

# SETTING UP APPLICATION ENVIRONMENT

## Installing IBM Cloud CLI

Date	28 October 2022
Team ID	PNT2022TMID39206
Project Name	Inventory Management System for Retailers
Maximum Marks	4 Marks

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.

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.

### 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 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:
- IBM cloud login
- Now, you're ready to manage IBM Cloud resources. Enter IBM cloud 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 | sh`
- For Linux™, copy and paste the following command to a terminal and run it:
- `Curl -fsSL 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
- `Invoke-WebRequest -Uri https://clis.cloud.ibm.com/install/powershell -OutFile ibmcloud_cli.exe`
- 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 IBMCloud 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 IBM cloud update command can't be used to update the CLI

- Use a browser to access the official IBM-cloud-cli-releasesGitHub 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 theLANG  
environment setting is missing