9c0c0fe7120: Preparing
cf399be408ea: Preparing
793b971ccb99: Waiting
d172a9e6f9e6: Waiting
0c7daf9a72c8: Waiting
75ba02937496: Waiting
288cf3a46e32: Waiting
186da837555d: Waiting
955c9335e041: Waiting
8e079fee2186: Waiting
unauthorized: The login credentials are not valid, or your IBM Cloud account is not active.
PS C:\Users\RIISHI> ibmcloud cr login
Logging 'docker' in to 'jp.icr.io'...
Logged in to 'jp.icr.io'.

OK
PS C:\Users\RIISHI> docker tag docker_with_flask_inventory jp.icr.io/do-fs/docker_with_flask_inventory
PS C:\Users\RIISHI> docker push jp.icr.io/do-fs/docker_with_flask_inventory:latest
The push refers to repository [jp.icr.io/do-fs/docker_with_flask_inventory]
d39020a385be: Pushed
7143fba1c510: Pushed
f36426436017: Pushed
b9c0c0fe7120: Pushed
cf399be408ea: Pushed
793b971ccb99: Pushed
d172a9e6f9e6: Pushing [=====>]          ] 36.38MB/57.18MB
0c7daf9a72c8: Pushed
75ba02937496: Pushing [==>]          ] 27.52MB/528.9MB
288cf3a46e32: Pushing [=====>]          ] 21.43MB/152MB
186da837555d: Pushing [=====>]          ] 11.96MB/18.95MB
955c9335e041: Pushed
8e079fee2186: Pushing [==>]          ] 5.38MB/124.1MB
```

3. Verify that your image in container-registry

IBM Cloud

Container Registry

Quick start

Namespaces1

Repositories1

Images1

Trash0

Settings


Search resources and products...

CatalogManageRishi Ragul R's Account

Images

LocationTokyo

View by: DigestSearchCreate

Repository@digest	Tags	Manifest type	Created	Size	Security status
 do-fs/docker_with_flask_inventory@sha256:a6b2608ddd95...	latest	Docker	1 day ago	357 MB	23 issues

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