

# KMUTT-information center website installation guide

## 1.) Python 3.8.0

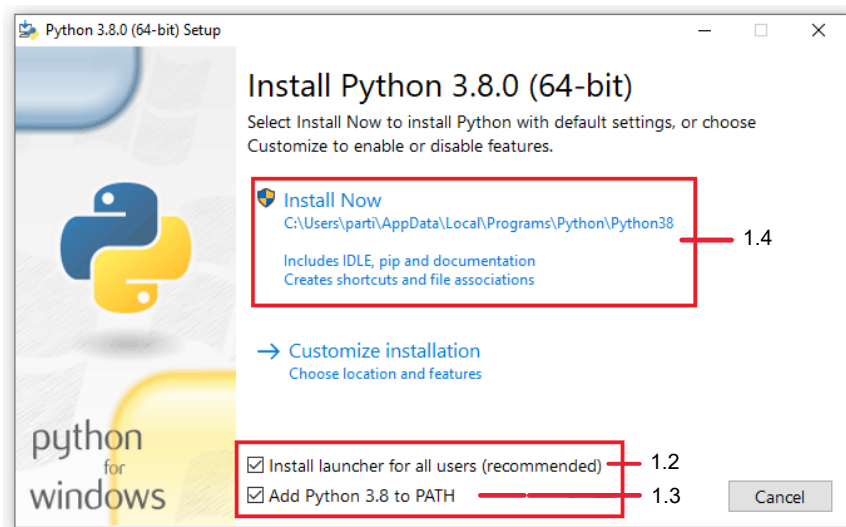
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1.1 Download Python 3.8.0: <https://www.python.org/ftp/python/3.8.0/python-3.8.0-amd64.exe>

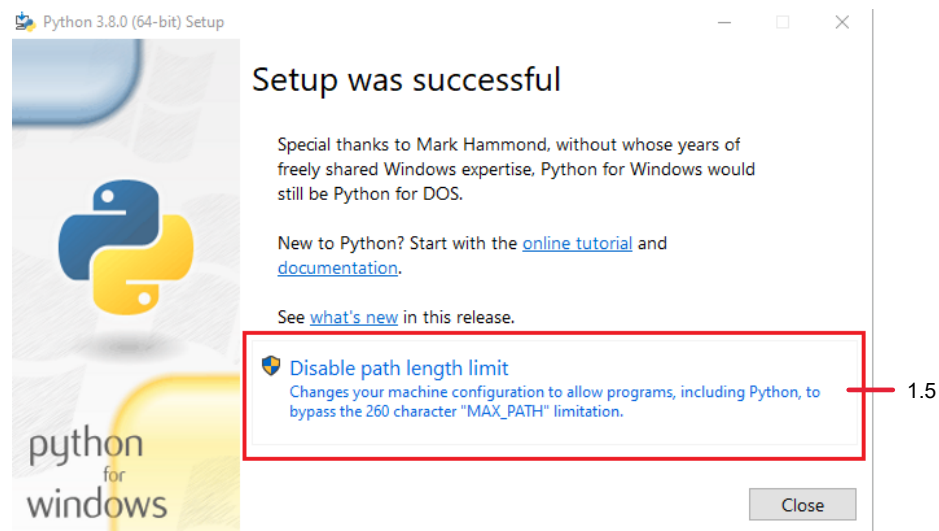
1.2 Check **Install launcher for all user(recommended)**

1.3 Check **Add Python 3.8 to PATH**

1.4 Click **Install now**



1.5 Click on **Disable path length limit**



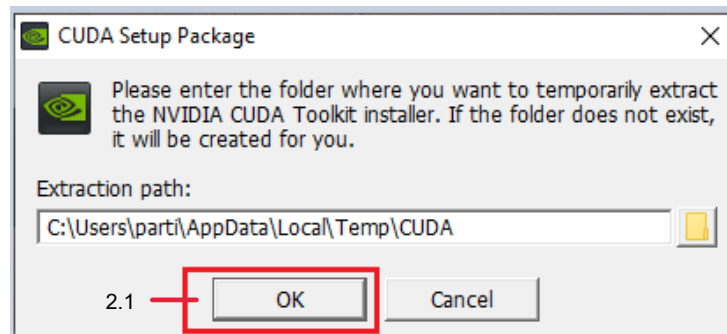
## 2.) Nvidia CUDA 11.6

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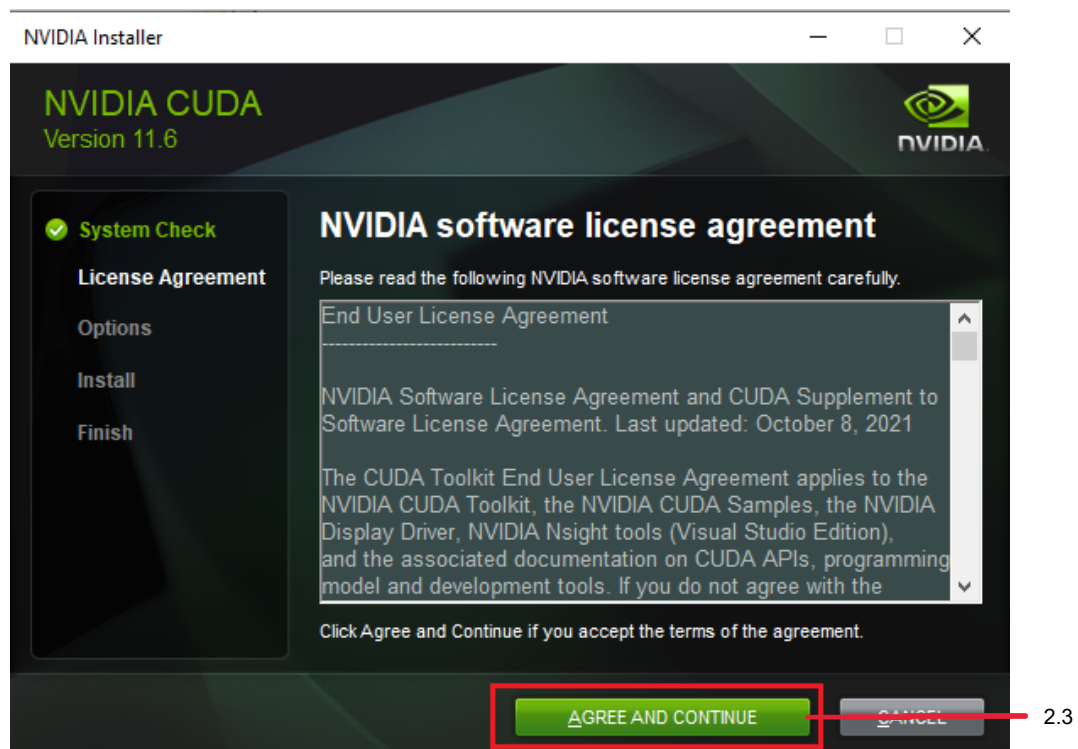
### 2.1 Download Nvidia CUDA 11.6

[https://developer.download.nvidia.com/compute/cuda/11.6.2/local\\_installers/cuda\\_11.6.2\\_511.65\\_windows.exe](https://developer.download.nvidia.com/compute/cuda/11.6.2/local_installers/cuda_11.6.2_511.65_windows.exe)

### 2.2 Click OK

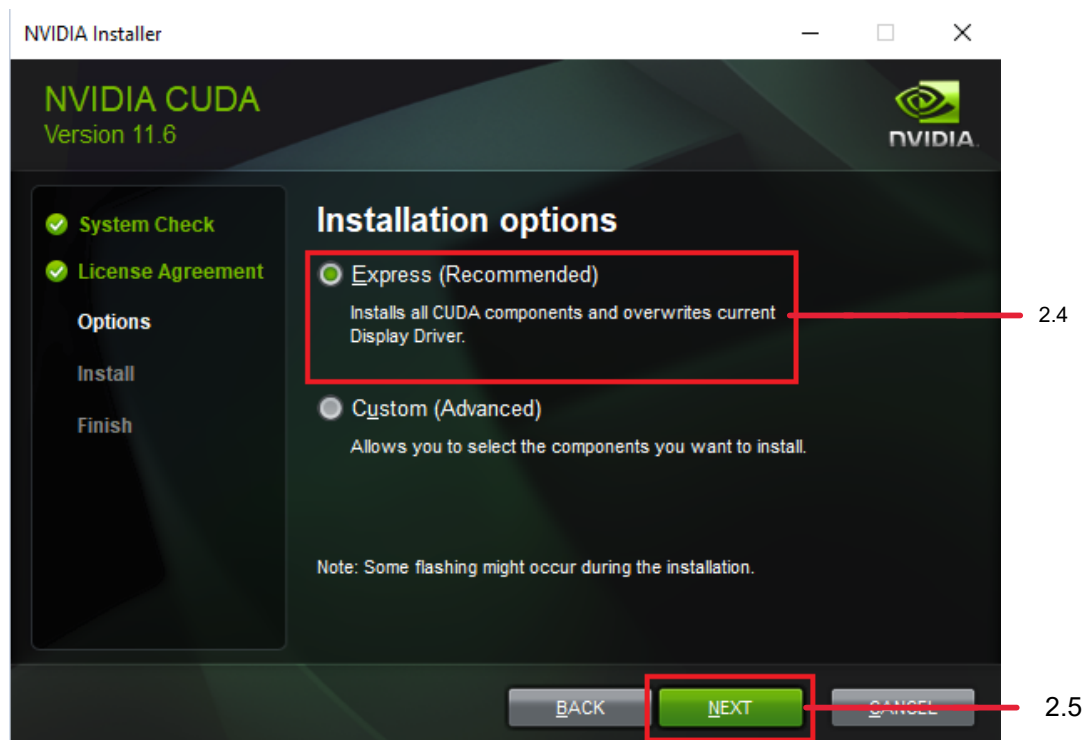


### 2.3 Click on Agree and Continue



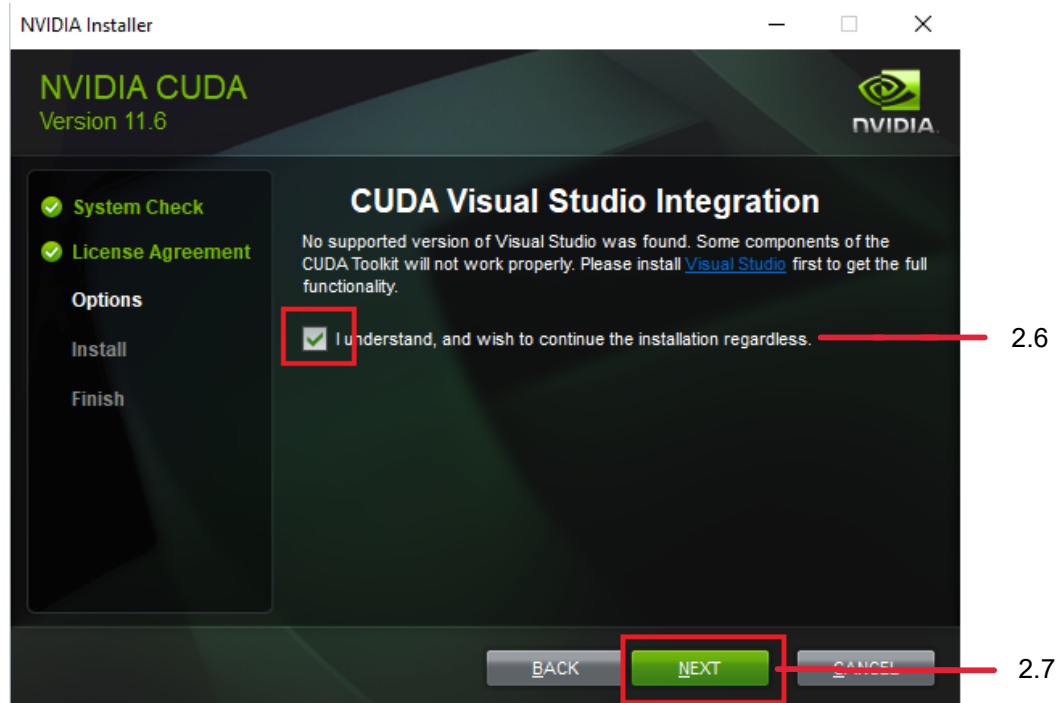
2.4 Select **Express(Recommended)**

2.5 click on **next**

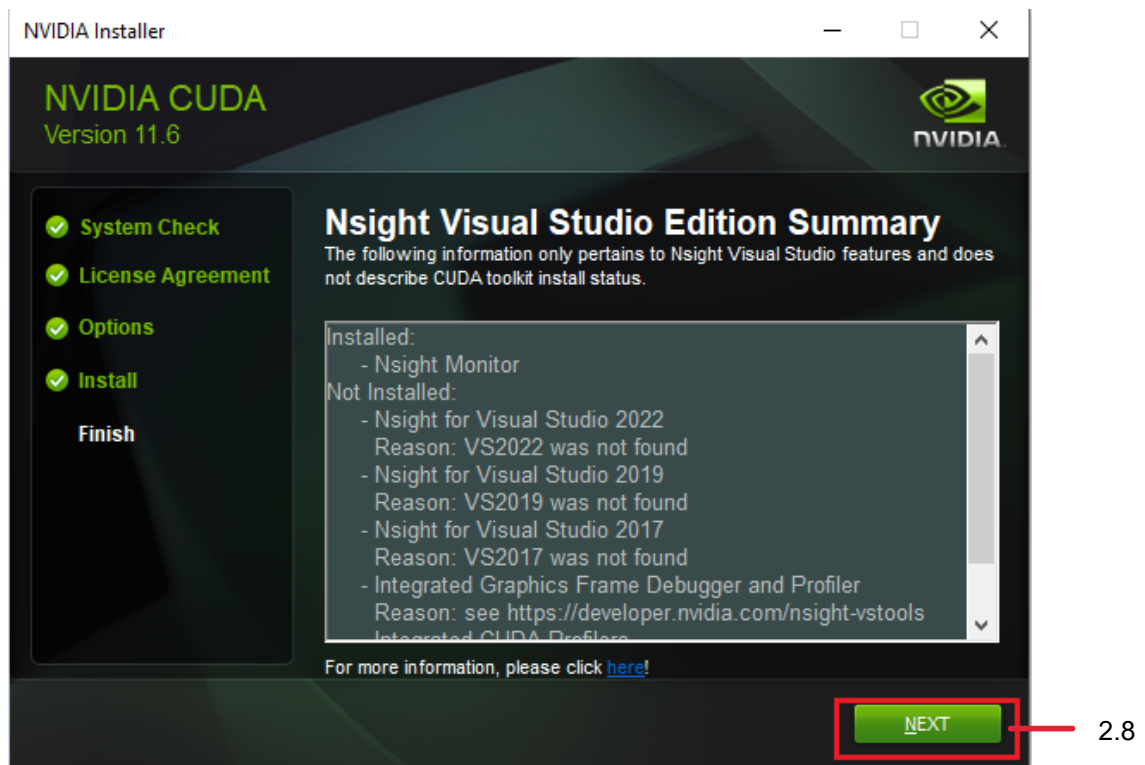


2.6 Check the checkbox “I understand, and wish to continue the installation regardless”

2.7 Click on **next**



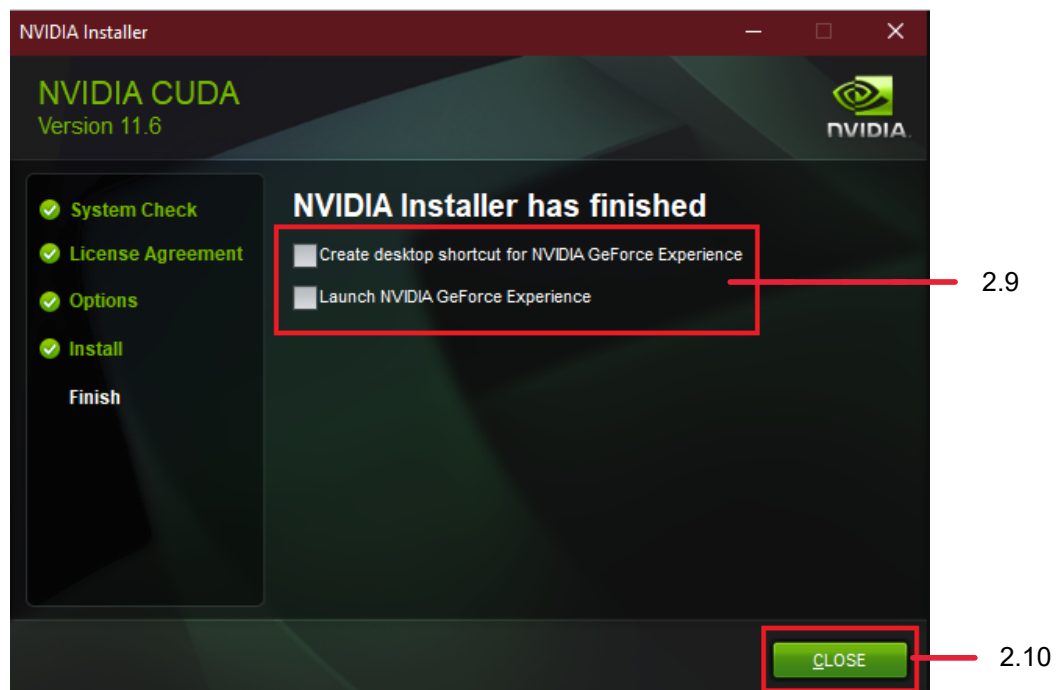
2.8 Click on **next**



The CUDA installation is complete

2.9 Leave the box **unchecked**

2.10 Click on **close**



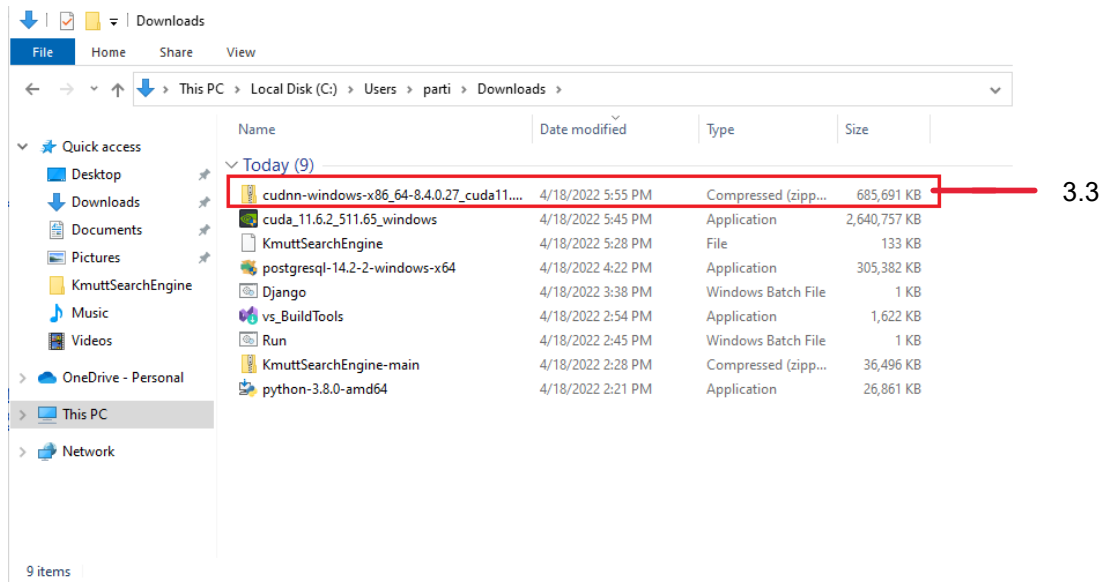
### 3.) Install cudnn

3.1 Download the files from

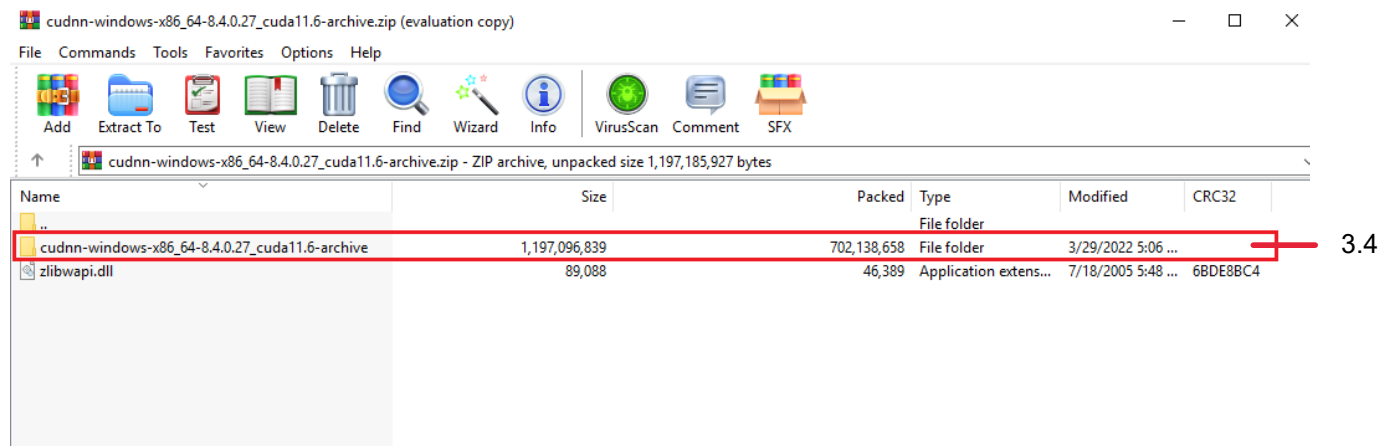
[https://drive.google.com/file/d/1mHVxFZ2OBf\\_Z0bRb\\_YZOEX3aTK7EojqV/view?usp=sharing](https://drive.google.com/file/d/1mHVxFZ2OBf_Z0bRb_YZOEX3aTK7EojqV/view?usp=sharing)

3.2 After downloading Go to download folder

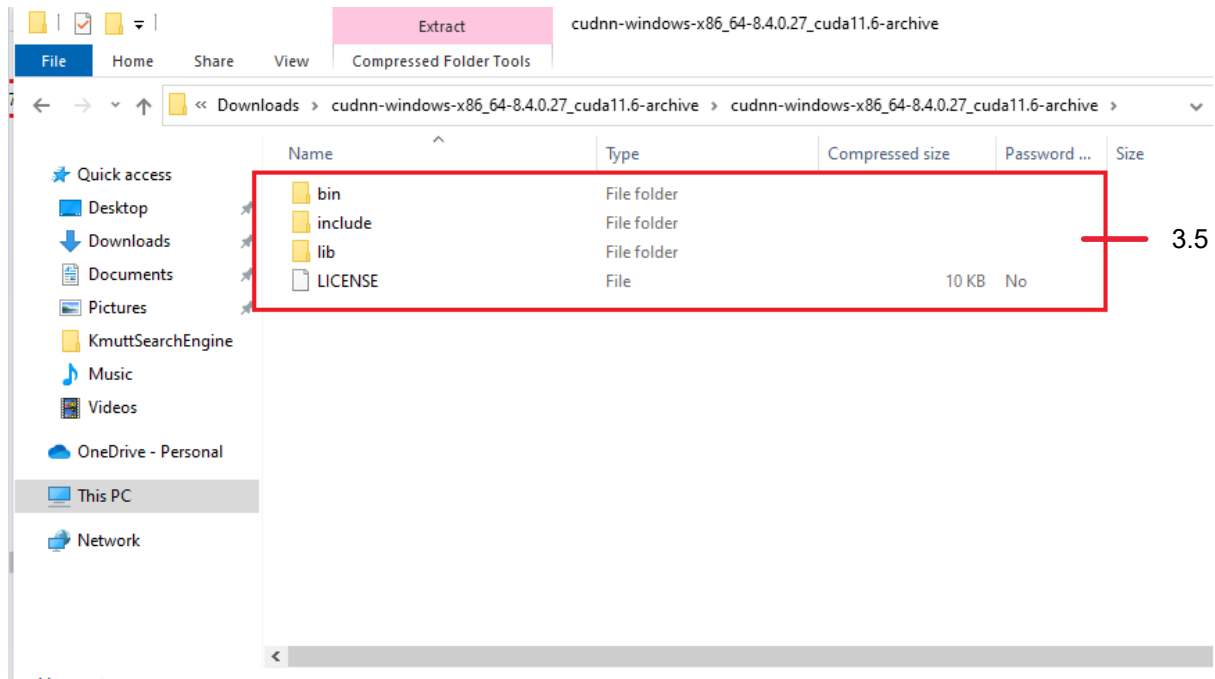
3.3 Select the file



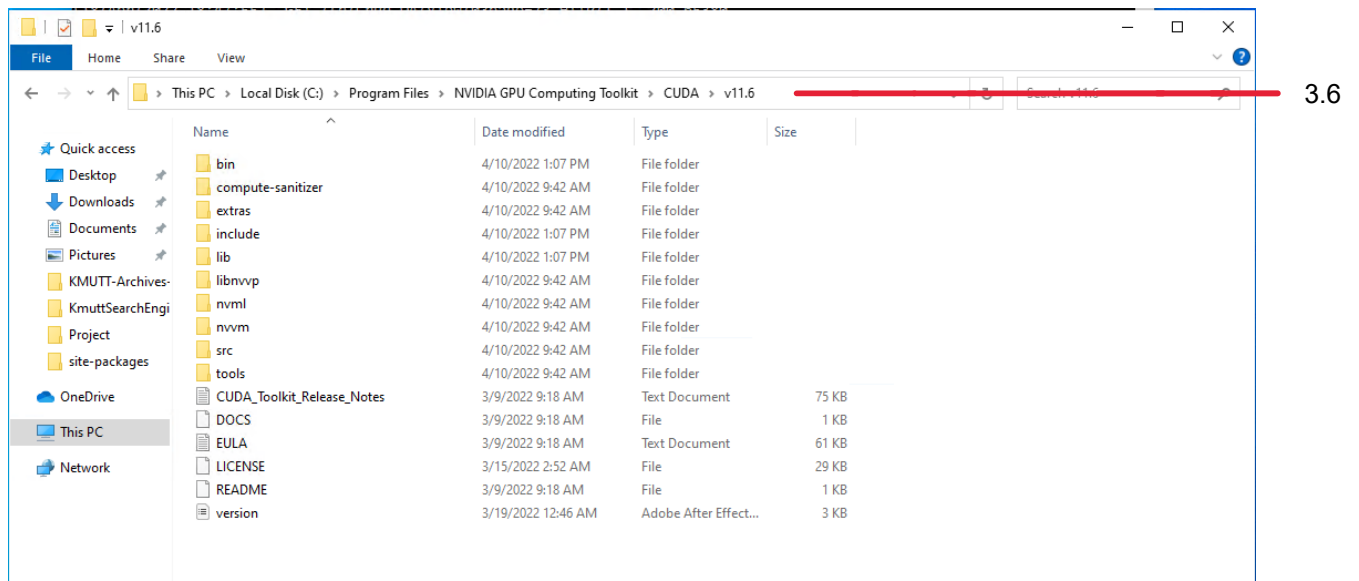
3.4 Click on cudnn-windows-x86 folder



### 3.5 Copy all the files



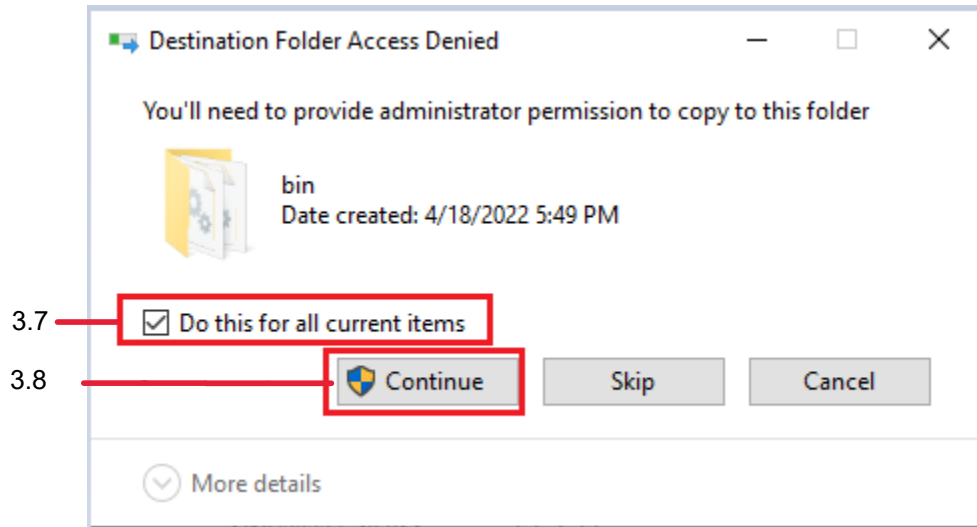
### 3.6 And paste the files at "C:\Program Files\NVIDIA GPU Computing Toolkit\CUDA\v11.6"



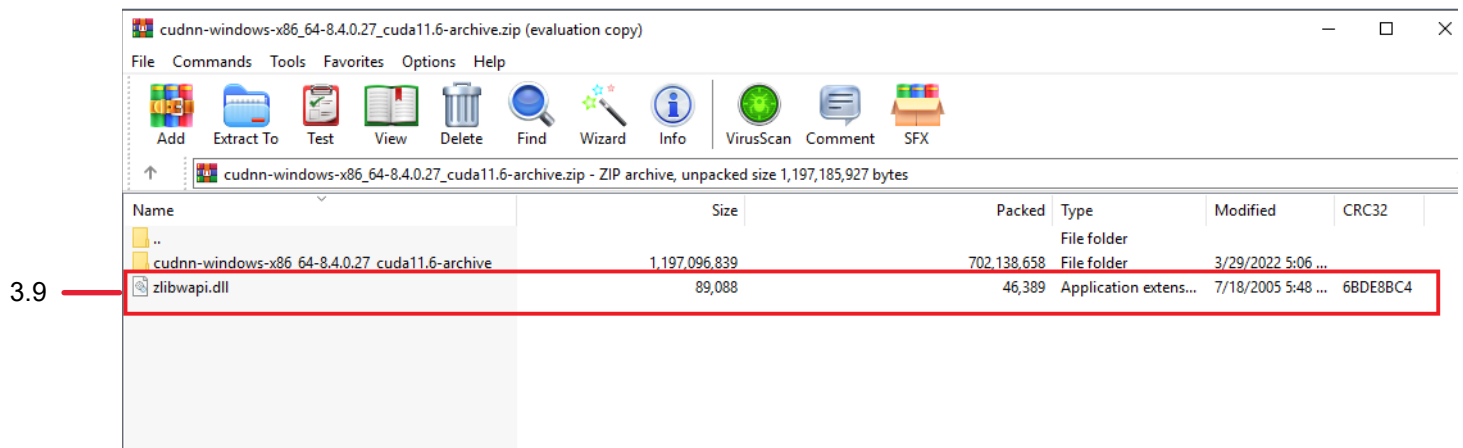
If there is a popup:

3.7 Click on **Do this for all current items**

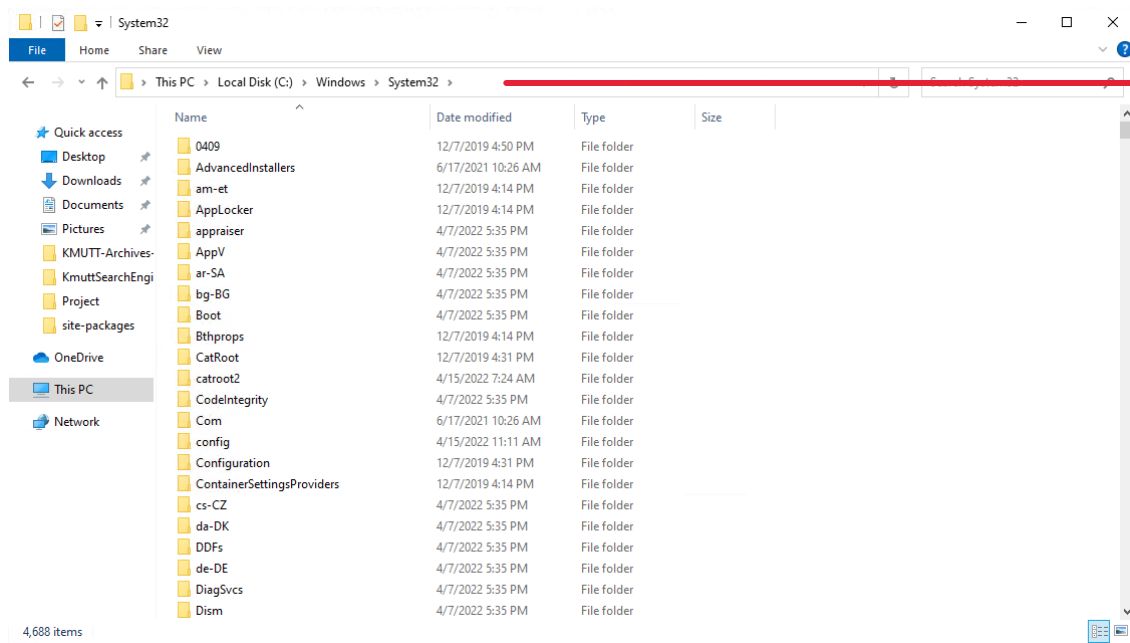
3.8 Click on **Continue**



3.9 copy **zlibwapi.dll** from cudnn zip file



### 3.10 Locate “C:\Windows\System32” and paste the file there



3.10



## 4.) Install visual studio build tools C++

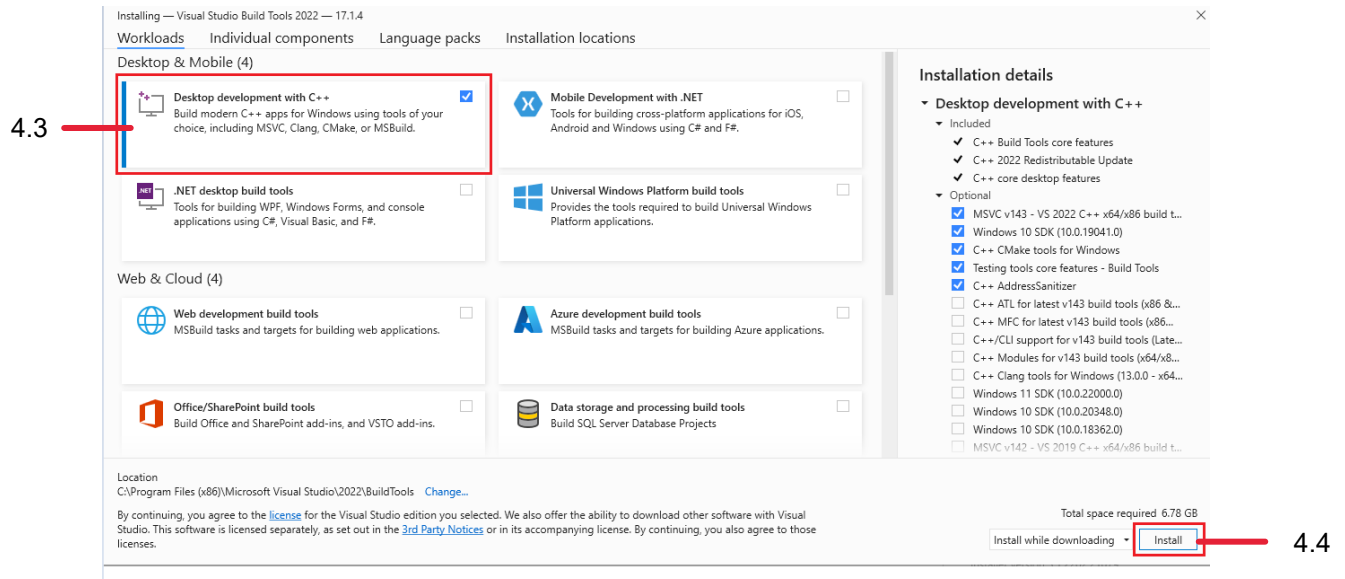
### 4.1 Download the files from

[https://download.visualstudio.microsoft.com/download/pr/3f21c6d5-11da-4876-aa78-a2b2cce30660/93c963cfe8026132ae1567e2917ce60fe7301eb7d6985618010ec31b2c80a184/vs\\_BuildTools.exe](https://download.visualstudio.microsoft.com/download/pr/3f21c6d5-11da-4876-aa78-a2b2cce30660/93c963cfe8026132ae1567e2917ce60fe7301eb7d6985618010ec31b2c80a184/vs_BuildTools.exe)

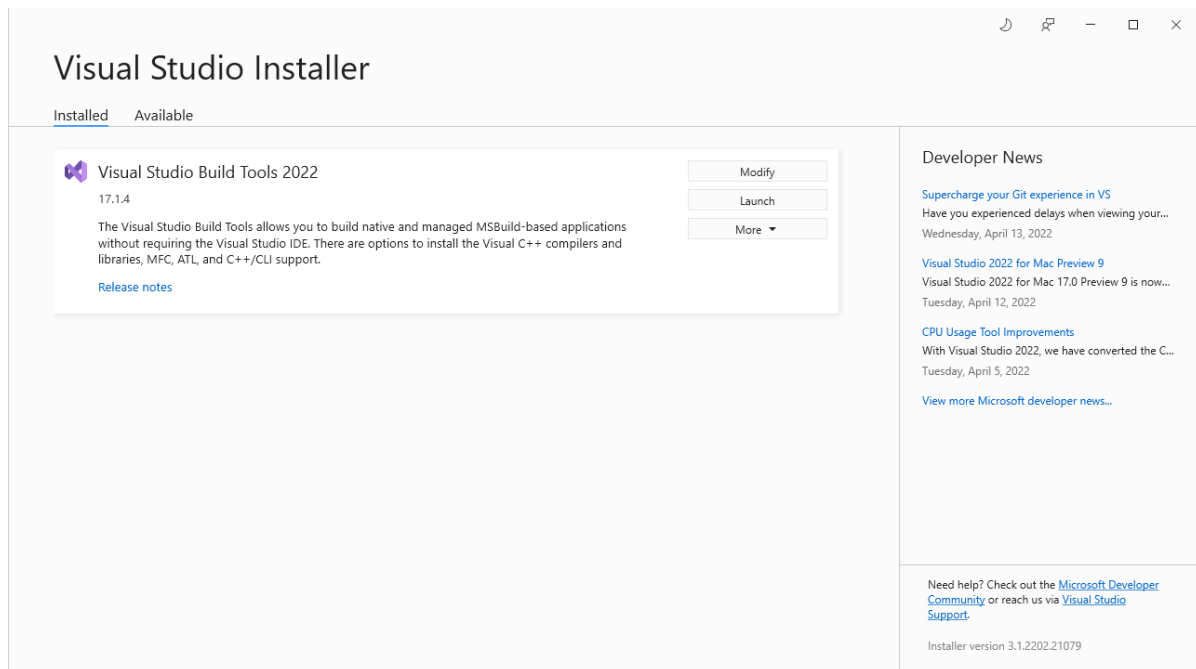
### 4.2 Run the installer

### 4.3 Check the checkbox on Desktop development with C++

### 4.4 Click on install



## 4.5 Wait until you see this page



## 5.) Install PostgreSQL 14.2.2

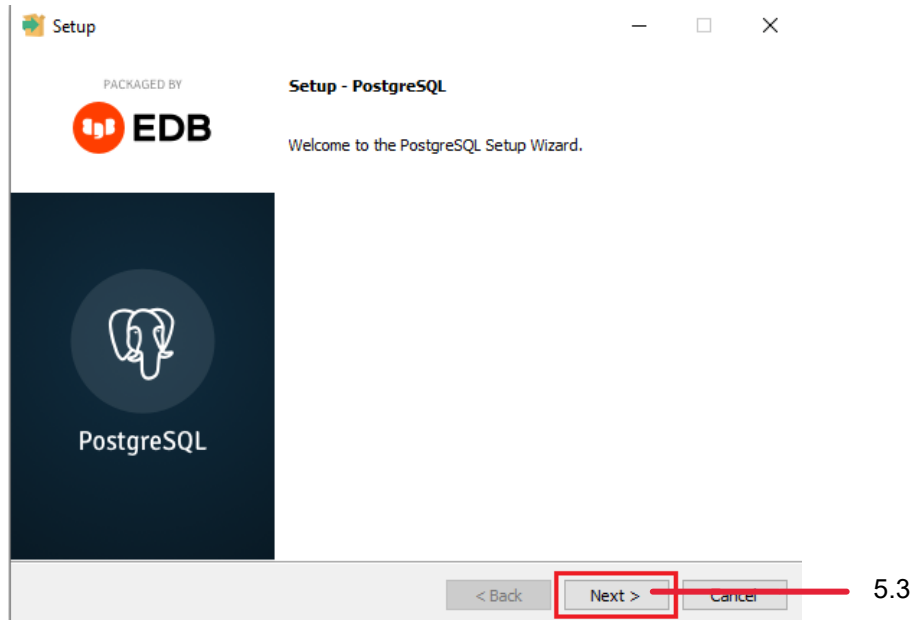
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5.1 Download the files from

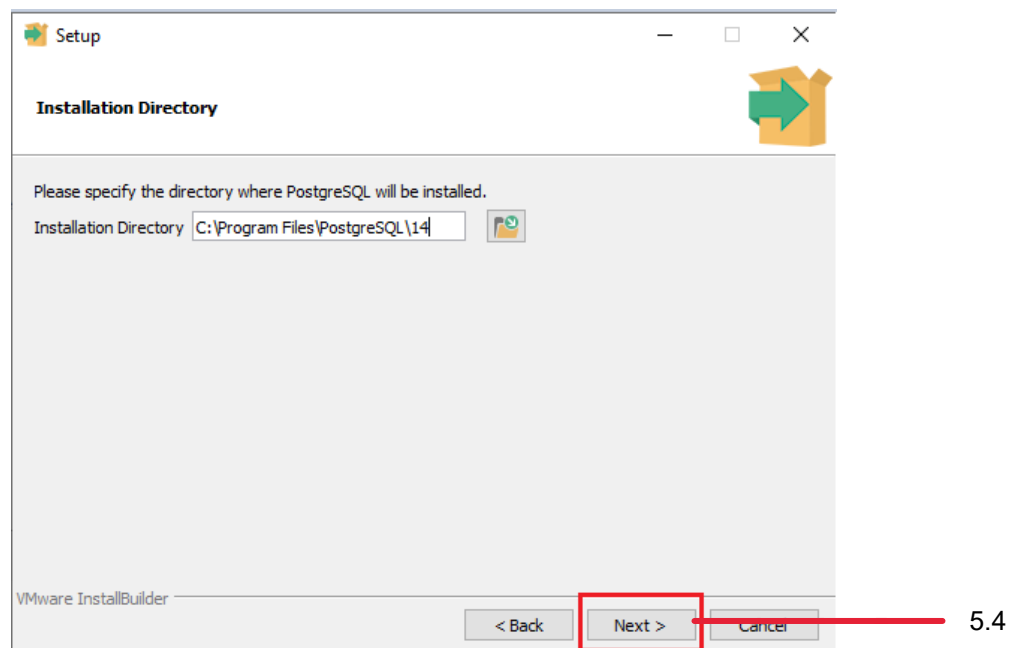
<https://get.enterprisedb.com/postgresql/postgresql-14.2-2-windows-x64.exe>

5.2 Run the installer

5.3 Click on **next**

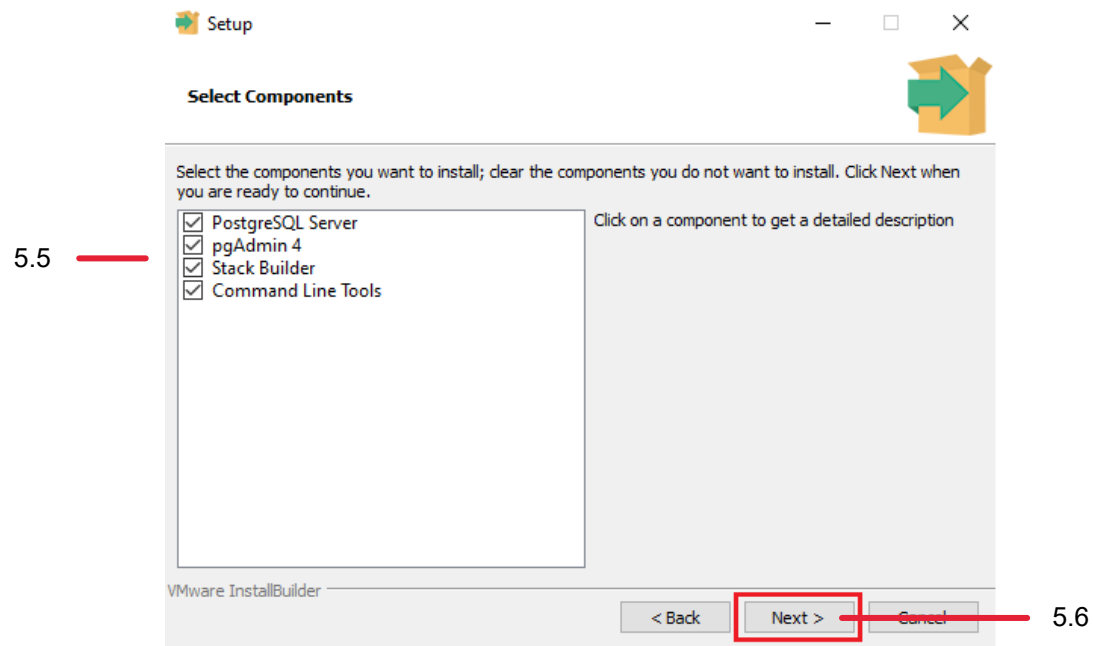


5.4 Click on **next**

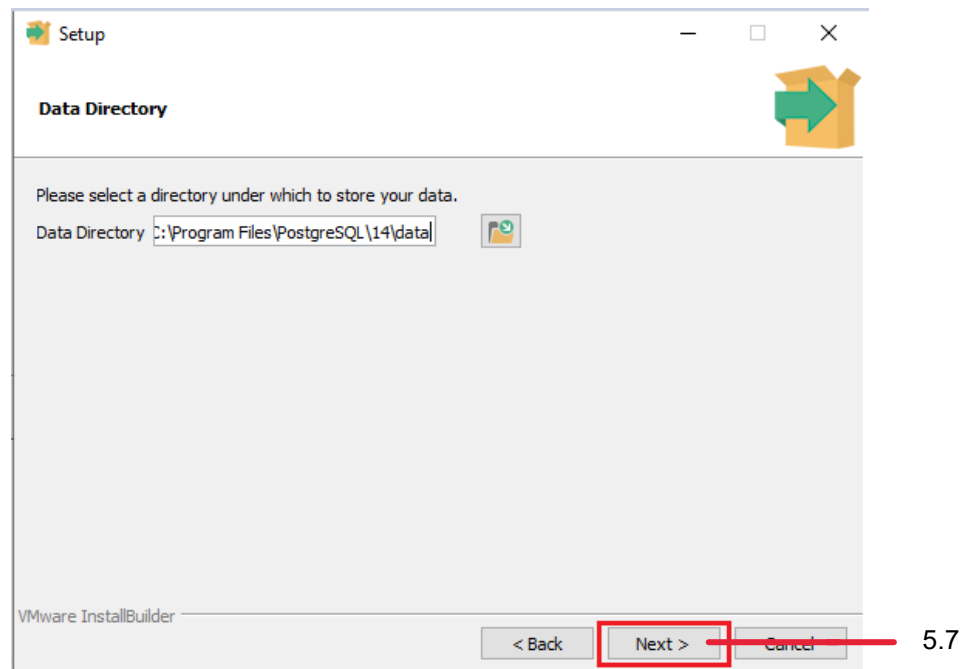


5.5 Select all 4 components

5.6 Click on next

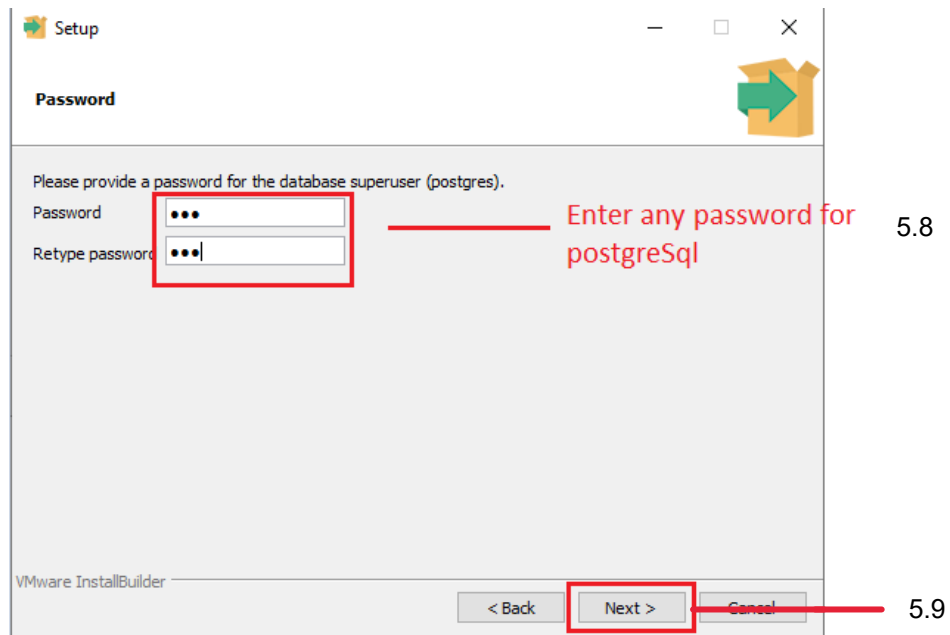


5.7 Click on next



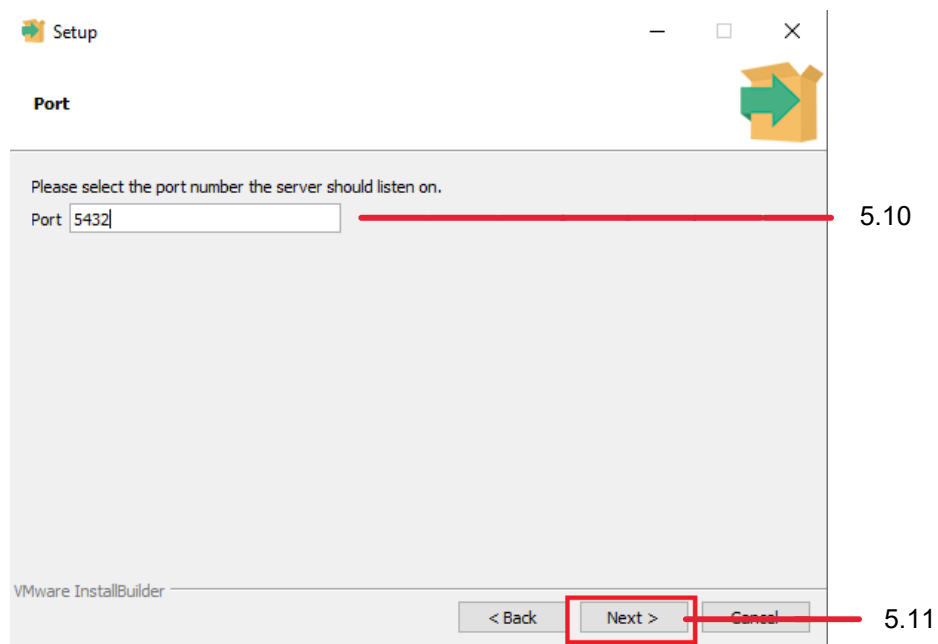
5.8 Set your password

5.9 click on next

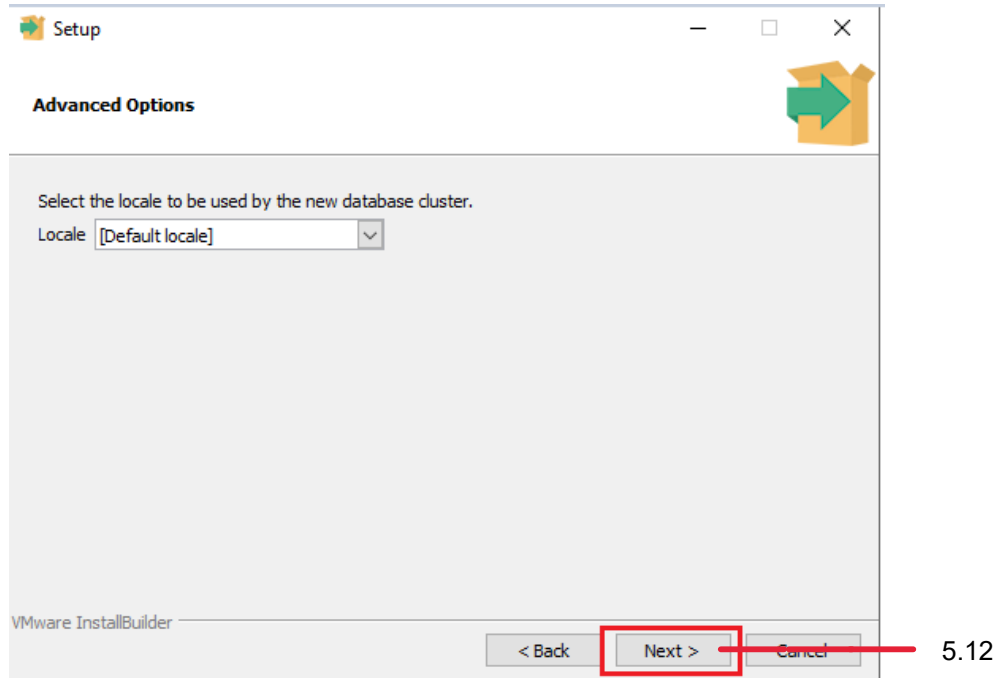


5.10 Set port to 5432

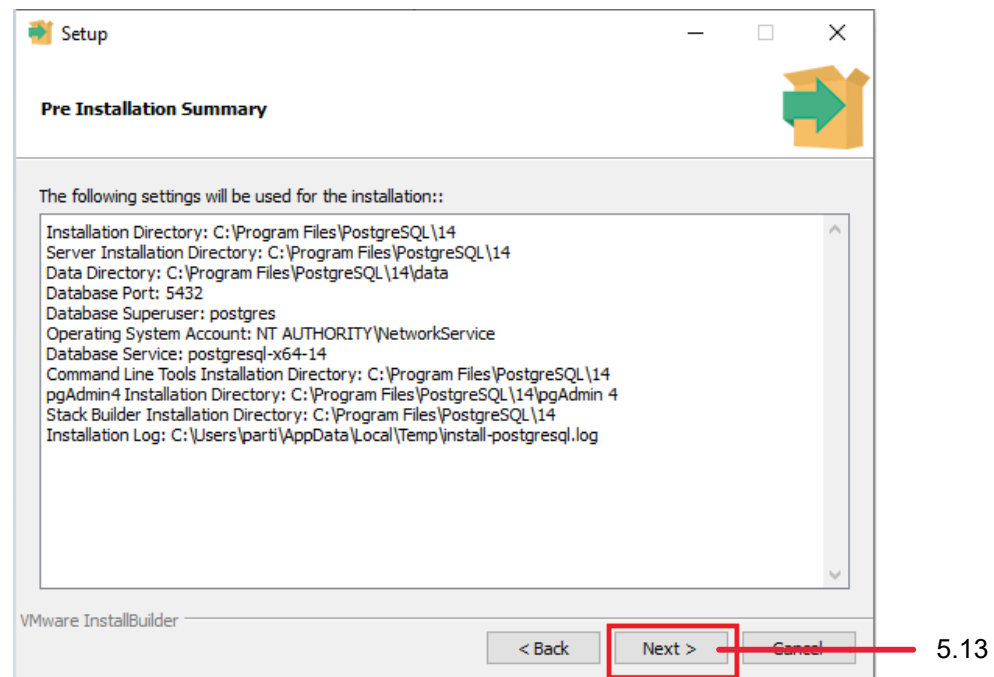
5.11 Click on next



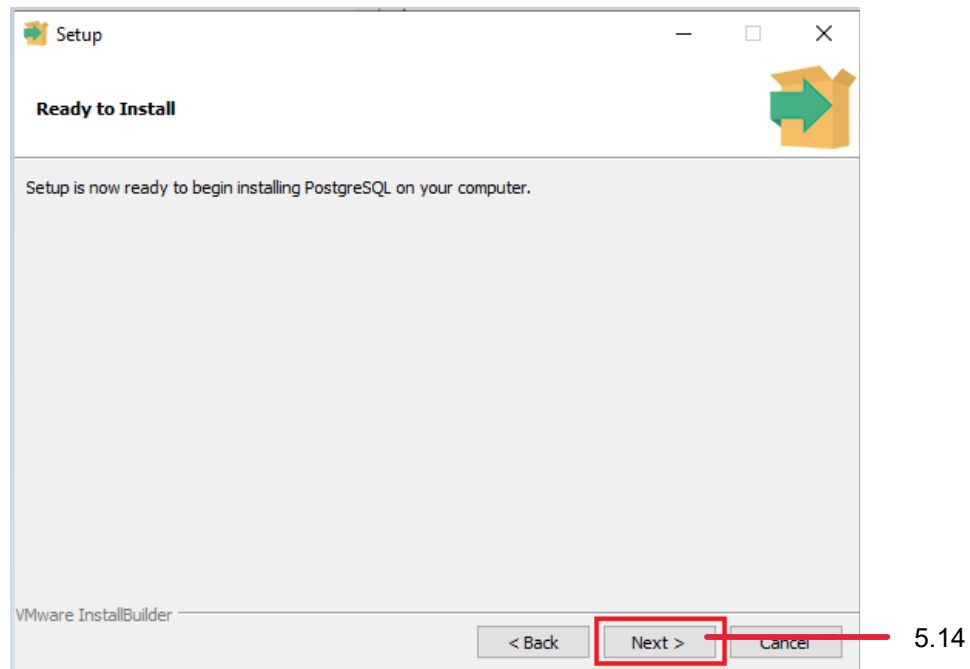
5.12 Click on next



5.13 Click on next

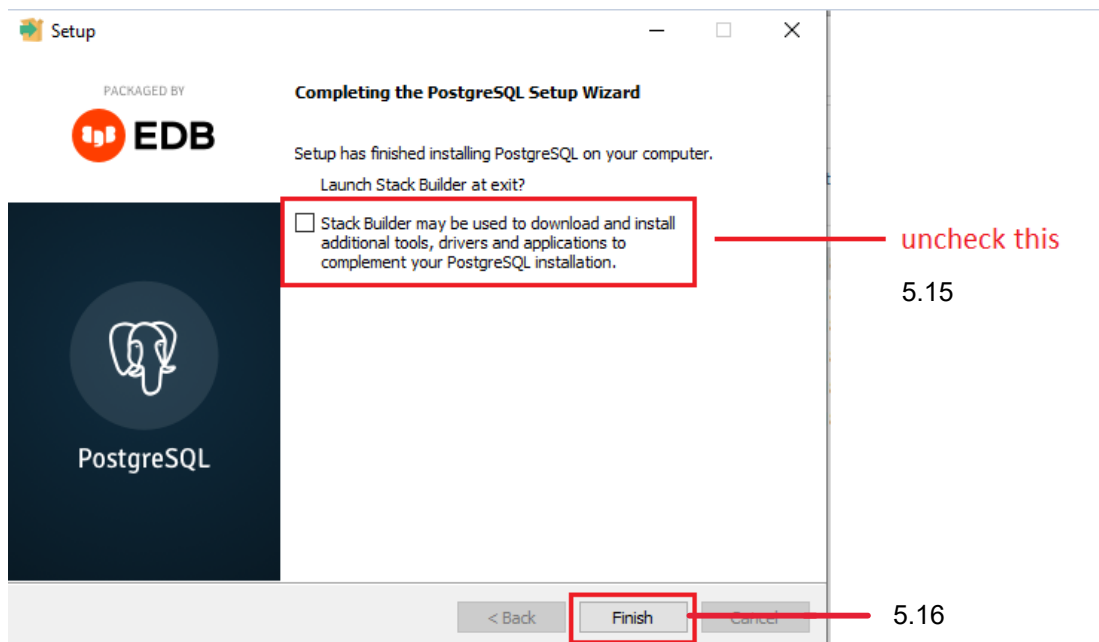


5.14 Click on **next**



5.15 After finish downloading click on uncheck **the box**

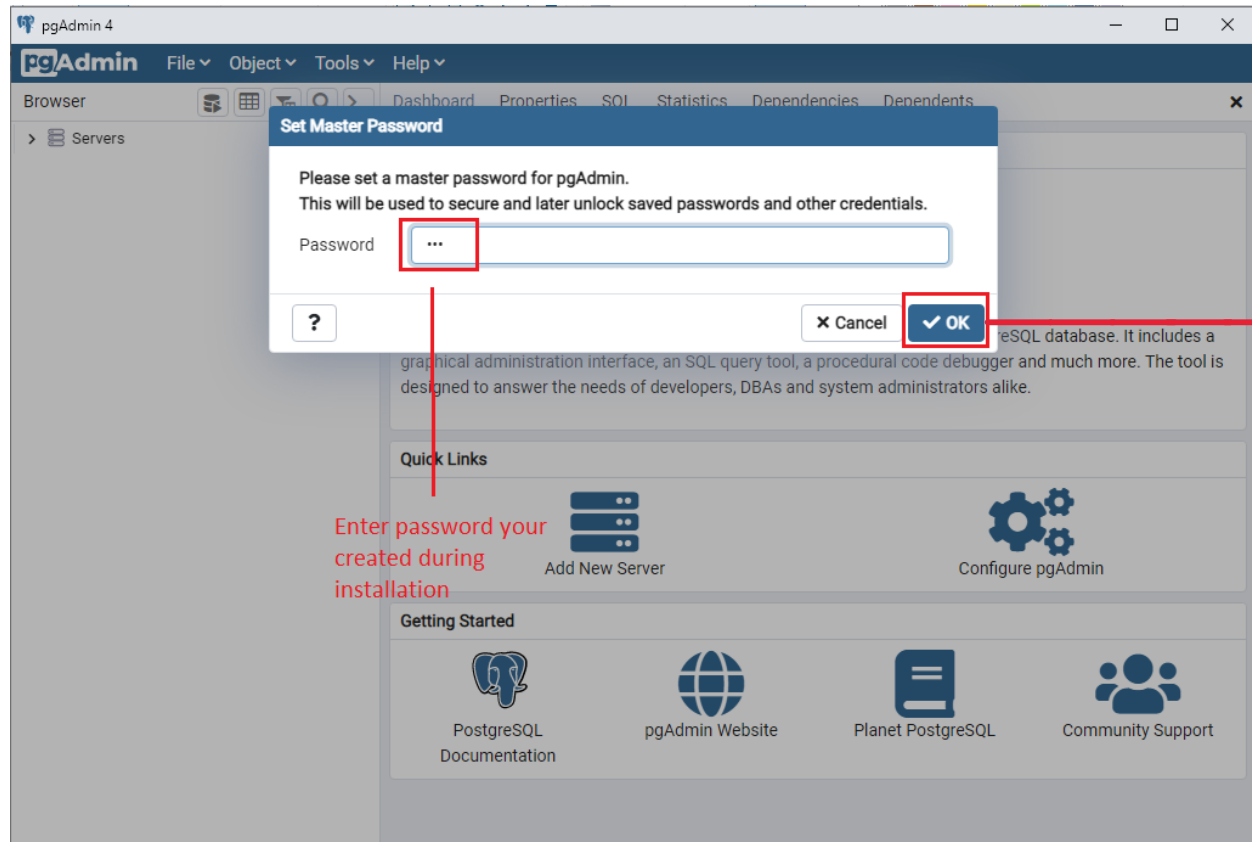
5.16 Click on **finish**



## 6.) Import database

### 6.1 Open pgAdmin 4

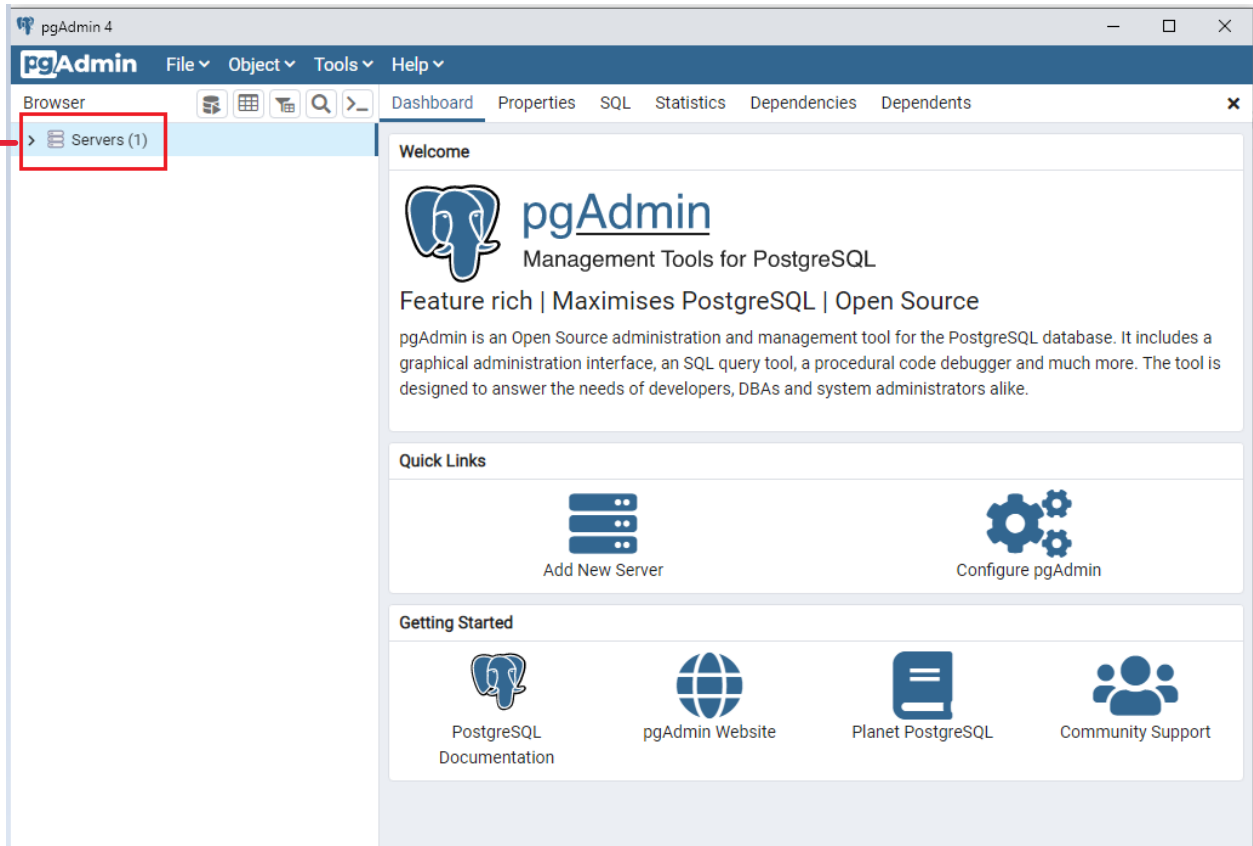
### 6.2 Enter password which is created during the installation



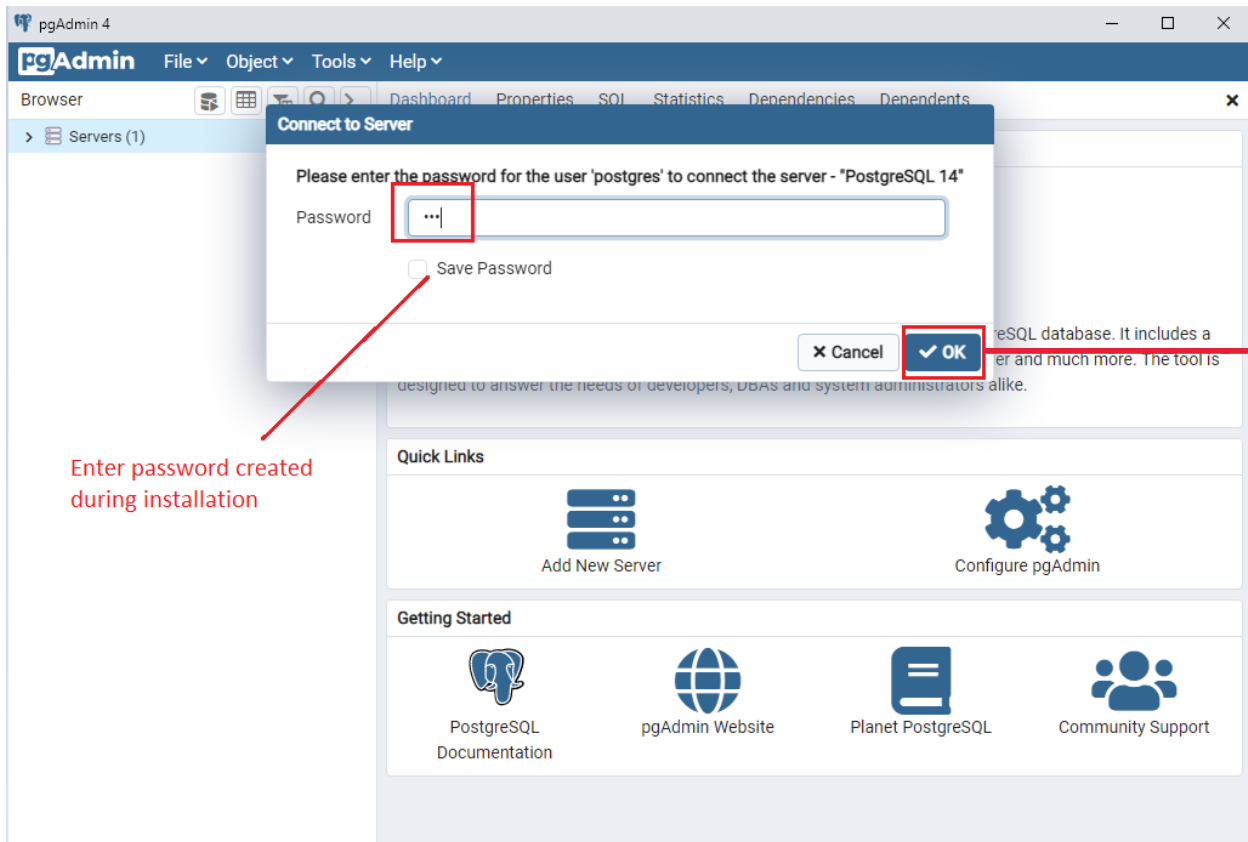


### 6.3 Click on Servers

6.3

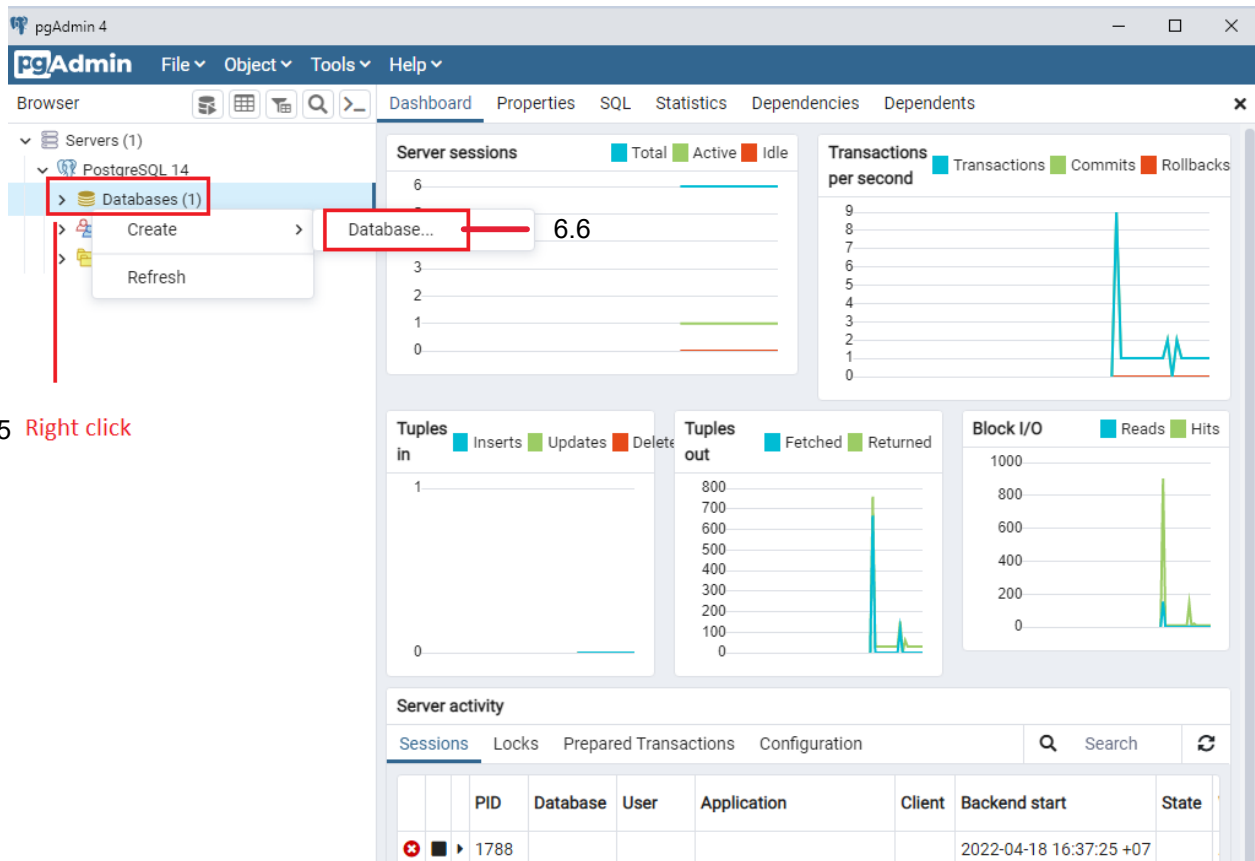


## 6.4 Enter password created during installation again



6.5 Right click on **Databases**

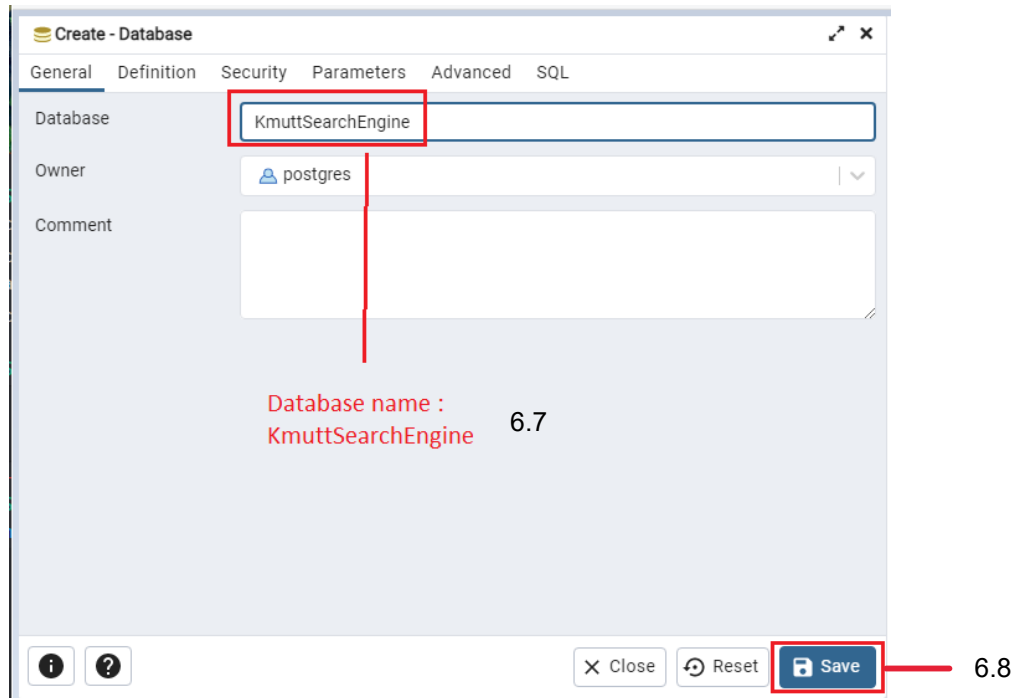
6.6 Then click on **Create → Database**



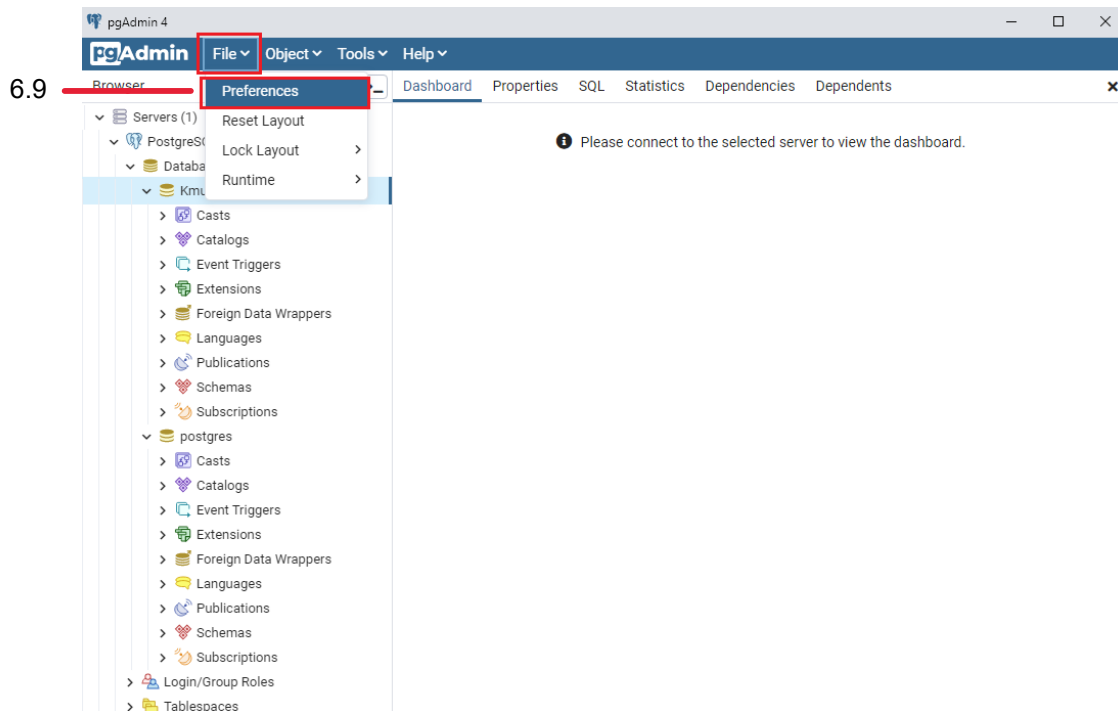
6.5 Right click

6.7 Enter Database name as “KmuttSearchEngine” (necessary)

6.8 Click **Save**



6.9 Then go to **File → Preferences**



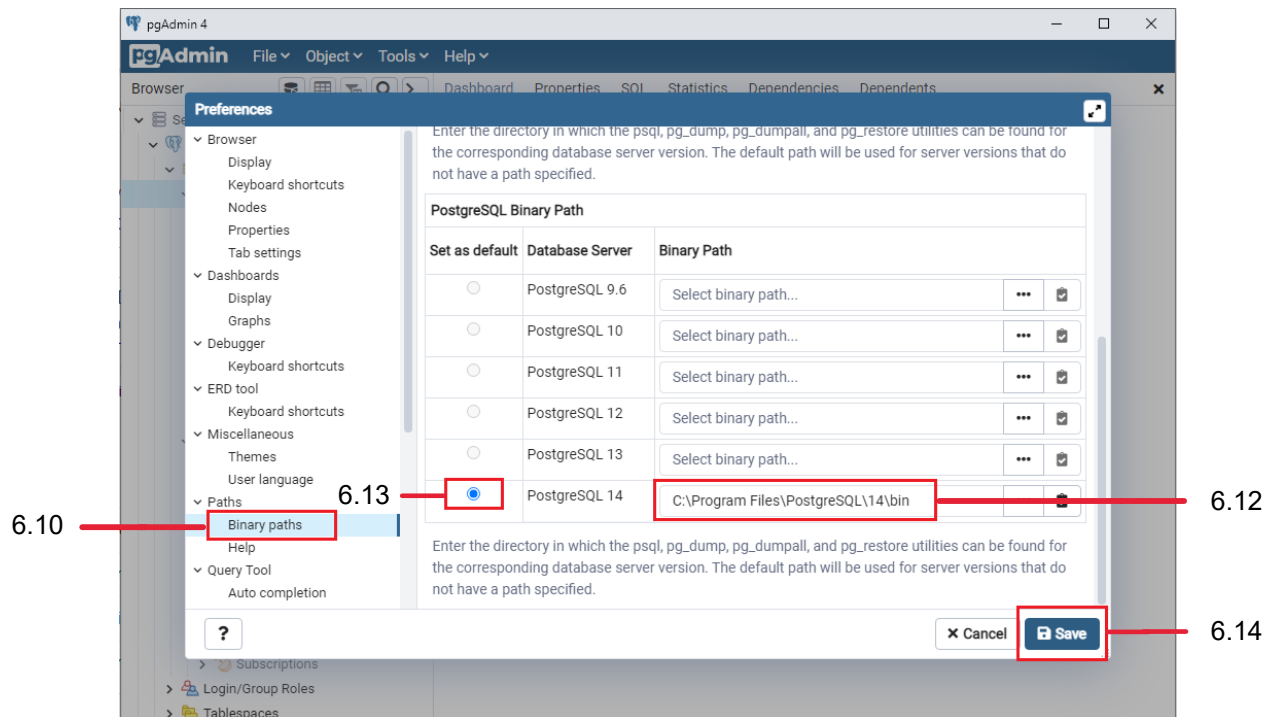
6.10 Click on “Binary paths” menu

6.11 Copy “C:\Program Files\PostgreSQL\14\bin” or locate your PostgreSQL\14\bin

6.12 Copy the path and paste in PostgreSQL 14 Binary Path box

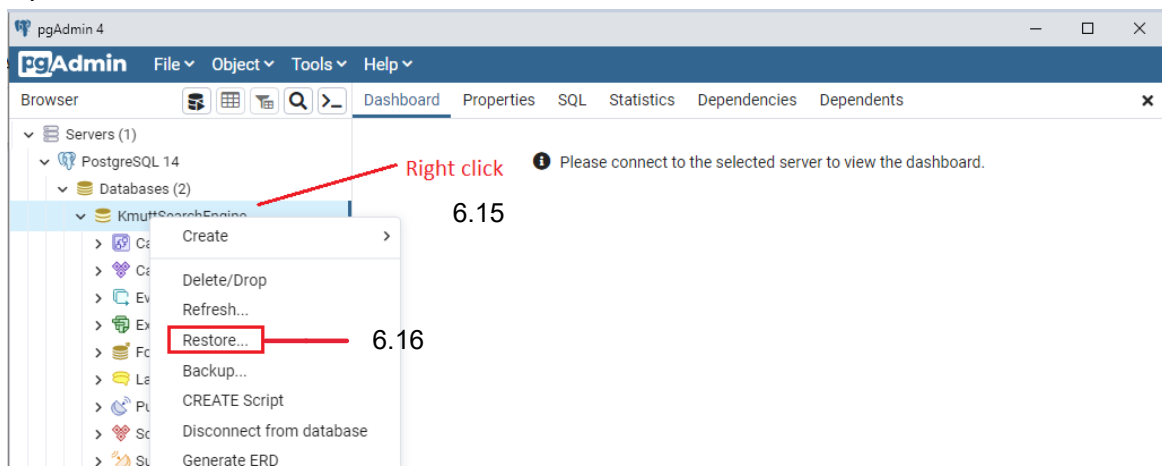
6.13 Check set as default

6.14 Click save



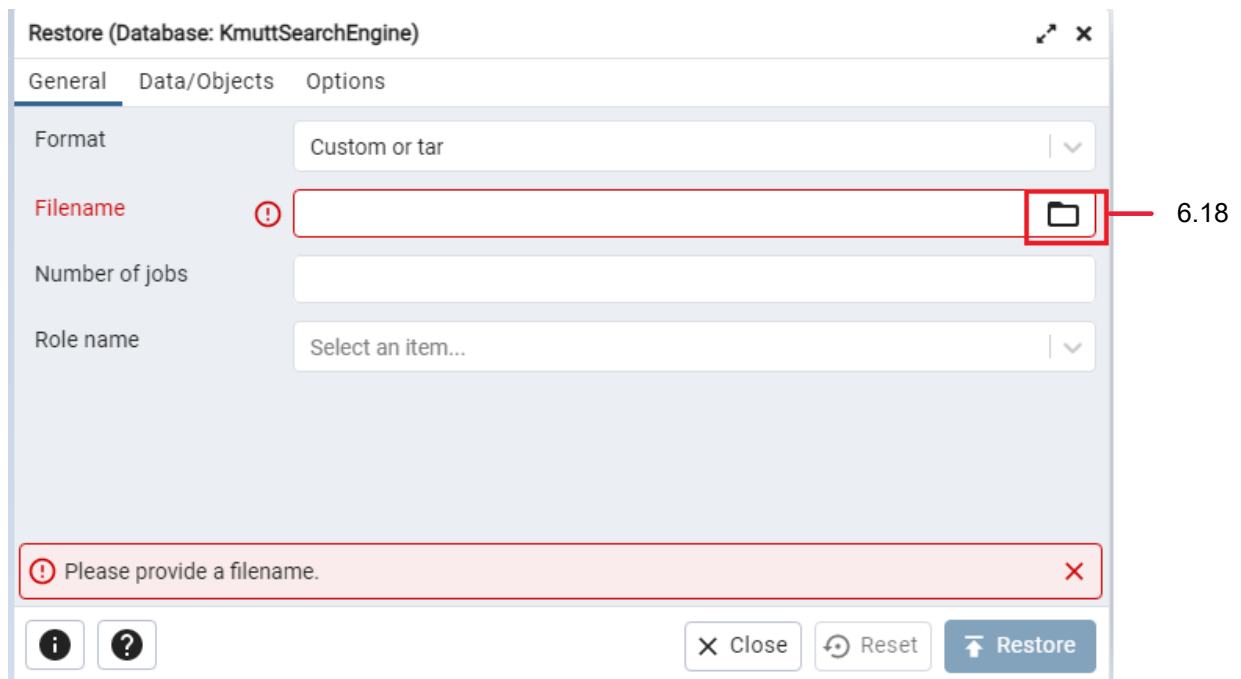
6.15 Right click on KmuttSearchEngine

6.16 press Restore



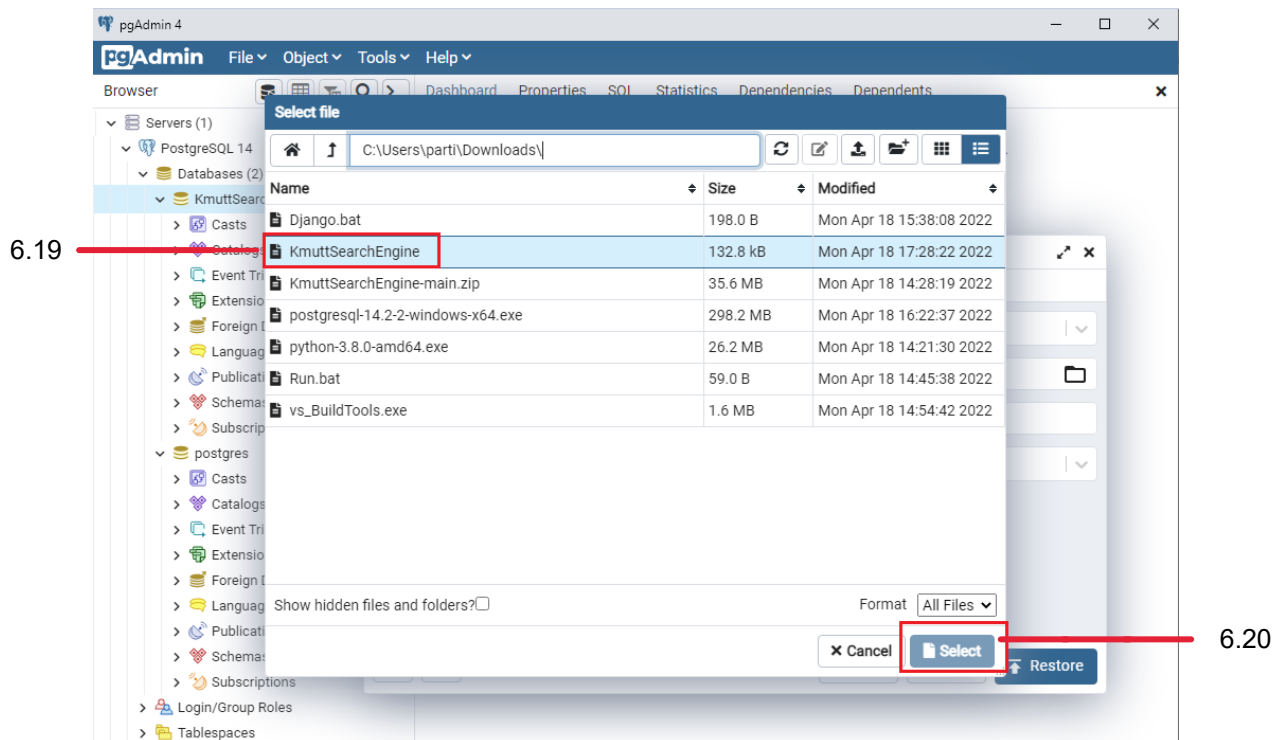
6.17 Download database file from ..... (waiting for finalized database with every question)

6.18 Click on **Folder icon**

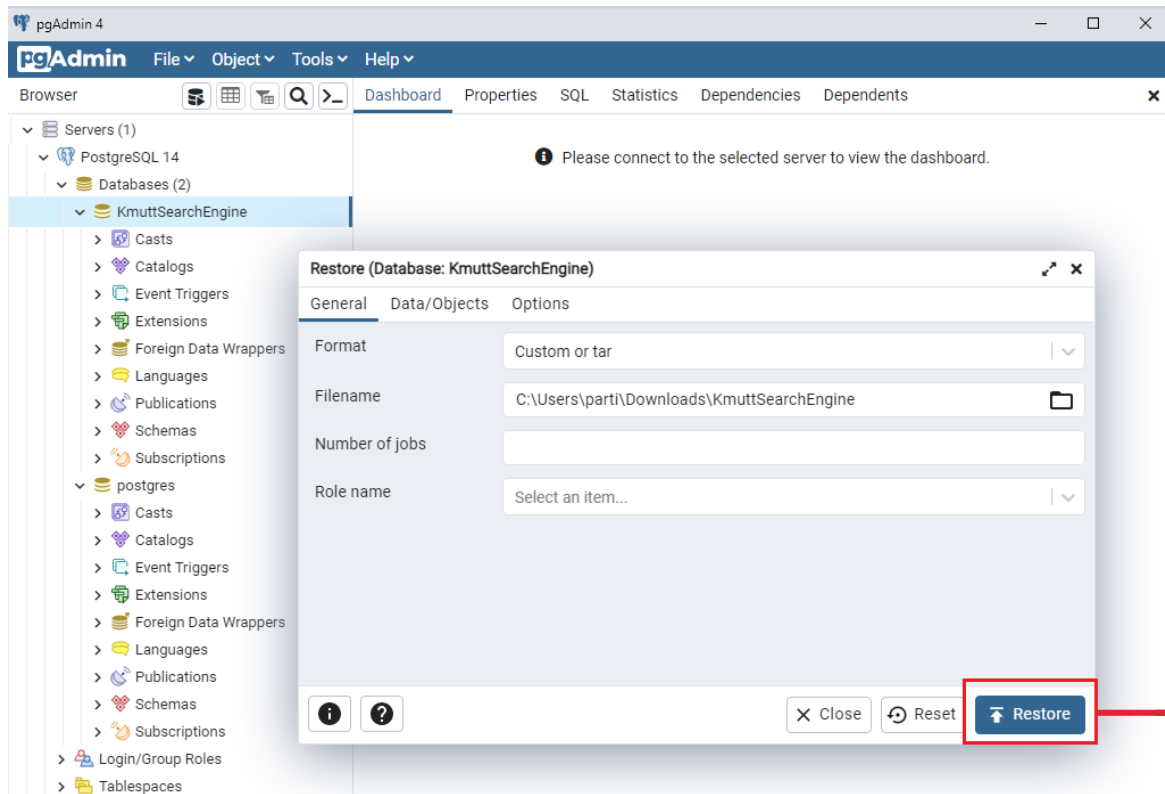


6.19 Locate the **Database file**

6.20 Press on **Select** button



## 6.21 Click on **Restore**

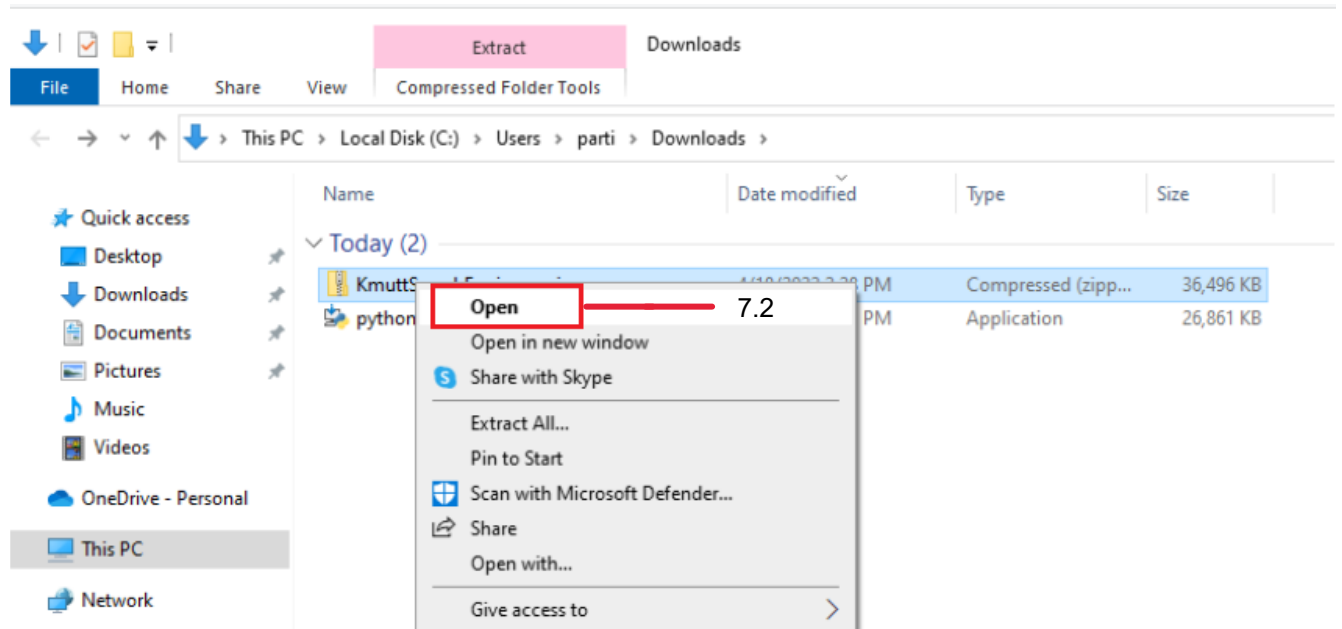


## 7.) Download website files from github

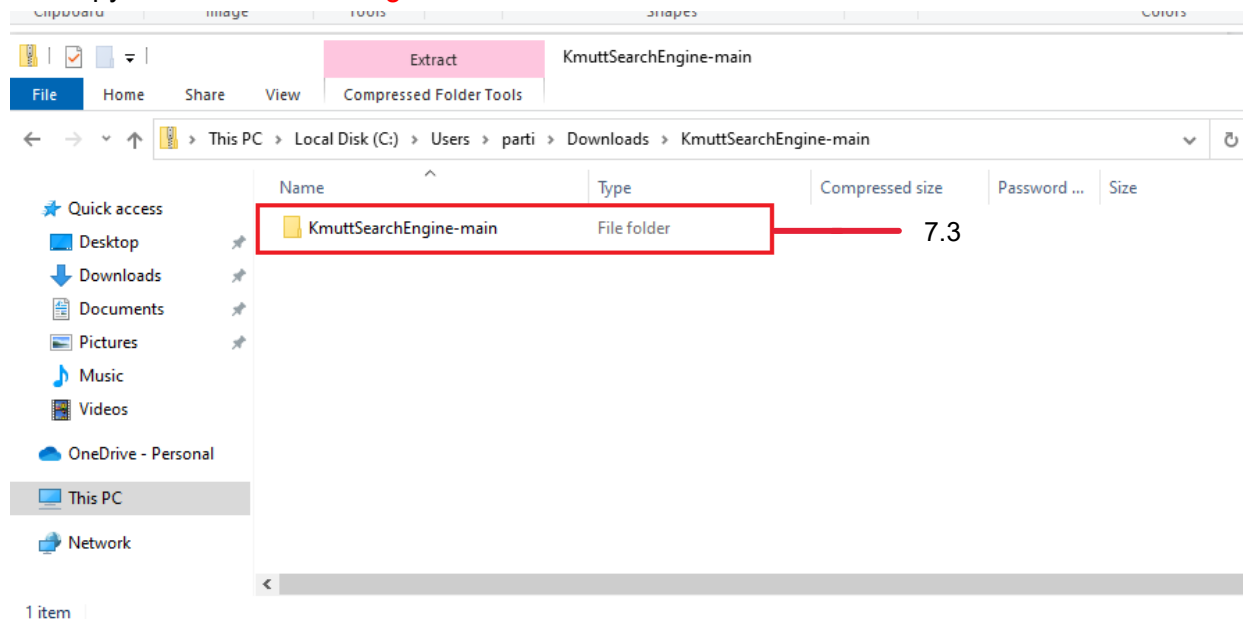
7.1 Download the file from Github:

<https://github.com/saruthvolk/KmuttSearchEngine/archive/refs/heads/main.zip>

7.2 Open the file in the Downloads folder



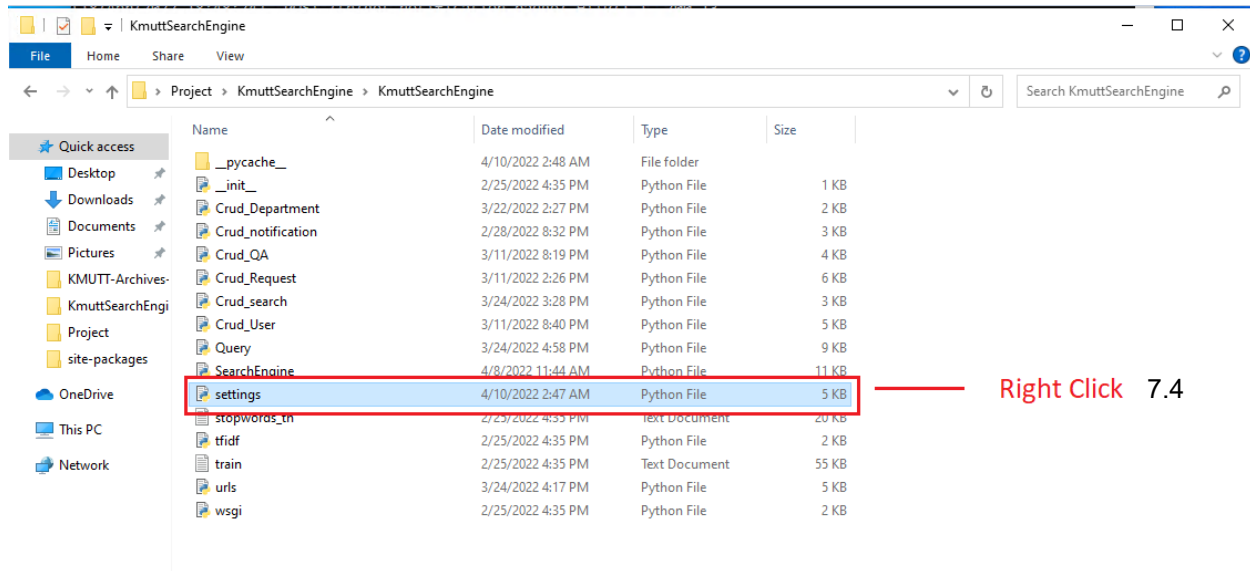
7.3 Copy the KmuttSearchEngine-main file to desired location





## IMPORTANT STEP

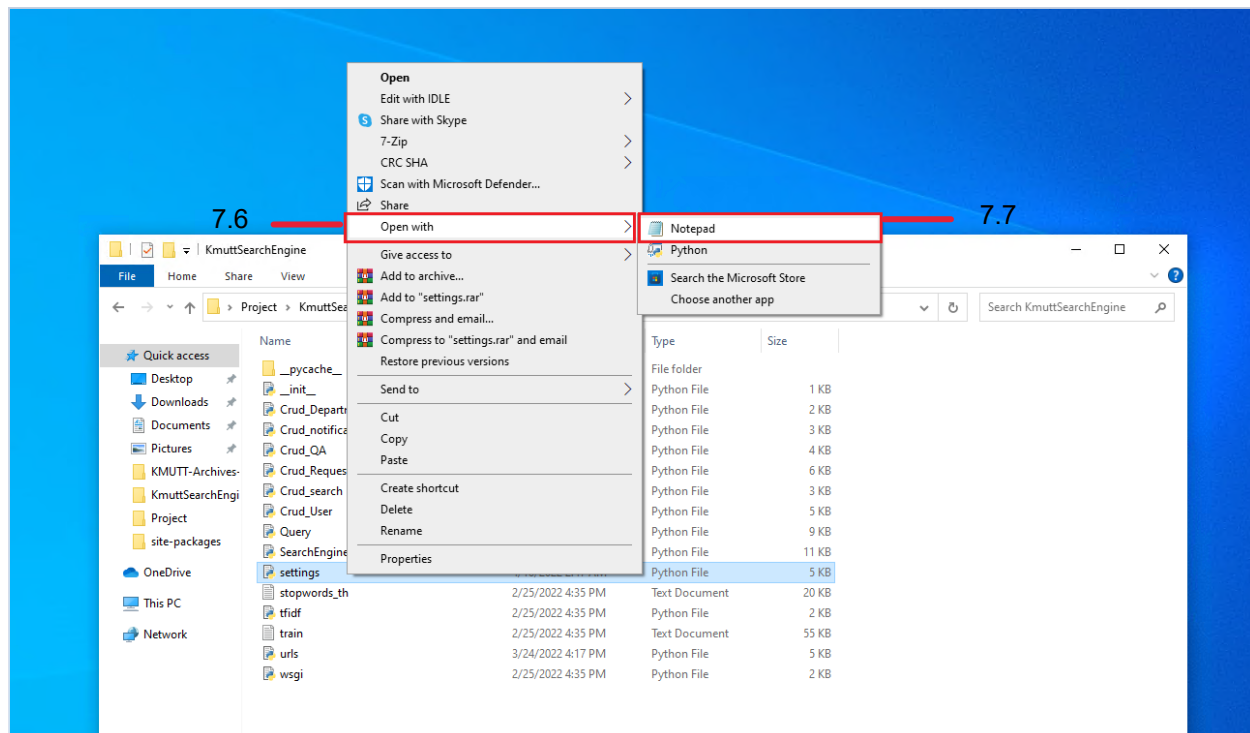
7.4 Edit the “**setting.py**” file in “..\KmuttSearchEngine\KmuttSearchEngine” in your chosen location



7.5 Right click

7.6 Choose **Open with** options

7.7 Choose “**Notepad**”



7.8 Locate the **DATABASES**

7.9 Change USER to **'postgres'**

7.10 Change the PASSWORD to your **postgreSQL password**

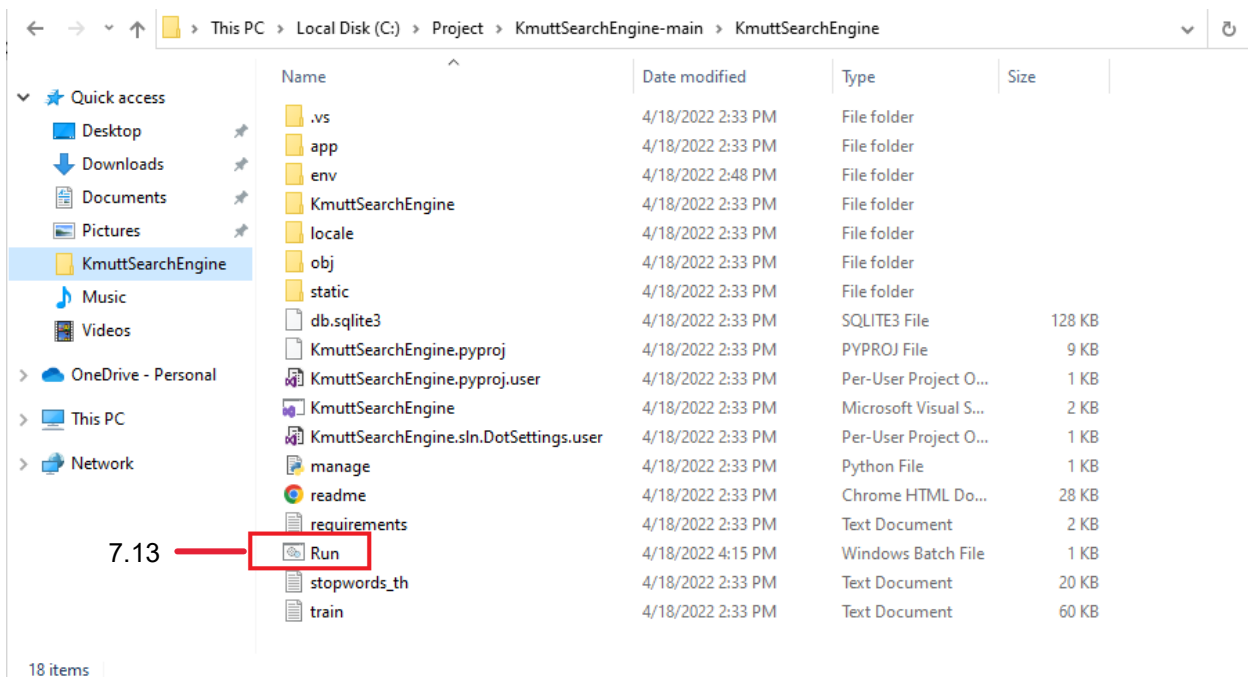
```
DATABASES = {  
    'default': {  
        'ENGINE': 'django.db.backends.postgresql_psycopg2',  
        'NAME': 'KmuttSearchEngine',  
        'USER': 'postgres', 7.9  
        'PASSWORD': '123', 7.10  
        'HOST': 'localhost',  
        'PORT': '5432',  
    }  
}
```

7.11 Save **the file**

7.12 Open the **KmuttSearchEngine** folder

7.13 Run the **Run.bat** file.

7.14 Wait for the setup to finish



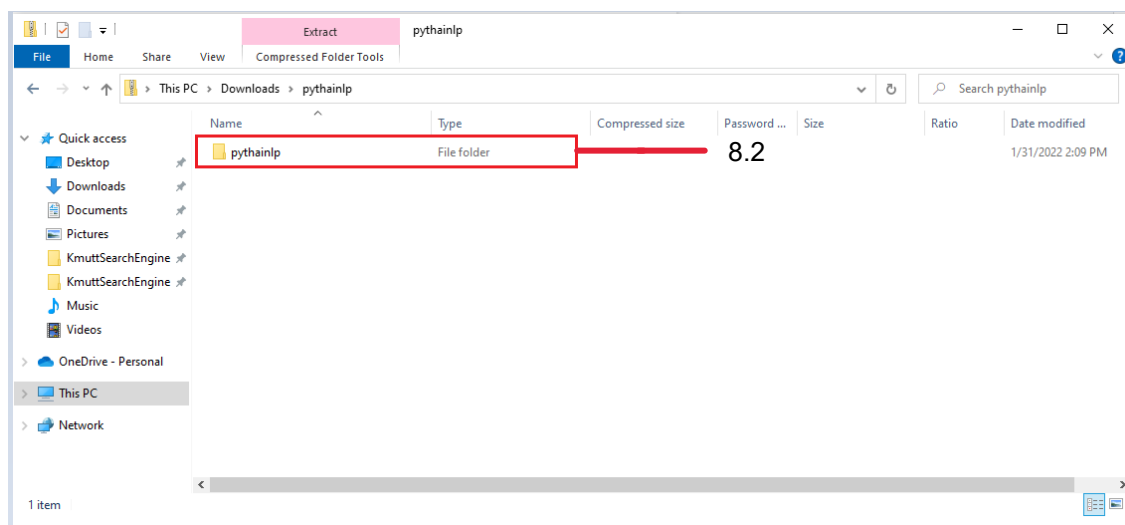
## 8.) Download pythainlp file

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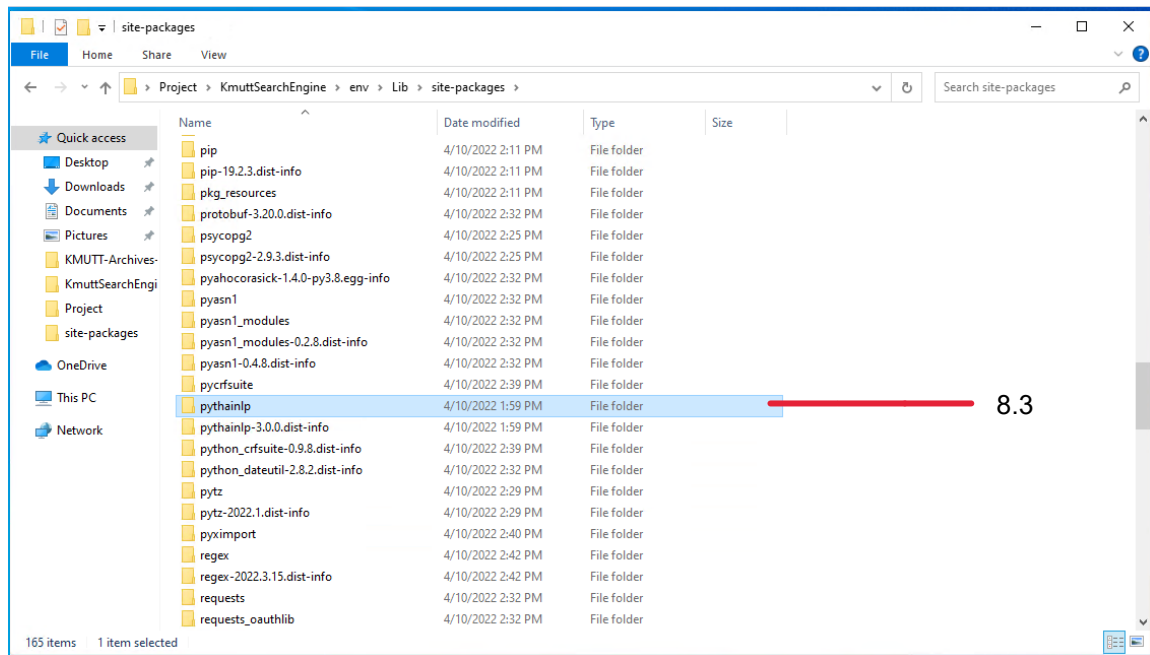
8.1 Download the files from

<https://drive.google.com/file/d/13u03trp4dNPDImBXS17QrJaTdhQ7aLTY/view?usp=sharing>

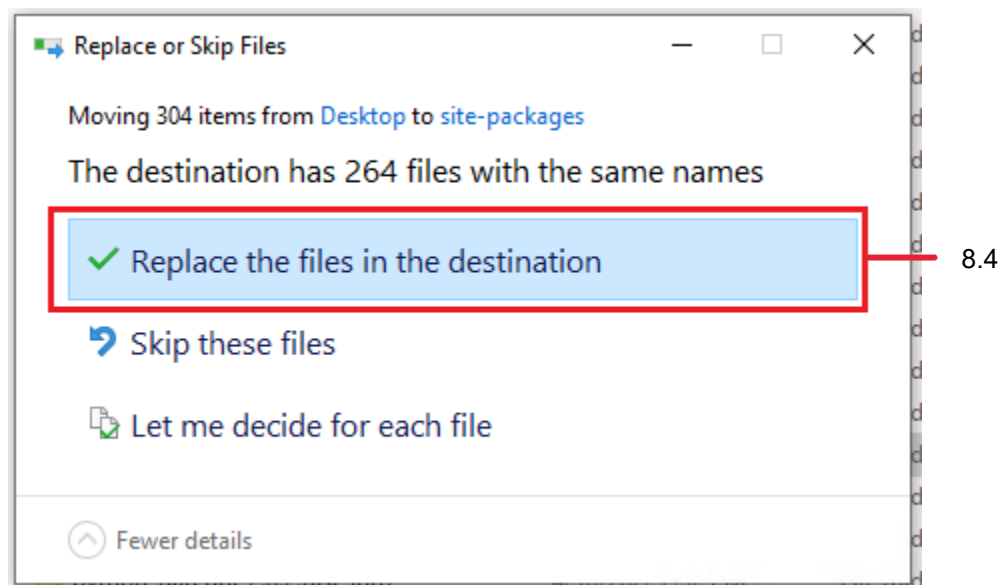
8.2 Copy file (not the compressed file)



8.3 paste it in “\KmuttSearchEngine-main\KmuttSearchEngine\env\Lib\site-packages”



8.4 Click on **Replace the files in the destination**

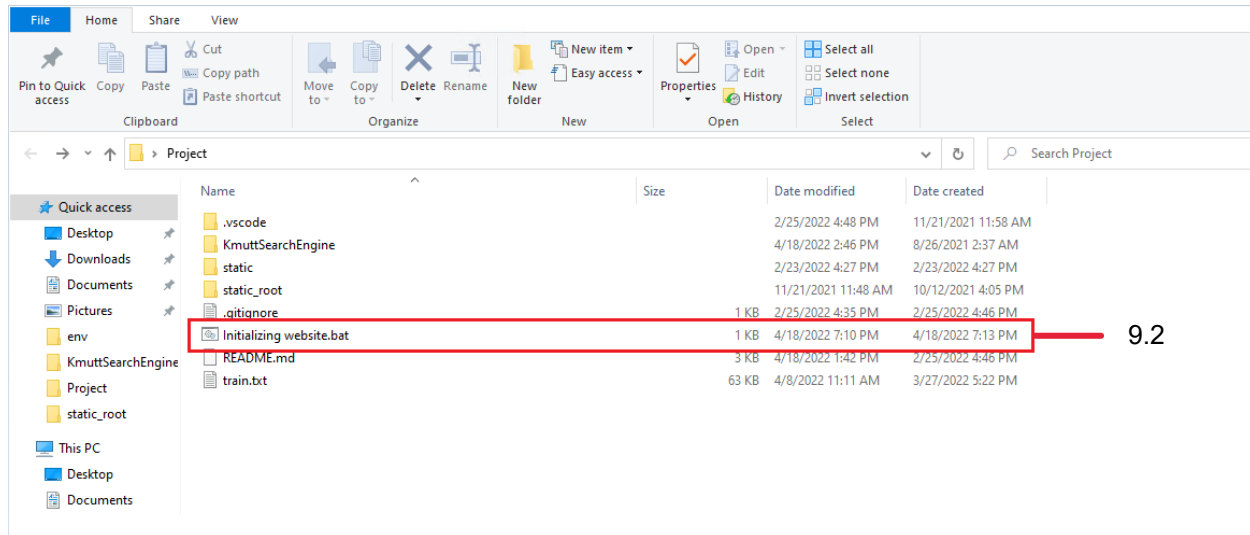


## 9.) Starting the server

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9.1 Open **KmuttSearchEngine-main** folder

9.2 run **"Initializing website.bat"** file



For more information contact .....