

INVENTORY MANAGEMENT SYSTEM FOR RETAILERS

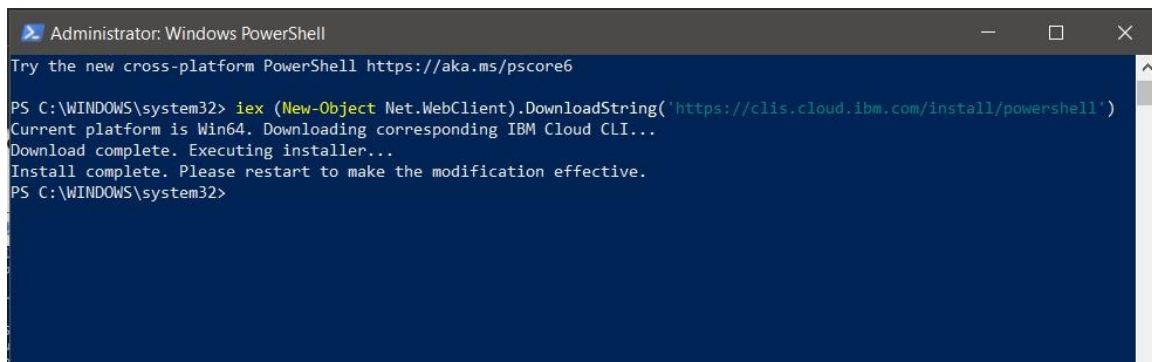
Domain: Cloud Application Development

Team id: PNT2022TMID05660

Team Leader	Naveen Sabarinath B
Team Member 1	Neha O
Team Member 2	Kirubhakaran R
Team Member 3	Mohamed Fazil

Installing IBM Cloud CLI

The IBM Cloud® Command Line Interface provides commands for managing resources in IBM Cloud. When you install the standalone IBM Cloud CLI, you get only the CLI itself without any recommended plug-ins or tools.

A screenshot of a Windows PowerShell terminal window titled "Administrator: Windows PowerShell". The terminal shows the following commands and output:

```
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\WINDOWS\system32> iex (New-Object Net.WebClient).DownloadString('https://clis.cloud.ibm.com/install/powershell')
Current platform is Win64. Downloading corresponding IBM Cloud CLI...
Download complete. Executing installer...
Install complete. Please restart to make the modification effective.
PS C:\WINDOWS\system32>
```

If you need to use a 32-bit version, or a previous version other than the latest for IBM Cloud Dedicated environments, see IBM Cloud CLI releases.

```
Administrator: Windows PowerShell (x86)
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-b0488a1-2022-10-31T15:00:10+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
  ssi          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:
  IBM_CLOUD_COLOR=false          Do not colorize output
  IBM_CLOUD_VERSION_CHECK=false  Do not check latest version for update
  IBM_CLOUD_HTTP_TIMEOUT=5       A time limit for HTTP requests
  IBM_CLOUD_API_KEY=api_key_val API Key used for login
  IBM_CLOUD_CF_VPC_URL=vcf_val   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 id
  entity token service.
  IBM_CLOUD_CF_IAM=cr_token_val  Compute resource token used for login. Can either be a token string or a path to a file.
  IBM_CLOUD_CF_IAM=cr_profile_val 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.
  IBM_CLOUD_TRACE=true          Print API request diagnostics to stdout
  IBM_CLOUD_TRACE_PATH=trace.log Append API request diagnostics to a log file
  IBM_CLOUD_HOME=path/to/dir    Path to config directory

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

```
Administrator: Windows PowerShell (x86)
PS C:\WINDOWS\system32> ibmcloud login
API endpoint: https://cloud.ibm.com

Email: karankirubhal23@gmail.com

Password:
Authenticating...
Credentials were rejected.
Code: EX100402E, message: The credentials you entered for the user 'karankirubhal23@gmail.com' are incorrect.

Password:
Authenticating...
OK

Targeted account Kirubhakaran R's Account (1084bd82ae884bda3db4783d67bcc87)

Select a region (or press enter to skip):
1. au-syd
2. in-che
3. jp-osa
4. jp-tok
5. kr-sao
6. eu-de
7. eu-gd
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: karankirubhal23@gmail.com
Account: Kirubhakaran R's Account (1084bd82ae884bda3db4783d67bcc87)
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>
```

Installing with an installer

Use the following steps to install the latest stand-alone IBM Cloud CLI:

- Use a browser to access the official [ibm-cloud-cli-releases](https://github.com/ibm-cloud/cli-releases) GitHub repository, and select the installer of your OS to begin the download. The following operating systems are supported: macOS X 64-bit, Windows™ 64-bit, Linux™ x86 64-bit, and Linux™ LE 64-bit (ppc64le).

- Run the installer:
- For Mac and Windows™, run the installer.
- For Linux™, extract the package and run the install script.
- Log in to IBM Cloud:
- `ibmcloud login`
- Now, you're ready to manage IBM Cloud resources. Enter `ibmcloud help` to view the command descriptions.

Installing from the shell

- To install the latest CLI for your OS from the shell manually, use the following command for your OS:
- For Mac, copy and paste the following command to a terminal and run it:
- `Curl -fsSL https://clis.cloud.ibm.com/install/osx HYPERLINK "https://clis.cloud.ibm.com/install/osx" | sh`
- For Linux™, copy and paste the following command to a terminal and run it:
- `Curl -fsSL https://clis.cloud.ibm.com/install/linux HYPERLINK "https://clis.cloud.ibm.com/install/linux" | sh`
- For Windows™, copy and paste the following command to a Windows™ PowerShell terminal console and run it
- `lex (New-Object Net.WebClient).DownloadString('https://clis.cloud.ibm.com/install/powershell')`
- If you encounter errors like The underlying connection was closed: An unexpected error occurred on a send, make sure

you have .Net Framework 4.5 or later installed. Also try to enable TLS 1.2 protocol by running the following command:

- [Net.ServicePointManager]::SecurityProtocol =
[Net.SecurityProtocolType]::Tls12

Installing to a custom directory

When you use installers or a shell script to install the IBM Cloud CLI, it is installed in your system directories. If you want to specify a different directory, use the following steps.

Note: you install the IBM Cloud CLI to a custom directory, the `ibmcloud` update command can't be used to update the CLI

- Use a browser to access the official `ibm-cloud-cli-releases` GitHub repository, and select the matching binary of your platform to begin the download. The following platforms are supported: macOS, linux32, linux64, ppc64le, win32, and win64.
- Extract the package to a directory that you specify.
- You can see the following extracted content:
 - For Linux™ and Mac: IBM_Cloud_CLI

|— LICENSE

|— NOTICE

|— autocomplete

| ├── bash_autocomplete
| └── zsh_autocomplete
└── ibmcloud
└── ibmcloud-analytics

- For Windows™: IBM_Cloud_CLI
 - └── LICENSE
 - └── NOTICE
 - └── ibmcloud-analytics.exe
 - └── ibmcloud.exe
- Add to the PATH environment variable and enable shell autocompletion.
- Add the {YOUR_DIRECTORY}/IBM_CLOUD_CLI to the PATH environment variable.
- For shell autocompletion support (Mac and Linux™ only), see Enabling shell autocompletion for IBM Cloud CLI.

Updating the IBM Cloud CLI

You must use the latest version of the CLI. If you aren't using the latest version, run the following command to update your CLI:

```
ibmcloud update
```

To determine your IBM Cloud CLI version, run the following command:

```
ibmcloud -v
```

If you are running the current release, the following output is displayed:

Checking for updates...

No update required. Your CLI is

To get notified about new IBM Cloud CLI releases, subscribe to the IBM Cloud CLI releases repository

Installers

Mac OS X 64 bit

Mac OS X M1/ARM (as-is)Windows

64 bit

Windows 32 bit hu

Linux 64 bit

Linux 64 bit ARM (as-is)

Linux 32 bit

Power Linux 64 bit

System/390 Linux 64 bit

Binaries

Mac OS X 64 bit

Mac OS X M1/ARM (as-is)

Windows 64 bit

Windows 32 bit

Linux 64 bit

Linux 64 bit ARM (as-is)

Linux 32 bit

Power Linux 64 bit

System/390 Linux 64 bit

Bug Fixes

Upgrades sl plug-in to 1.0.9, removing panic when the LANG environment setting is missing