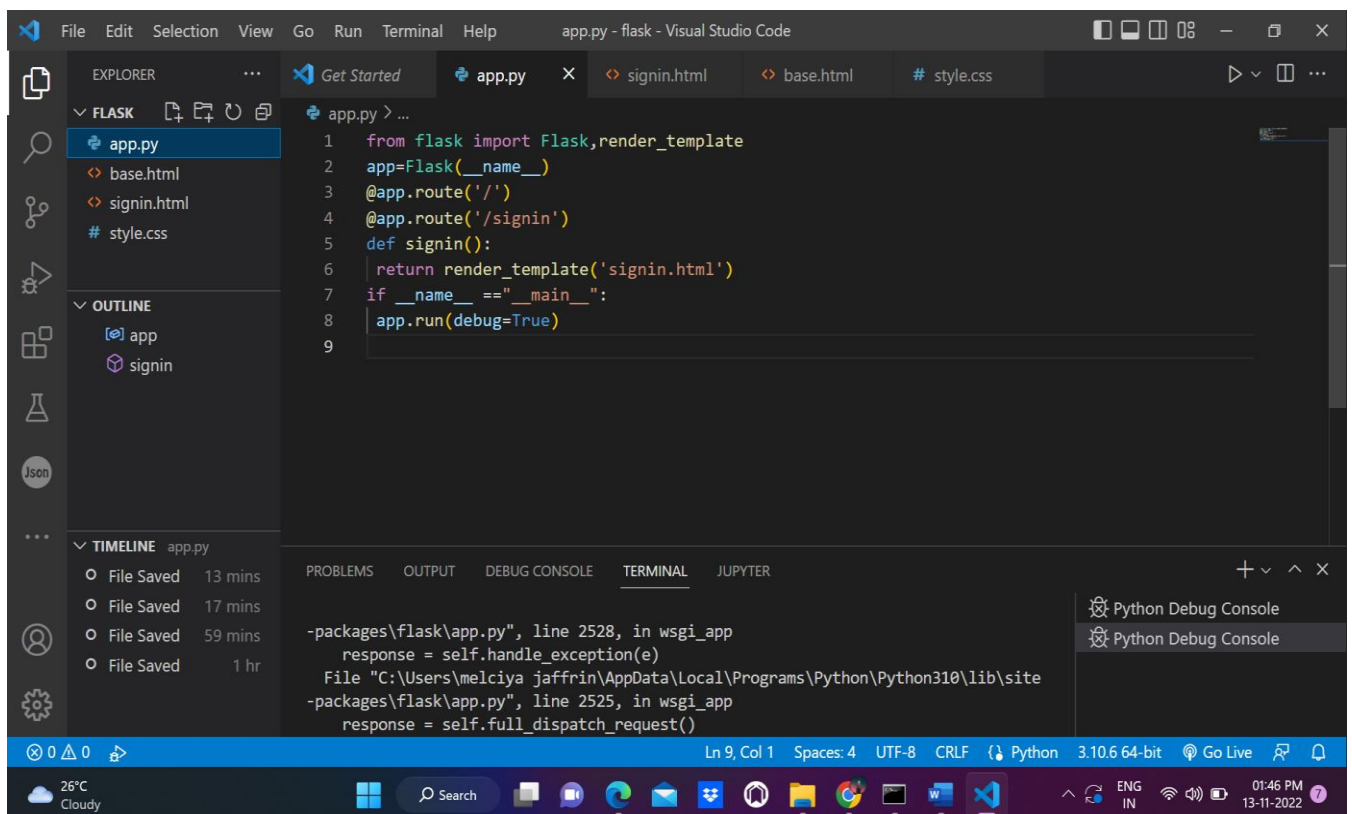


Setting Up Application Environment

Project Name	Customer Care Registry
Team ID	PNT2022TMID33777

1. Create Flask Project



The screenshot displays the Visual Studio Code interface for a Flask project named 'app.py'. The Explorer sidebar on the left shows the project structure with files: app.py, base.html, signin.html, and style.css. The Outline sidebar shows the 'app' and 'signin' components. The main editor area displays the code for app.py, which imports Flask and render_template, sets up a Flask app, defines a route for '/signin' that renders 'signin.html', and runs the app in debug mode. The Terminal at the bottom shows the command prompt with the Flask application running, displaying the Flask version and the current directory. The status bar at the bottom indicates the file is at line 9, column 1, using UTF-8 encoding and CRLF line endings, with Python 3.10.6 64-bit selected.

```
1 from flask import Flask, render_template
2 app = Flask(__name__)
3 @app.route('/')
4 @app.route('/signin')
5 def signin():
6     return render_template('signin.html')
7 if __name__ == '__main__':
8     app.run(debug=True)
9
```

Terminal Output:

```
-packages\flask\app.py", line 2528, in wsgi_app
  response = self.handle_exception(e)
File "C:\Users\melciya_jaffrin\AppData\Local\Programs\Python\Python310\lib\site
-packages\flask\app.py", line 2525, in wsgi_app
  response = self.full_dispatch_request()
```

Registration

File | C:/Users/melciya%20jaffrin/Desktop/flask/base.html

Registration

Username

IBM

Password

Enter Password

Confirm Password

Confirm Password

Register

26°C
AQI 100

Search

ENG IN

01:49 PM
13-11-2022

2. Create IBM Cloud Account

IBM Cloud

cloud.ibm.com/login

Log in to IBM Cloud

Don't have an account? [Create an account](#)

Sign in with

IBMid

melciyajaffrin@gmail.com

Continue

[Forgot ID?](#)

☐ Remember ID

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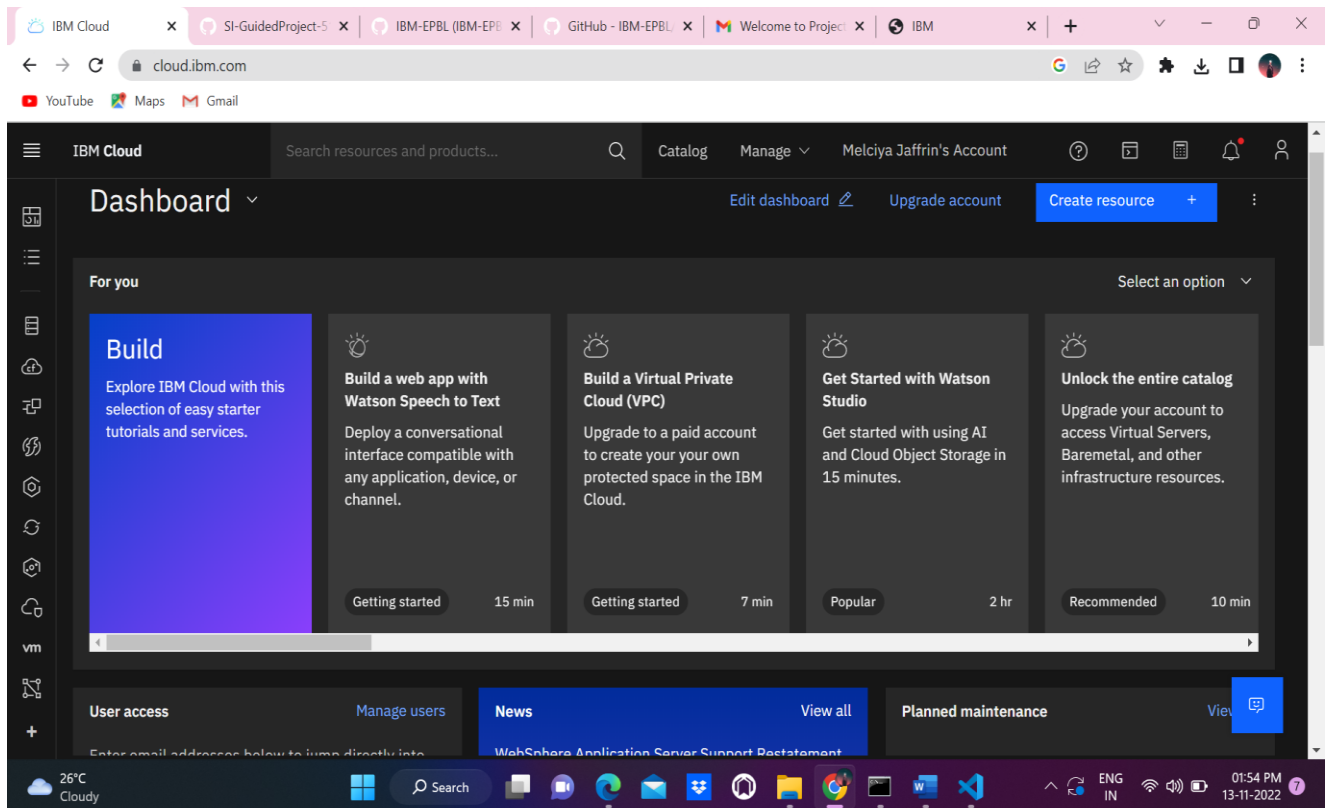
Cookie Preferences

26°C
Cloudy

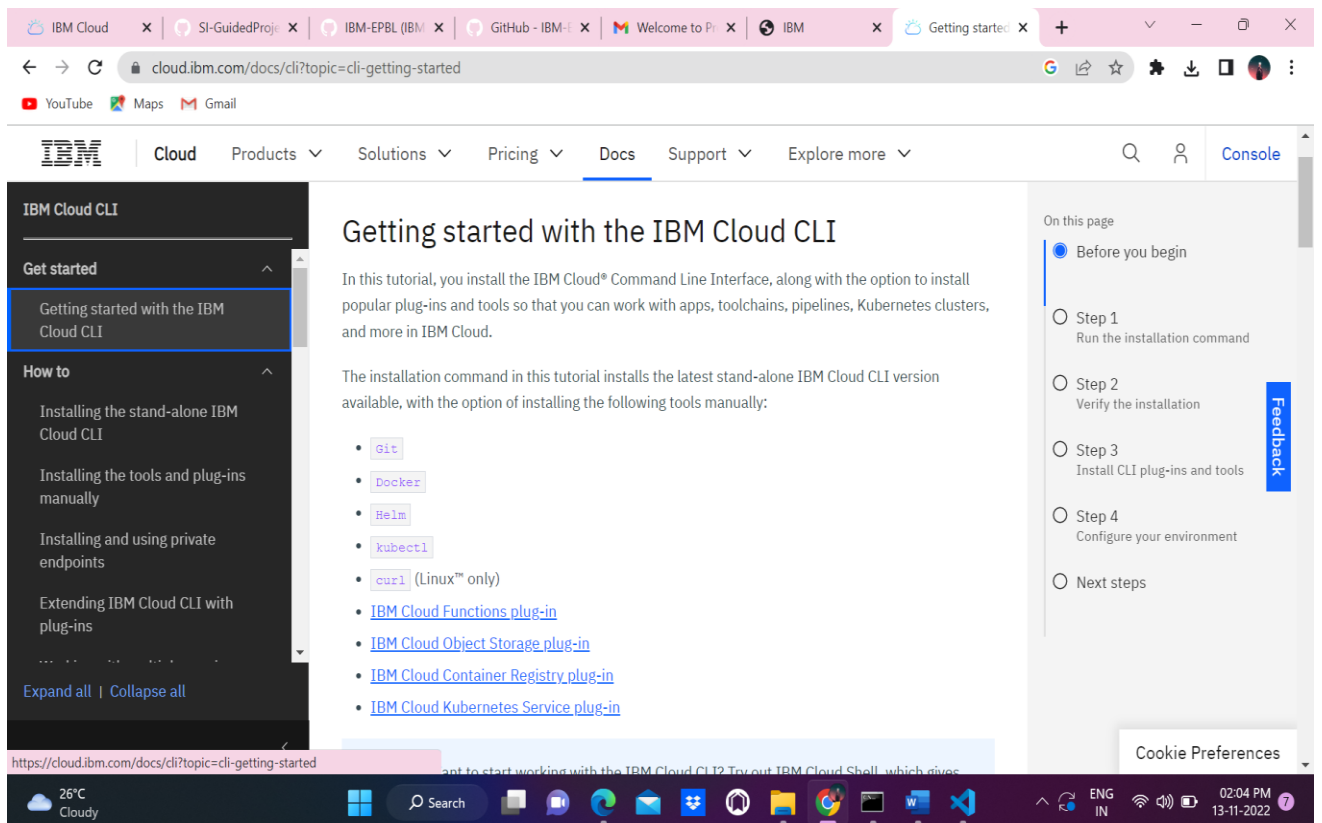
Search

ENG IN

01:52 PM
13-11-2022



3. Install IBM Cloud CLI



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 plug-ins

Expand all | Collapse all

Command Prompt

```
C:\Users\melciya jaffrin>ibmcloud help
NAME:
  ibmcloud - A command line tool to interact with IBM Cloud
  Find more information at: https://ibm.biz/cli-docs

USAGE:
  [environment variables] ibmcloud [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 'ibmcloud help [command]' for more information about a command.
```

versions of the CLI, see the IBM Cloud CLI release notes. These versions are provided as-is.

26°C Cloudy

02:21 PM 13-11-2022

IBM Cloud CLI

Get started

Getting started with the IBM Cloud CLI

How to

Installing the stand-alone IBM Cloud CLI

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Extending IBM Cloud CLI plug-ins

Expand all | Collapse all

Command Prompt

```
C:\Users\melciya jaffrin>ibmcloud login
API endpoint: https://cloud.ibm.com
Email> melciyajaffrin@gmail.com
Password>
Authenticating...
OK
Targeted account Melciya Jaffrin's Account (a6a300a107014fb2ad296a65a6604593)

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: melciyajaffrin@gmail.com
Account: Melciya Jaffrin's Account (a6a300a107014fb2ad296a65a6604593)
Resource group: No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:

C:\Users\melciya jaffrin>
```

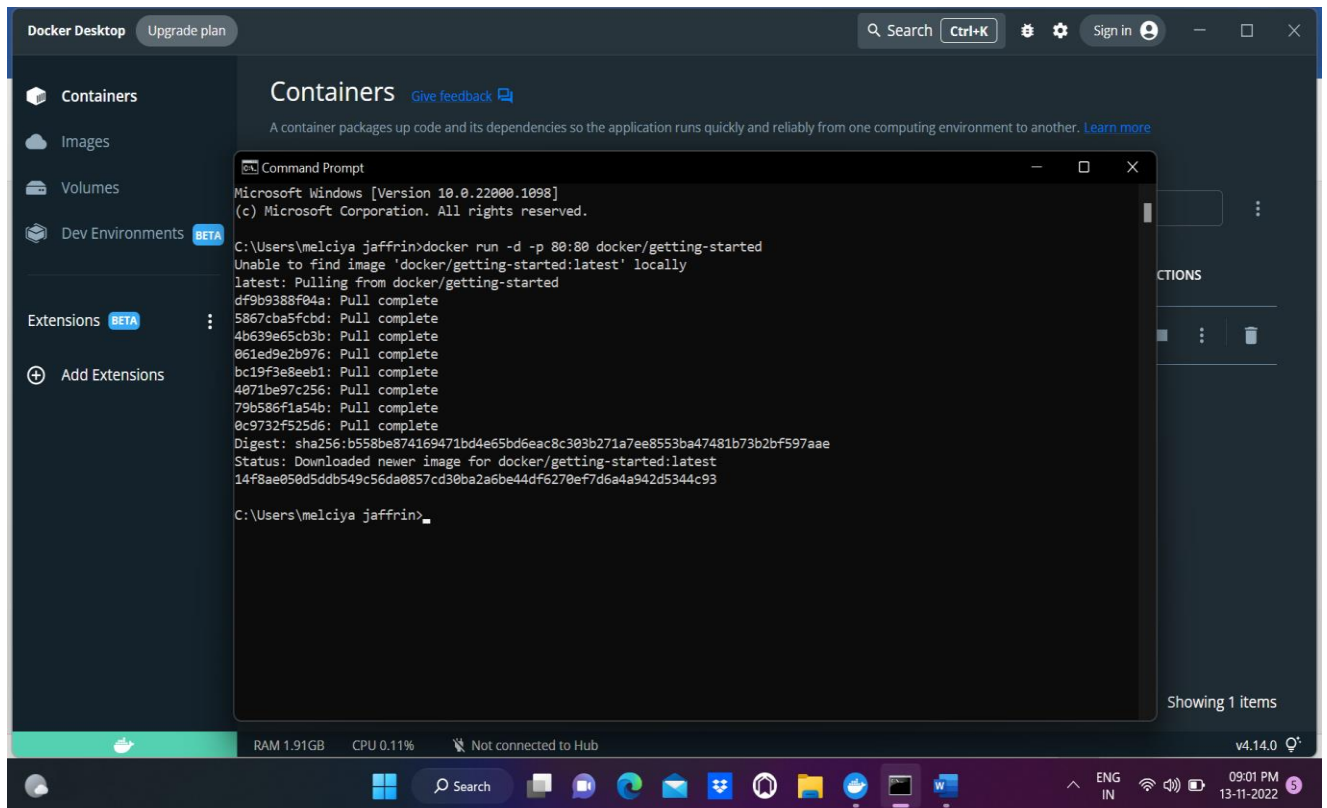
27°C AQI 97

02:28 PM 13-11-2022

4. Docker CLI Installation

The screenshot shows a web browser with multiple tabs open, including IBM Cloud, SI-GuidedP, IBM-EPBL, GitHub - IE, Inbox (1,04), IBM, Getting sta, and Install on V. The address bar shows the URL `docs.docker.com/desktop/install/windows-install/`. The Docker Docs website is displayed with a dark theme. The navigation bar includes links for Home, Guides, Manuals, Reference, Samples, and Contribute. The breadcrumb trail indicates the path: Home / Manuals / Docker Desktop / Install Docker Desktop / Install on Windows. The main content area is titled "Install on Windows" and features a blue box with the heading "Docker Desktop terms" stating that commercial use in larger enterprises requires a paid subscription. Below this, a welcome message and a "Download Docker Desktop for Windows" button are visible. The right sidebar contains page details (7 minute read), tags (windows, install, download, ru, docker, local, Docker Desktop), and a table of contents with links to System requirements, WSL 2 backend, Hyper-V backend and Windows containers, About Windows containers, Install Docker Desktop on Windows, Install interactively, and Install from the command line. A "Give feedback" button is located on the far right.

The screenshot shows a Windows desktop with various application icons in the taskbar, including Firefox, PotPlayer 64-bit, Apache NetBeans, Artificial_int..., and Visual Studio Code. A dialog box titled "Docker Subscription Service Agreement" is open. The dialog contains the following text: "By selecting **accept**, you agree to the [Subscription Service Agreement](#), the [Docker Data Processing Agreement](#), and the [Data Privacy Policy](#)." Below this, a note states: "Note: Docker Desktop is free for small businesses (fewer than 250 employees AND less than \$10 million in annual revenue), personal use, education, and non-commercial open source projects. Otherwise, it requires a paid subscription for professional use. Paid subscriptions are also required for government entities. [Read the FAQ to learn more.](#)" At the bottom of the dialog, there is a link to "View Full Terms" and two buttons: "Accept" and "Close". The Windows taskbar at the bottom shows the system clock as 03:13 PM on 13-11-2022.



5. Create An Account in Sendgrid

