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Container Registry

Author: IBM • Docs • API docs

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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.

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Container Registry

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Welcome!

Let's get started by installing the needed CLIs, setting up your first private registry namespace, and pushing your first image.

Install, Set Up, and Log In

1. Install the IBM Cloud CLI.
2. Install the Docker CLI.
3. Install the Container Registry plug-in.

```
ibmcloud plugin install container-registry -r 'IBM Cloud'
```

4. Log in to your IBM Cloud account.

```
ibmcloud login -a https://cloud.ibm.com
```

← → C 🔒 cloud.ibm.com/registry/start

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IBM Cloud Command Line Interface - InstallShield Wizard ✕

Welcome to the InstallShield Wizard for IBM Cloud Command Line Interface

The InstallShield(R) Wizard will allow you to modify, repair, or remove IBM Cloud Command Line Interface. To continue, click Next.

< Back | Next > | Cancel

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

PS C:\Users\ELCOT> 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:
  IBMCLOUD_COLOR=false                Do not colorize output
  IBMCLOUD_VERSION_CHECK=false        Do not check latest version for update
  IBMCLOUD_HTTP_TIMEOUT=5             A time limit for HTTP requests
  IBMCLOUD_API_KEY=api_key_value      API Key used for login
  IBMCLOUD_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 defau
lt server endpoint of the VPC VSI instance identity token service.
  IBMCLOUD_CR_TOKEN=cr_token_value    Compute resource token used for login. Can either be a token string or a path to a @file.
  IBMCLOUD_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 resourc
e, only specifying a trusted profile CRN or ID is supported.
```

```
e, only specifying a trusted profile CRN or ID is supported.
  IBMCLOUD_TRACE=true                    Print API request diagnostics to stdout
  IBMCLOUD_TRACE=path/to/trace.log       Append API request diagnostics to a log file
  IBMCLOUD_HOME=path/to/dir              Path to config directory

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

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

Email> 813819106039@smartinternz.com

Password>
Authenticating...
OK

Targeted account HEMAVATHI R's Account (119646c8025c4eafaba3b59093840655)


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> 2
Targeted region in-che


API endpoint:       https://cloud.ibm.com
Region:             in-che
User:               813819106039@smartinternz.com
Account:            HEMAVATHI R's Account (119646c8025c4eafaba3b59093840655)
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\ELCOT>
```