

Requirement for IoTcloudServe@TEIN testbed Training Section [Day1, Day2]

1. Create Google Cloud Account
2. Google Cloud SDK installation (Please find the installation details below)
3. Node.js application (Please find the installation details below)
4. Setting WIFI-Access point for participants
5. Public IP for Smart micro box [**only 1 box**]

1. Google Cloud SDK Installation!

Download & Installation : <https://cloud.google.com/sdk/docs/?hl=th#windows>

Additionally, the [gcloud CLI reference](#) documents all of the gcloud CLI's functionality.

Install the latest Cloud SDK version (272.0.0)

LINUX DEBIAN/UBUNTU RED HAT/CENTOS MACOS **WINDOWS**

1. Download the Cloud SDK installer.

Alternatively, open a PowerShell terminal and run the following PowerShell commands.

```
(New-Object Net.WebClient).DownloadFile("https://dl.google.com/dl/cloudsdk/setup.ps1", $env:Temp\GoogleCloudSDKInstaller.exe)
```

2. Launch the installer and follow the prompts. The installer is signed by Google LLC.

Cloud SDK requires Python 2 with a release version of Python 2.7.9 or higher. The installer will install all necessary dependencies, including the needed Python version, by default. If you already have Python 2.x.y installed and want to use the existing

เนื้อหา

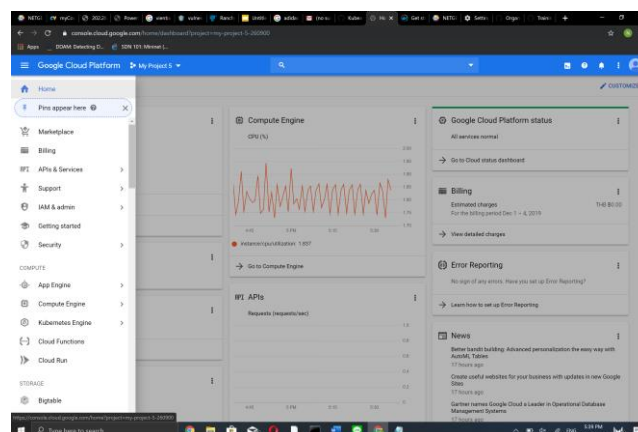
Install the latest Cloud SDK version (272.0.0)

Install the latest Google Cloud Client Libraries

More information

Please select the software version that suite to your OS

Follow installation instruction you should be able to get to google cloud platform



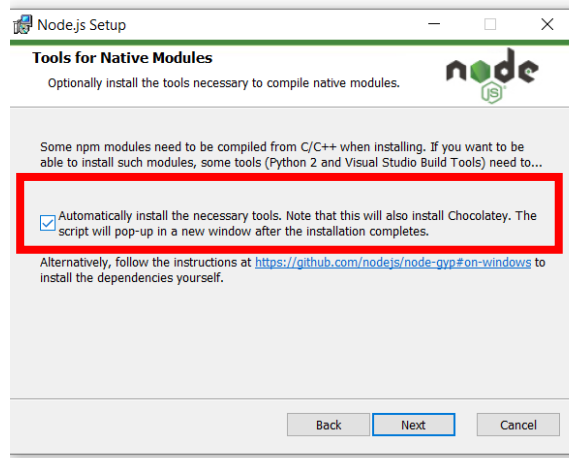
2. Node.JS installation

- **Linux OS:**

- Please type the Command in terminal as following below!
 - Command: `sudo apt update`
 - Command: `sudo apt install curl`
 - Command: `curl -sL https://deb.nodesource.com/setup_10.x | sudo -E bash -`
 - Command: `sudo apt install nodejs`
- In order to make sure that node & npm is working:
 - Command: `node --version`
 - **Output:** `v10.16.3`
 - Command: `npm --version`
 - **Output:** `6.9.0`

- **Window/MAC OS**

- Installer download <https://nodejs.org/en/download/>



Don't forget to tick on this Box!

Testing your node.js is working or not ?

- Command : `node -v` (should tell the version that you get)
- Command : `node`
- Command : `function testNode() {return "Node is working"; testNode();}`

Should give you

```
Administrator: Command Prompt - node
Microsoft Windows [Version 10.0.18362.476]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\popov>node -v
v12.13.1

C:\Users\popov>node
Welcome to Node.js v12.13.1.
Type ".help" for more information.
> function testNode() {return "Node is working"; testNode();}
'Node is working'
>
```

3. IDE (OPTIONAL)

- VS CODE : <https://code.visualstudio.com/> (Recommended Stable)
- NOTEPAD++ : <https://notepad-plus-plus.org/downloads/>
- SUBLIME : <https://www.sublimetext.com/3>