

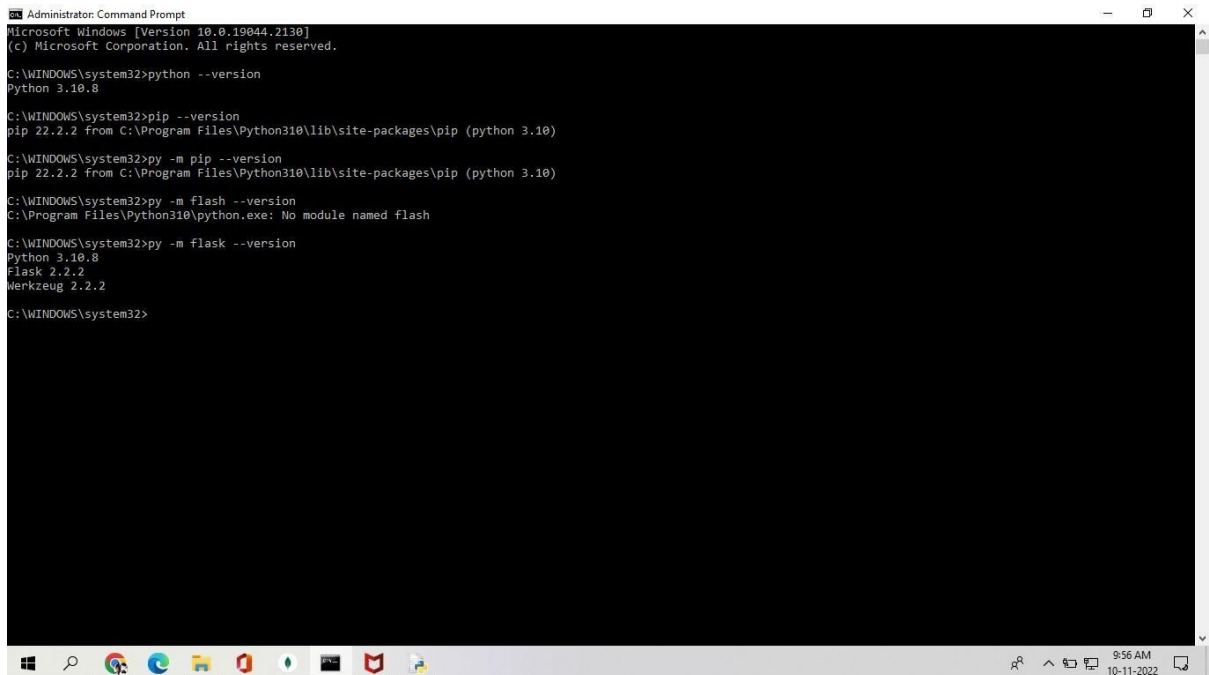
SETTING UP APPLICATION ENVIRONMENT

Team ID	PNT2022TMID29529
Project Name	Inventory Management System for Retailers

TASK

- o Create Flask Project
- o Create IBM Cloud Account
- o Install IBM Cloud CLI
- o Docker CLI Installation
- o Create An Account In SendGrid

Create Flask Project



```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.19044.2130]
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C:\WINDOWS\system32>python --version
Python 3.10.8

C:\WINDOWS\system32>pip --version
pip 22.2.2 from C:\Program Files\Python310\lib\site-packages\pip (python 3.10)

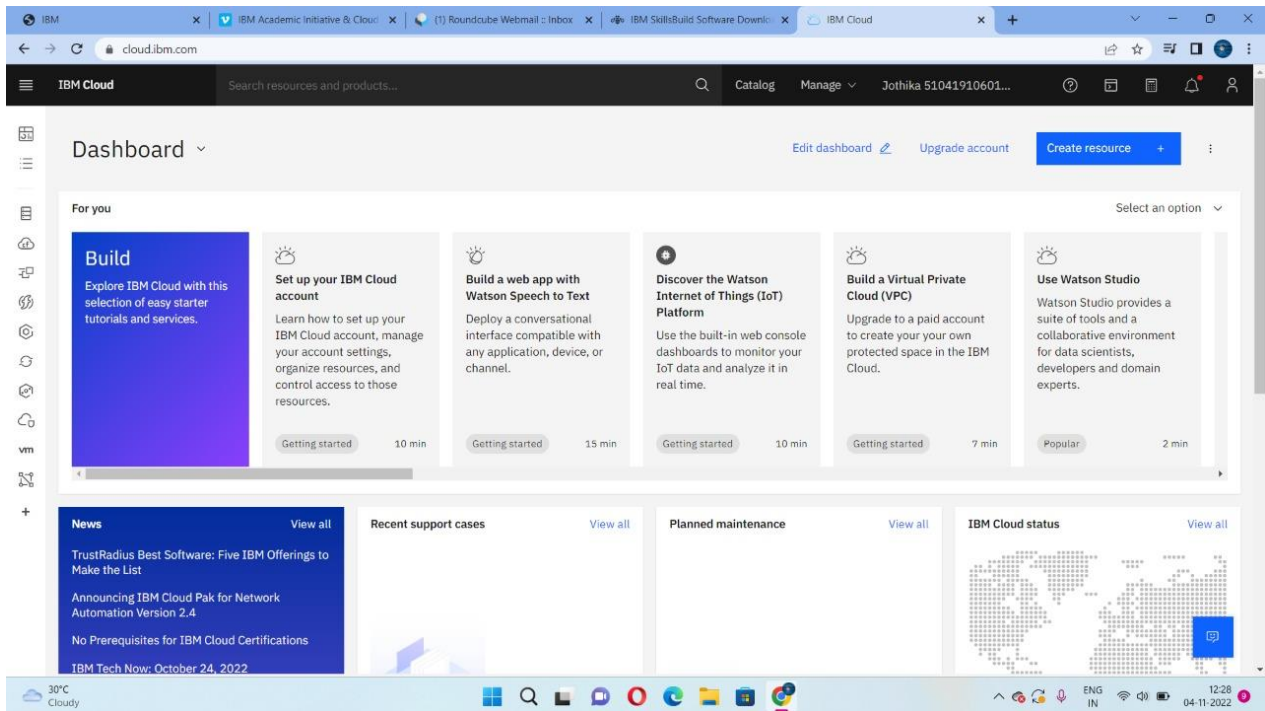
C:\WINDOWS\system32>py -m pip --version
pip 22.2.2 from C:\Program Files\Python310\lib\site-packages\pip (python 3.10)

C:\WINDOWS\system32>py -m flask --version
C:\Program Files\Python310\python.exe: No module named flask

C:\WINDOWS\system32>py -m flask --version
Python 3.10.8
Flask 2.2.2
Werkzeug 2.2.2

C:\WINDOWS\system32>
```

Create IBM Cloud Account



Install IBM Cloud CLI

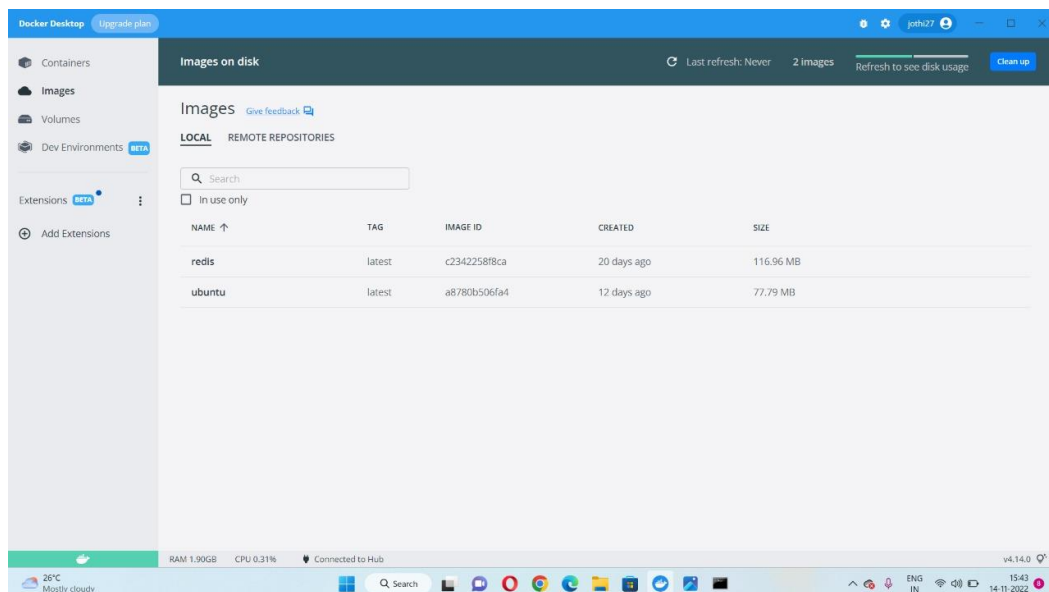
```
MSI42e6c - Notepad
File Edit Format View Help
=== Verbose logging started: 10-11-2022 10:03:38 Build type: SHIP UNICODE 5.00.10011.00 Calling process: C:\WINDOWS\system32\MSIEXEC.EXE ===
MSI (c) (DC:18) [10:03:39:225]: Font created. Charset: Req=0, Ret=0, Font: Req=MS Shell Dlg, Ret=MS Shell Dlg
MSI (c) (DC:18) [10:03:39:233]: Font created. Charset: Req=0, Ret=0, Font: Req=MS Shell Dlg, Ret=MS Shell Dlg
MSI (c) (DC:F0) [10:03:39:479]: Resetting cached policy values
MSI (c) (DC:F0) [10:03:39:479]: Machine policy value 'Debug' is 0
MSI (c) (DC:F0) [10:03:39:479]: ***** RunEngine:
***** Product: C:\Users\VICTOR\AppData\Local\Temp\{C86AEC8C-8AB1-4111-A148-5435E8148D3F}\IBM_Cloud_CLI.msi
***** Action:
***** CommandLine: *****
MSI (c) (DC:F0) [10:03:39:499]: Machine policy value 'DisableUserInstalls' is 0
MSI (c) (DC:F0) [10:03:39:840]: Cloaking enabled.
MSI (c) (DC:F0) [10:03:39:851]: Attempting to enable all disabled privileges before calling Install on Server
MSI (c) (DC:F0) [10:03:39:864]: End dialog not enabled
MSI (c) (DC:F0) [10:03:39:864]: Original package ==> C:\Users\VICTOR\AppData\Local\Temp\{C86AEC8C-8AB1-4111-A148-5435E8148D3F}\IBM_Cloud_CLI.msi
MSI (c) (DC:F0) [10:03:39:864]: Package we're running from ==> C:\WINDOWS\Installer\48d983b.msi
MSI (c) (DC:F0) [10:03:39:868]: APPCOMPAT: Uninstall Flags override found.
MSI (c) (DC:F0) [10:03:39:874]: APPCOMPAT: Uninstall VersionNT override found.
MSI (c) (DC:F0) [10:03:39:874]: APPCOMPAT: Uninstall ServicePackLevel override found.
MSI (c) (DC:F0) [10:03:39:886]: APPCOMPAT: looking for appcompat database entry with ProductCode '{8426743C-4659-4029-A5FD-83BBE06DF901}'.
MSI (c) (DC:F0) [10:03:39:932]: APPCOMPAT: no matching ProductCode found in database.
MSI (c) (DC:F0) [10:03:40:015]: MSCOREE not loaded loading copy from system32
MSI (c) (DC:F0) [10:03:40:429]: Machine policy value 'DisablePatch' is 0
MSI (c) (DC:F0) [10:03:40:429]: Machine policy value 'AllowLockdownPatch' is 0
MSI (c) (DC:F0) [10:03:40:429]: Machine policy value 'DisableLUAPatching' is 0
MSI (c) (DC:F0) [10:03:40:429]: Machine policy value 'DisableFlyWeightPatching' is 0
MSI (c) (DC:F0) [10:03:40:440]: APPCOMPAT: looking for appcompat database entry with ProductCode '{8426743C-4659-4029-A5FD-83BBE06DF901}'.
MSI (c) (DC:F0) [10:03:40:441]: APPCOMPAT: no matching ProductCode found in database.
MSI (c) (DC:F0) [10:03:40:441]: Transforms are not secure.
MSI (c) (DC:F0) [10:03:40:441]: PROPERTY CHANGE: Adding MsiLogFileLocation property. Its value is 'C:\Users\VICTOR\AppData\Local\Temp\MSI42e6c.LOG'.
MSI (c) (DC:F0) [10:03:40:441]: Command Line: SETUPEXEDIR=C:\Users\VICTOR\Downloads SETUPEXENAME=IBM_Cloud_CLI_2.11.1_amd64.exe CURRENTDIRECTOR=C:\WINDOWS\system32 CLI
MSI (c) (DC:F0) [10:03:40:441]: PROPERTY CHANGE: Adding PackageCode property. Its value is '{8A897A7E-0A44-4116-991D-07F966730D83}'.
MSI (c) (DC:F0) [10:03:40:441]: Product Code passed to Engine.Initialize: '{8426743C-4659-4029-A5FD-83BBE06DF901}'
MSI (c) (DC:F0) [10:03:40:441]: Product Code from property table before transforms: '{8426743C-4659-4029-A5FD-83BBE06DF901}'
MSI (c) (DC:F0) [10:03:40:441]: Product Code from property table after transforms: '{8426743C-4659-4029-A5FD-83BBE06DF901}'
Ln 1, Col 1 100% Windows (CRLF) UTF-16 LE 10:04 AM 10-11-2022
```

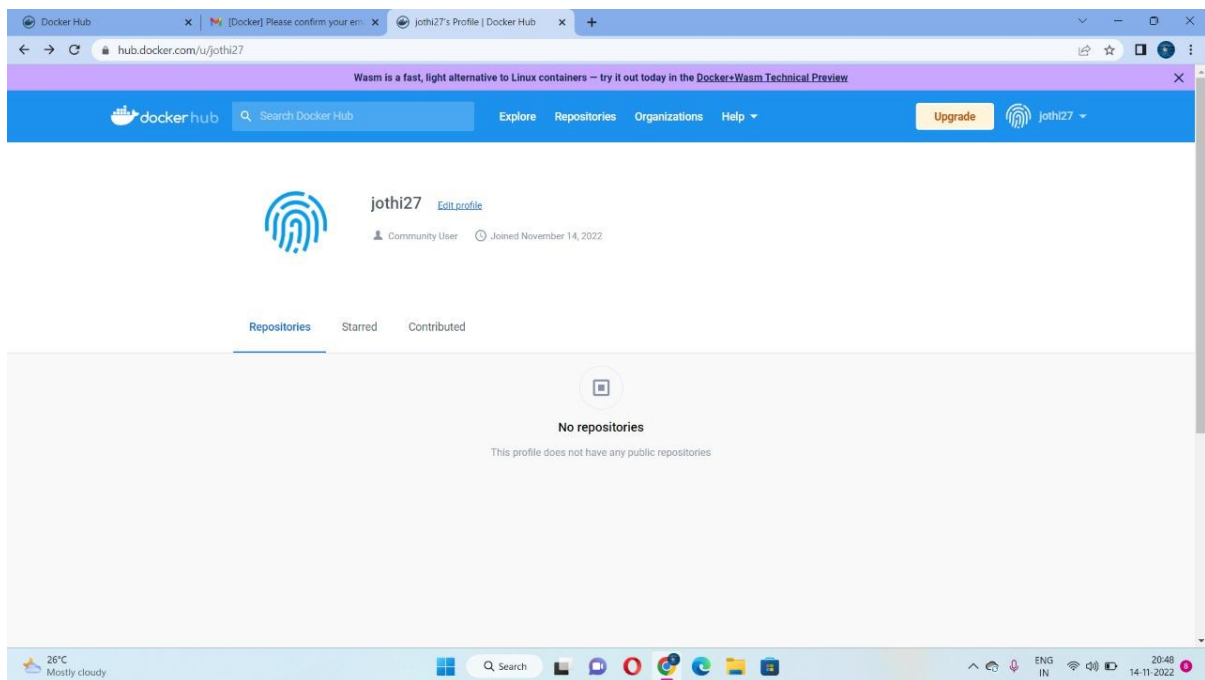
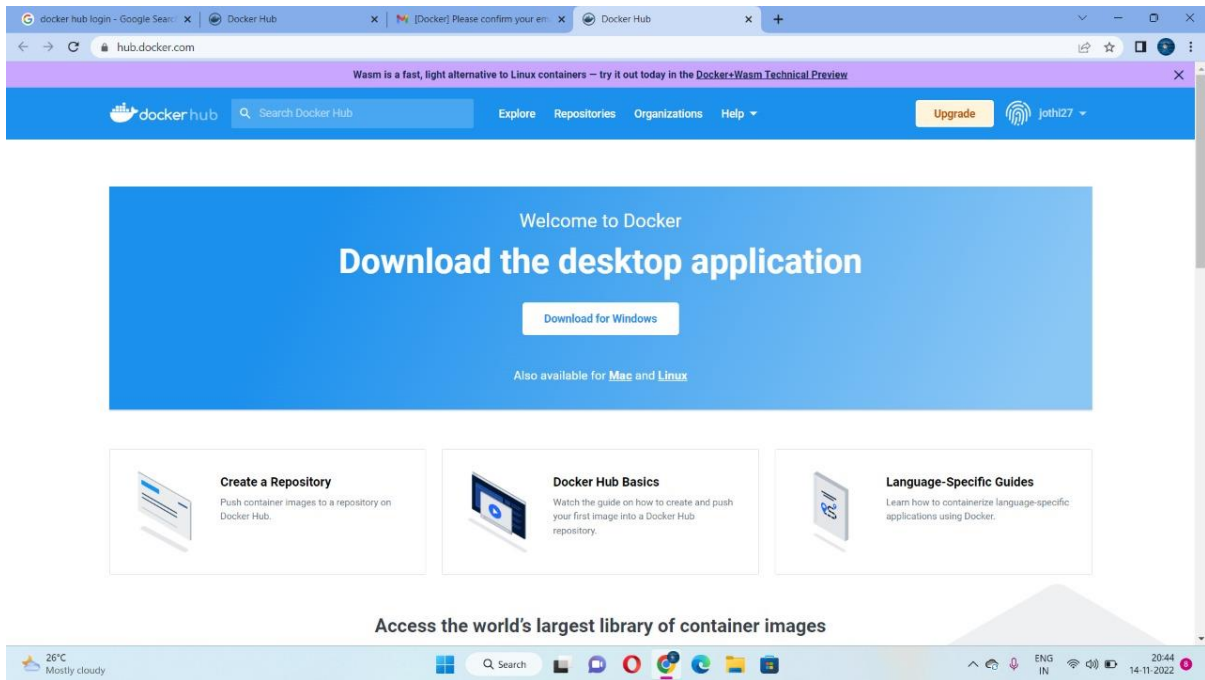
```
Administrator: Windows PowerShell
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/powershell

PS C:\WINDOWS\system32>
PS C:\WINDOWS\system32> iex (New-Object Net.WebClient).DownloadString('https://cli.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> ibmcloud update
Checking for updates...
No update required. Your CLI is already up-to-date.
To view available plugin updates, run 'C:\Program Files\IBM\Cloud\bin\ibmcloud.exe plugin list'.
PS C:\WINDOWS\system32> ibmcloud -v
C:\Program Files\IBM\Cloud\bin\ibmcloud.exe version 2.12.1+b8468a1-2022-10-31T15:08:10+00:00
PS C:\WINDOWS\system32>
```

Docker CLI Installation





Create An Account In SendGrid

The screenshot shows the SendGrid dashboard for user Jothika S. The browser window has tabs for 'IBM', 'Secure your SendGrid Account', and 'SendGrid'. The address bar shows 'app.sendgrid.com/guide'. The left sidebar contains a navigation menu with items: Jothika S., Dashboard, Email API, Marketing, Design Library, Stats, Activity, Suppressions, Settings, and Twilio SMS (marked as NEW). The main content area has a welcome message 'Welcome, Jothika!' and a sub-header 'Send your first emails with Twilio SendGrid'. Below this is a section titled 'Create a sender identity' with instructions on how to create a sender identity. A blue button 'Create a Single Sender' is visible, along with a link 'Authenticate a domain instead'. To the right, there is a diagram showing an email header with 'Your Business' as the sender and 'to me' as the recipient. At the bottom of the main content area, there is a section titled 'Send your first email' with a note: 'Please create a sender identity before sending your first email.' The bottom of the screen shows a Windows taskbar with the date '14-11-2022' and time '14:01'.

IBM | Secure your SendGrid Account | SendGrid

app.sendgrid.com/guide

Jothika S.

Dashboard

Email API

Marketing

Design Library

Stats

Activity

Suppressions

Settings

Twilio SMS **NEW**

REPUTATION 100%

VIEW ACCOUNT USAGE

Welcome, Jothika!

To get up and running quickly, please follow the steps outlined below.

Send your first emails with Twilio SendGrid

Create a sender identity

Before sending email, you'll need to create a sender identity. There are [two ways](#) to do this, but we recommend creating a Single Sender to get set up quickly and test your email integration.

[Create a Single Sender](#) [Authenticate a domain instead](#)

Your sender identity is the "from" email address your recipients will see in their inbox. [Learn more](#) about this.

Your Business <jane.doe@your_business.com>
to me

Send your first email

Please create a sender identity before sending your first email.

28°C Rain off and on

Search

ENG IN

14:01 14-11-2022