

Setting Up Application Environment

Install IBM Cloud CLI

Team ID	PNT2022TMID31287
Project Name	Containment Zone Alerting Application

Installing IBM Cloud CLI:

For installing IBM Cloud CLI, run the following command in PowerShell as an administrator:

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

To verify that the CLI was installed successfully, run the help command:

```
ibmcloud help
```

The screenshots are as follows,

```
PS C:\WINDOWS\system32> 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
s1	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
IBMCLCLOUD_HOME=path/to/dir	Path to config directory

GLOBAL OPTIONS:

--version, -v	Print the version
--help, -h	Show help

```
PS C:\WINDOWS\system32>
```

Accessing IBM Account through IBM Cloud CLI:

```
Administrator: Windows PowerShell
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\WINDOWS\system32> ibmcloud login -a https://cloud.ibm.com -u passcode -p NEZ4TrRF41
API endpoint: https://cloud.ibm.com
Authenticating...
OK

Targeted account Jency S's Account (76809fc38da44559bb56b14764d93f20)

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>

API endpoint:      https://cloud.ibm.com
Region:
User:              710719104048@smartinternz.com
Account:           Jency S's Account (76809fc38da44559bb56b14764d93f20)
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:\WINDOWS\system32>
```