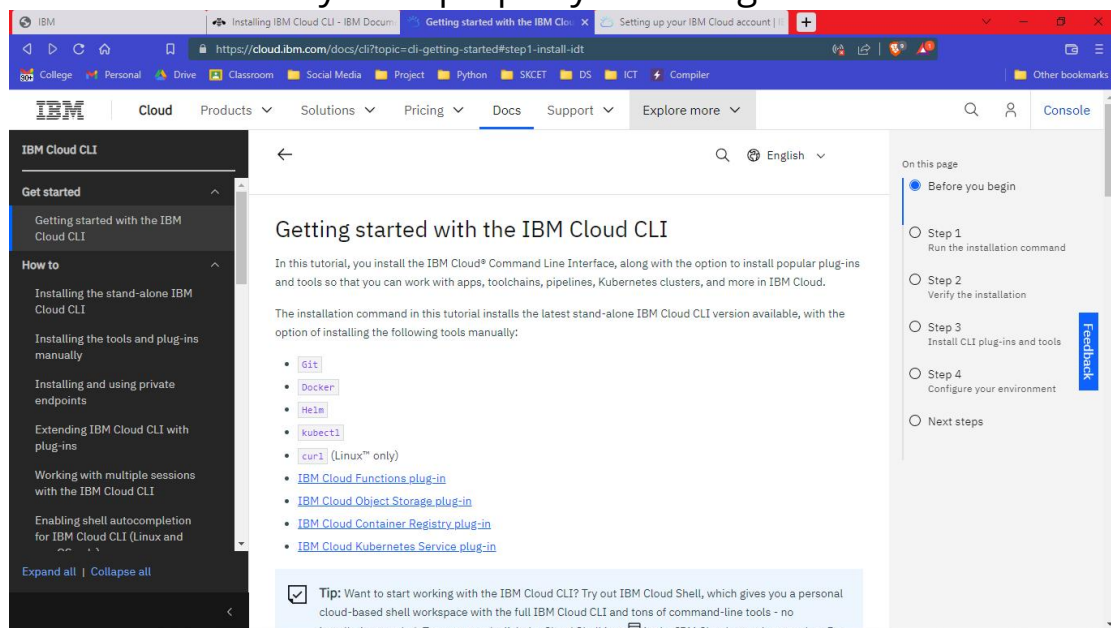


## SETTING UP APPLICATION ENVIRONMENT

Date	31 October 2022
Team ID	PNT2022TMID03042
Project Name	Project - Personal Expense Tracker Application

### Install IBM Cloud CLI

Install IBM CLI on your laptops by following the reference link.

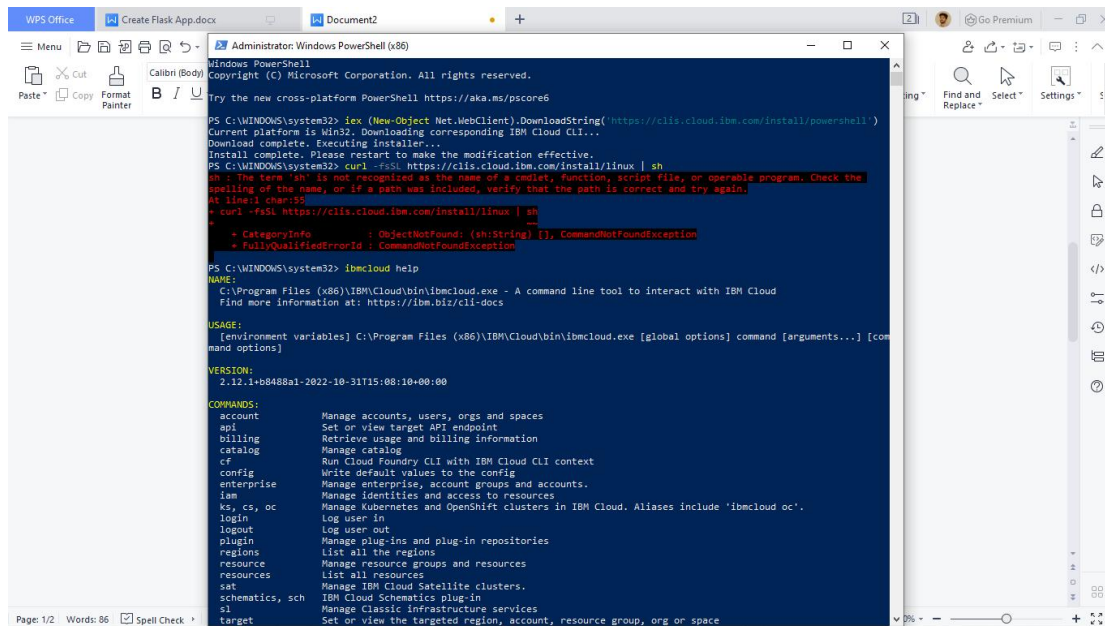


### Step 1: Run the installation command

The latest version of the IBM Cloud CLI is installed when you run the command. As the CLI installs, keep an eye on the command line to authenticate as needed.

For Windows™ 10 Pro, run the following command in PowerShell as an administrator:

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



```
PS C:\WINDOWS\system32> iex ((New-Object Net.WebClient).DownloadString('https://clis.cloud.ibm.com/install/powershell'))
Current platform is win32. Downloading corresponding IBM Cloud CLI...
Download complete. Executing installer...
Install complete. Please restart to make the modification effective.
PS C:\WINDOWS\system32> curl -fsSL https://clis.cloud.ibm.com/install/linux | sh
sh: 1: The term 'sh' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the
spelling of the name, or if a path was included, verify that the path is correct and try again.
PS C:\WINDOWS\system32> curl -fsSL https://clis.cloud.ibm.com/install/linux | sh
- CategoryInfo          : (sh:String) [], CommandNotFoundException
- FullyQualifiedErrorId : CommandNotFoundException

PS C:\WINDOWS\system32> ibmcloud help
NAME:
  C:\Program Files (x86)\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 (x86)\IBM\Cloud\bin\ibmcloud.exe [global options] command [arguments...] [com
mand options]

VERSION:
  2.12.1-b8488a1-2022-10-31T15:08:10+00:00

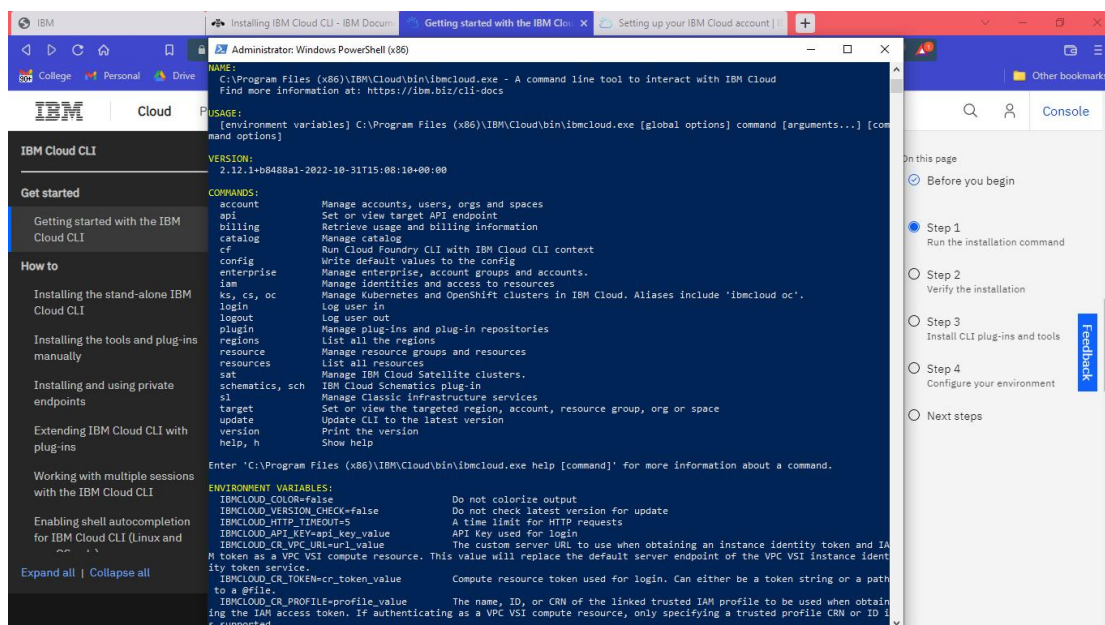
COMMANDS:
  account      Manage accounts, users, orgs and spaces
  api          Set or view target API endpoint
  billing      Retrieve usage and billing information
  catalog      Manage catalog
  cf           Run Cloud Foundry CLI with IBM Cloud CLI context
  config       Write default values to the config
  enterprise   Manage enterprise, account groups and accounts.
  iam         Manage identities and access to resources
  ks, cs, oc   Manage Kubernetes and OpenShift clusters in IBM Cloud. Aliases include 'ibmcloud oc'.
  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
  sat          Manage IBM Cloud Satellite clusters.
  schematics, sch IBM Cloud Schematics plug-in
  sl          Manage Classic Infrastructure services
  target       Set or view the targeted region, account, resource group, org or space
```

## Step 2: Verify the installation

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

```
ibmcloud help
```

The output lists the usage instructions, the current version, and the supported commands.



IBM Cloud CLI

Get started

- Getting started with the IBM Cloud CLI

How to

- Installing the stand-alone IBM Cloud CLI
- Installing the tools and plug-ins manually
- Installing and using private endpoints
- Extending IBM Cloud CLI with plug-ins
- Working with multiple sessions with the IBM Cloud CLI
- Enabling shell autocompletion for IBM Cloud CLI (Linux and macOS)

Expand all | Collapse all

NAME:  
C:\Program Files (x86)\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 (x86)\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
- enterprise: Manage enterprise, account groups and accounts.
- iam: Manage identities and access to resources
- ks, cs, oc: Manage Kubernetes and OpenShift clusters in IBM Cloud. Aliases include 'ibmcloud oc'.
- 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
- sat: Manage IBM Cloud Satellite clusters.
- schematics, sch: IBM Cloud Schematics plug-in
- 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 (x86)\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\_value: API Key used for login
- IBM\_CLOUD\_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.
- IBM\_CLOUD\_CR\_TOKEN=cr\_token\_value: Compute resource token used for login. Can either be a token string or a path to a file.
- IBM\_CLOUD\_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.

### Step 3: Install CLI plug-ins and tools

To manually install the CLI plug-ins and tools, see [installing the tools and plug-ins manually](#).

## Step 4: Configure your environment

Log in to IBM Cloud with your IBMid. If you have multiple accounts, you are prompted to select which account to use. If you do not specify a region with the `-r` flag, you must also select a region.

## ibmcloud login

