

Get started with Python and Anaconda

TUYEN NGOC LE

Installing Anaconda on Windows

- Microsoft Visual Studio
- The NVIDIA CUDA Toolkit
- NVIDIA cuDNN
- Python (Anaconda)
- Tensorflow (with GPU support)

Installing Visual Studio

<https://visualstudio.microsoft.com/downloads/>

- › [Visual Studio 2022](#)
 - › [Tools for Visual Studio 2022](#)
 - › [Visual Studio for Mac](#)
 - › [Visual Studio Code](#)
 - › [Other Tools, Frameworks, and Redistributables](#)
-

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[Visual Studio Express >](#)

Installing Visual Studio

▼ 2019

Visual Studio 2019 and other Products

To download any product from the following list, click the download button and log in with your Visual Studio Subscription account when prompted. If you don't have a Visual Studio Subscription, you can create one for free by clicking on "Create a new Microsoft account" on the login page.

Visual Studio Professional 2019; Visual Studio Enterprise 2019;
Build Tools for Visual Studio 2019
Visual Studio Team Explorer 2019
Agents for Visual Studio 2019
IntelliTrace Standalone Collector for Visual Studio 2019
Performance Tools for Visual Studio 2019
Remote Tools for Visual Studio 2019
Microsoft Visual C++ Redistributable for Visual Studio 2019

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Installing Visual Studio

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Installing Visual Studio

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- Visual Studio 2019 (version 16.0)
- Visual Studio 2019 (version 16.11)
- Visual Studio 2019 (version 16.4)
- Visual Studio 2019 (version 16.7)
- Visual Studio 2019 (version 16.9)
- Visual Studio 2019 for Mac

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Visual Studio Professional 2019 (version 16.11)	Get Key Info Release date: 1/11/2022 x64 Multiple Lang... exe Download ↓					
Visual Studio Community 2019 (version 16.11)	No key required Info Release date: 1/11/2022 x64 Multiple Lang... exe Download ↓					
Visual Studio Team Explorer 2019 (version 16.9)	No key required Info Release date: 1/11/2022 x64 Multiple Lang... EXE Download ↓					
Agents for Visual Studio 2019 (version 16.11)	No key required Info Release date: 1/11/2022 x64 English exe Download ↓					
Visual Studio Enterprise 2019 (version 16.11)	Get Key Info Release date: 1/11/2022 x64 Multiple Lang... exe Download ↓					
Visual Studio Team Explorer 2019 (version 16.7)	No key required Info Release date: 1/11/2022 x64 Multiple Lang... EXE Download ↓					
Agents for Visual Studio 2019 (version 16.9)						

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Thank you for downloading Visual Studio

Your download will start shortly. If your download does not begin, [click here to retry](#)

New to Visual Studio? Learning a new development tool can be overwhelming. Take this step-by-step learning journey at your own pace to successfully create a simple app in any language of your choice. Let's get started!

Install Visual Studio

First please make sure to open your Visual Studio download and install. You can save installation time and disk space by [selecting just the components needed](#). You can always incrementally add more components later at any time as needed.

Getting Started with Visual Studio IDE

To develop any type of app or learn a language, you'll be working in the Visual Studio Integrated Development Environment (IDE). Beyond code editing, Visual Studio IDE brings together graphical designers, compilers, code completion tools, source control, extensions and many more features in one place. Watch this short video to get familiar with the IDE and to learn how to use it for basic tasks.



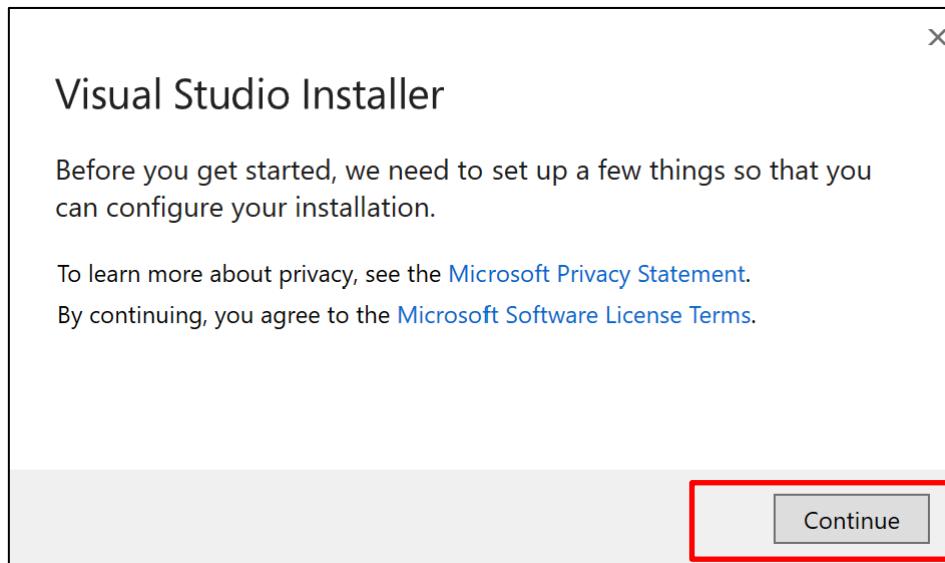
vs_community_86....exe

Feedback

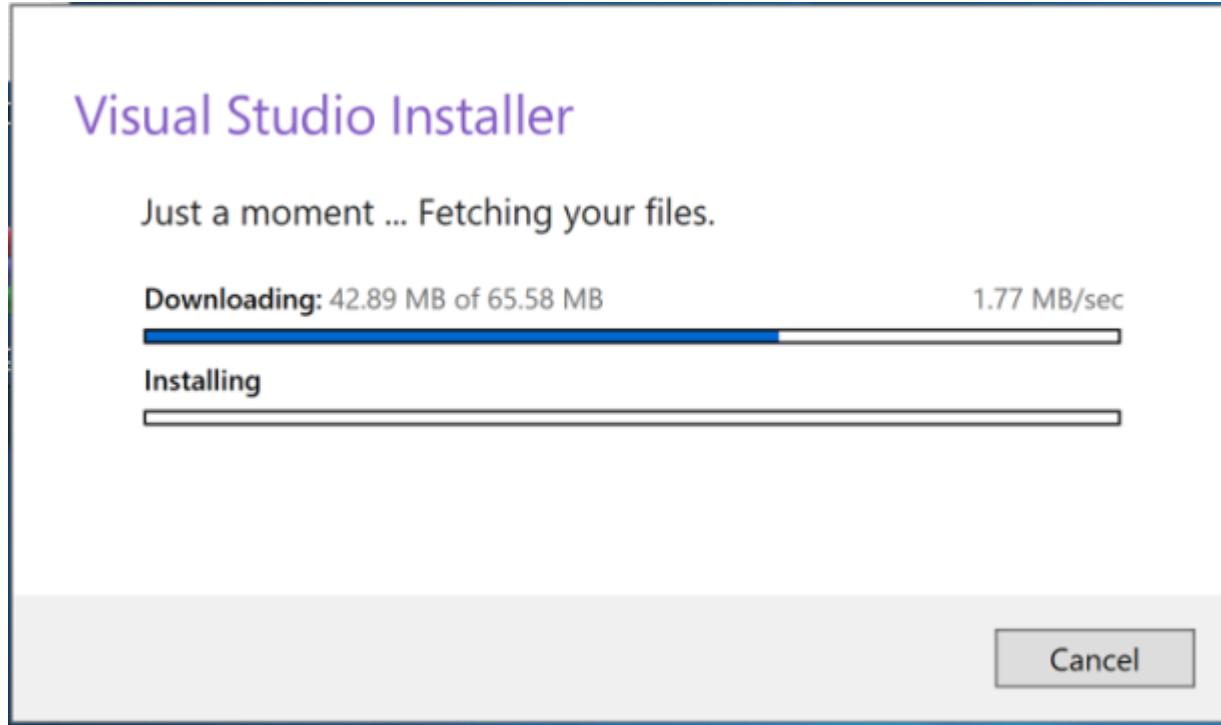
Installing Visual Studio

 vs_community_86cfffe0c37d341739efce604f8a49608.exe	1/15/2022 12:24 AM	Application	1,424 KB
 vs_Community.exe	1/14/2022 10:12 PM	Application	1,424 KB
 Anaconda3-2021.11-Windows-x86_64.exe	1/12/2022 12:16 AM	Application	522,513 KB
 ChromeSetup.exe	1/11/2022 5:08 PM	Application	1,310 KB

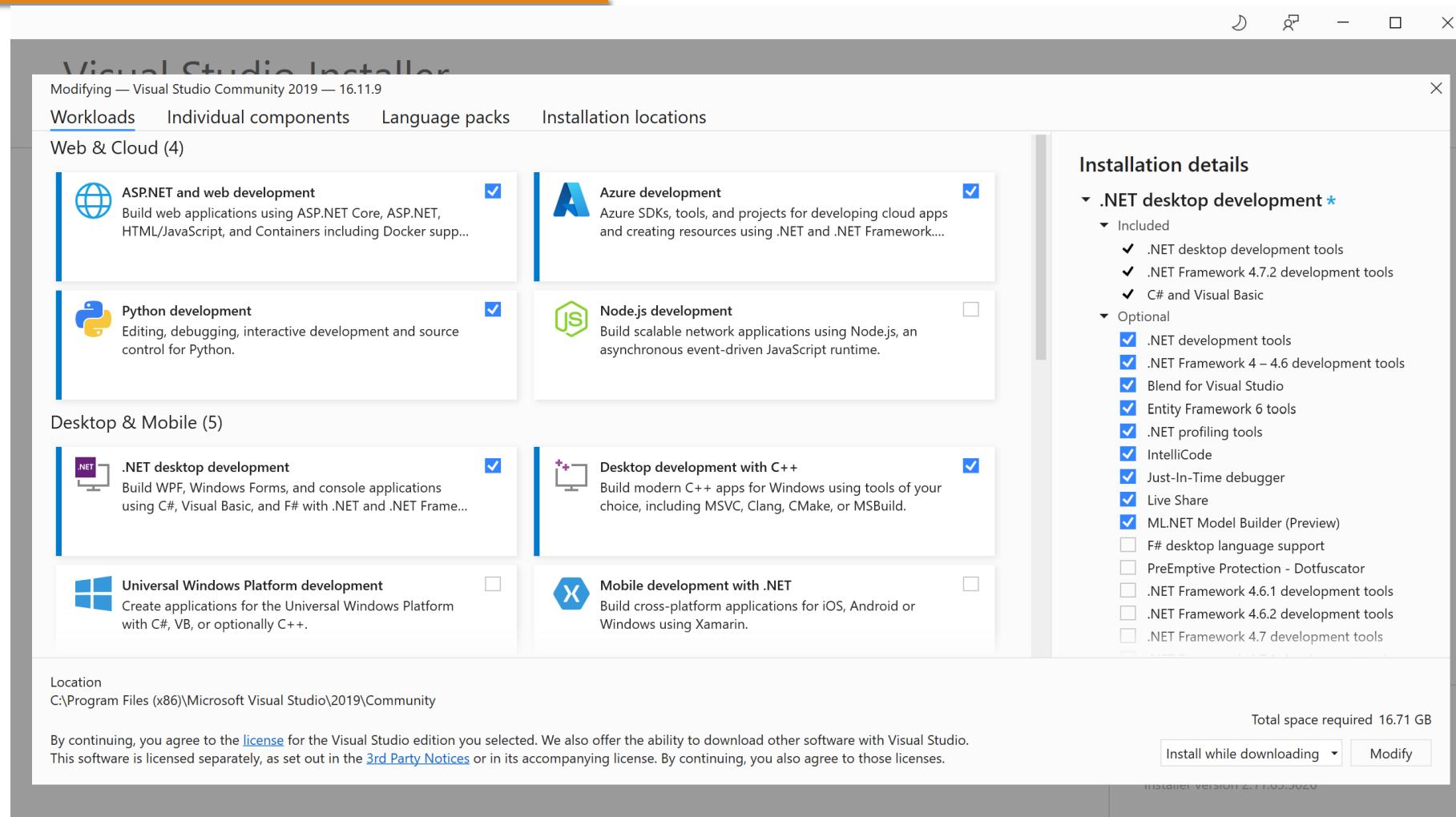
Installing Visual Studio



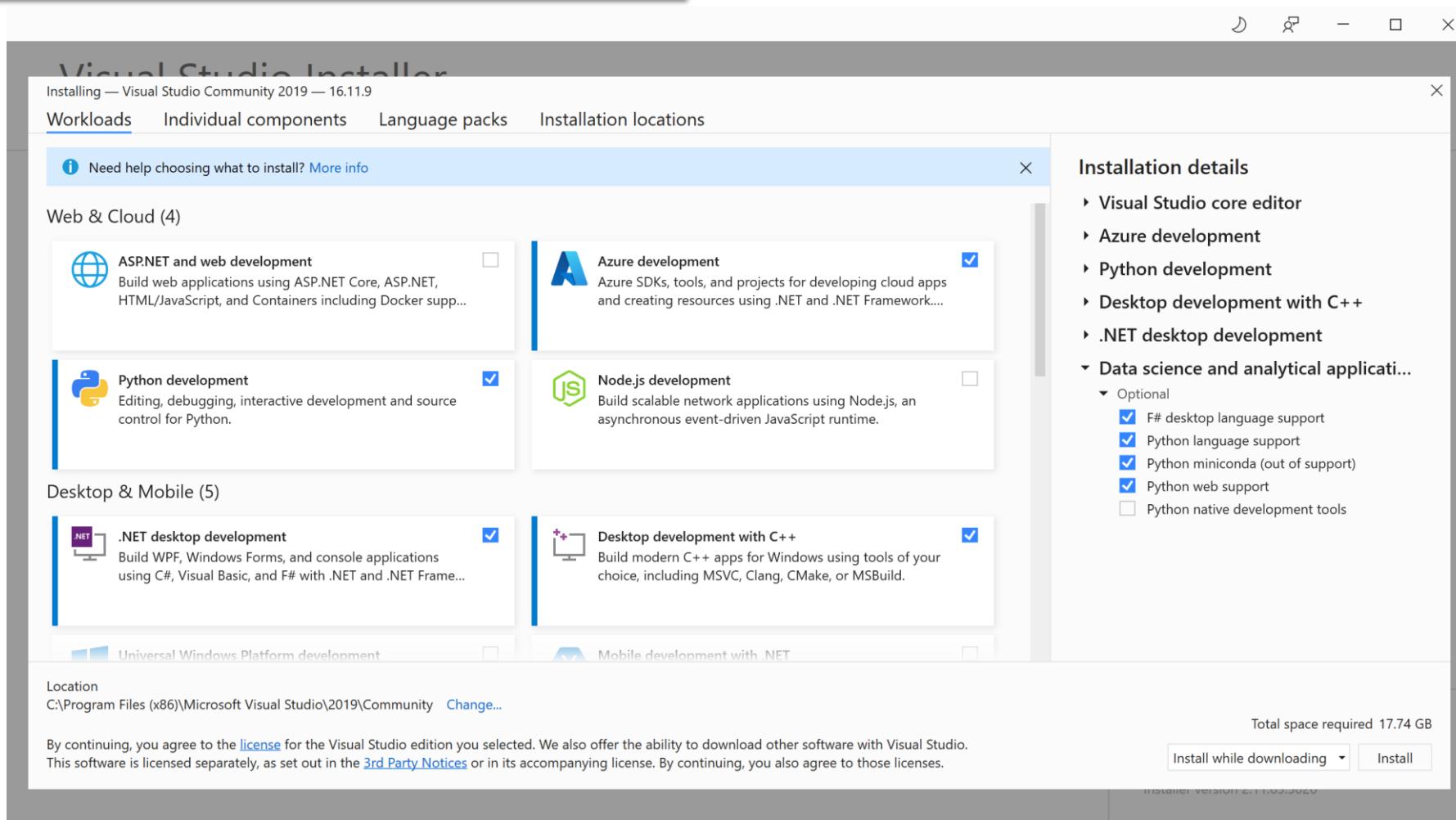
Installing Visual Studio



Installing Visual Studio



Installing Visual Studio



Installing Visual Studio

The screenshot shows the Visual Studio Installer window for modifying the Visual Studio Community 2019 edition. The title bar indicates "Modifying — Visual Studio Community 2019 — 16.11.9". The tabs at the top are "Workloads", "Individual components" (which is selected), "Language packs", and "Installation locations".

In the "Individual components" tab, there is a search bar labeled "Search components (Ctrl+Q)" with a magnifying glass icon. Below it, under the ".NET" section, a list of components is shown with checkboxes:

- .NET 5.0 Runtime
- .NET Core 2.1 Runtime (out of support)
- .NET Core 2.2 Runtime (out of support)
- .NET Core 3.0 Runtime (out of support)
- .NET Core 3.1 Runtime (LTS)
- .NET Framework 3.5 development tools
- .NET Framework 4 targeting pack
- .NET Framework 4.5 targeting pack
- .NET Framework 4.5.1 targeting pack
- .NET Framework 4.5.2 targeting pack
- .NET Framework 4.6 targeting pack
- .NET Framework 4.6.1 SDK
- .NET Framework 4.6.1 targeting pack
- .NET Framework 4.6.2 SDK
- .NET Framework 4.6.2 targeting pack
- .NET Framework 4.7 SDK
- .NET Framework 4.7 targeting pack
- .NET Framework 4.7.1 SDK

On the right side, under "Installation details", there is a list of development areas with checkboxes:

- Visual Studio core editor
- ASP.NET and web development *
- Azure development *
- Python development *
- Desktop development with C++ *
- .NET desktop development *

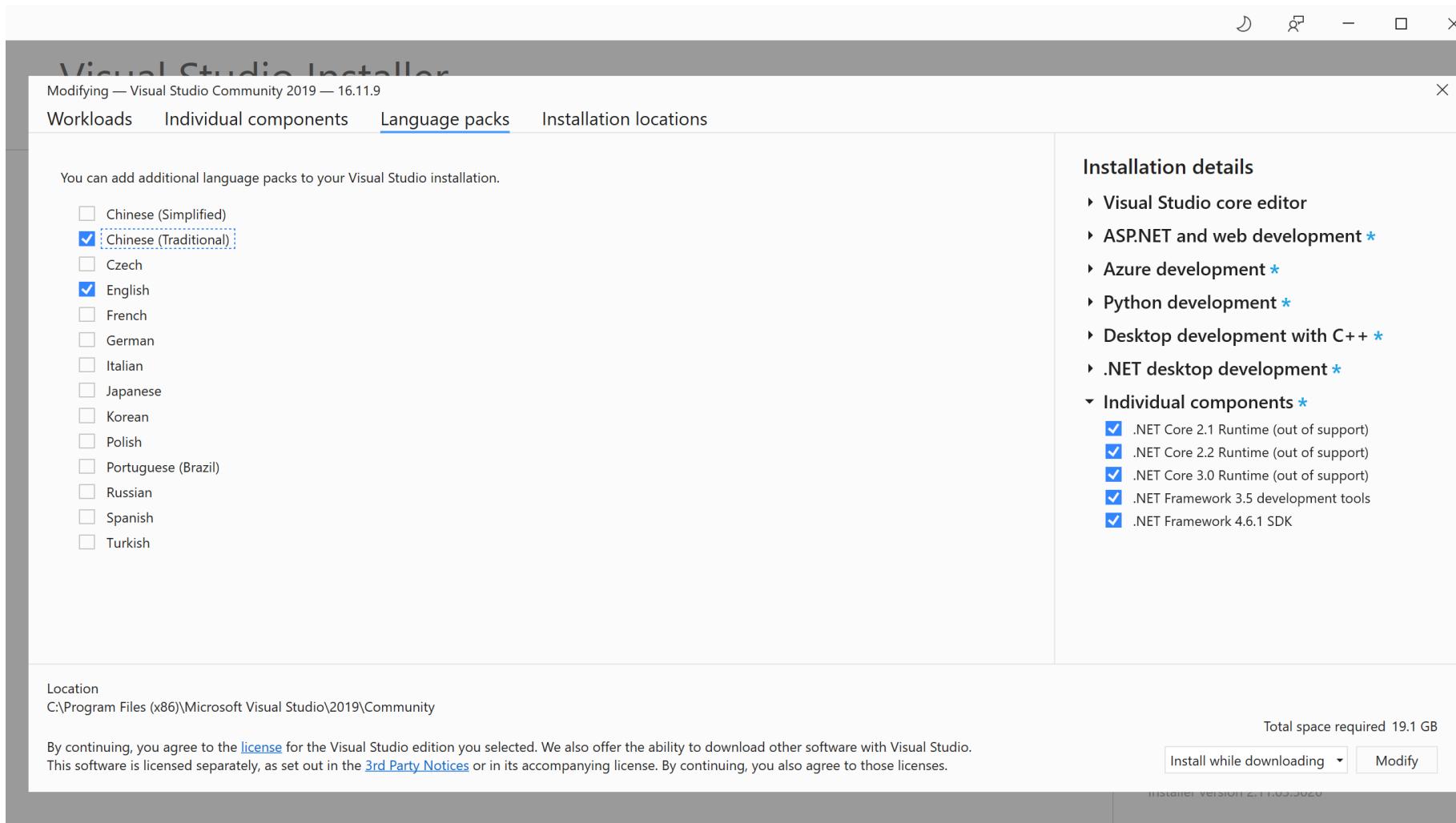
Under "Individual components *", there is a list of components with checkboxes:

- .NET Core 2.1 Runtime (out of support)
- .NET Core 2.2 Runtime (out of support)
- .NET Core 3.0 Runtime (out of support)
- .NET Framework 3.5 development tools
- .NET Framework 4.6.1 SDK

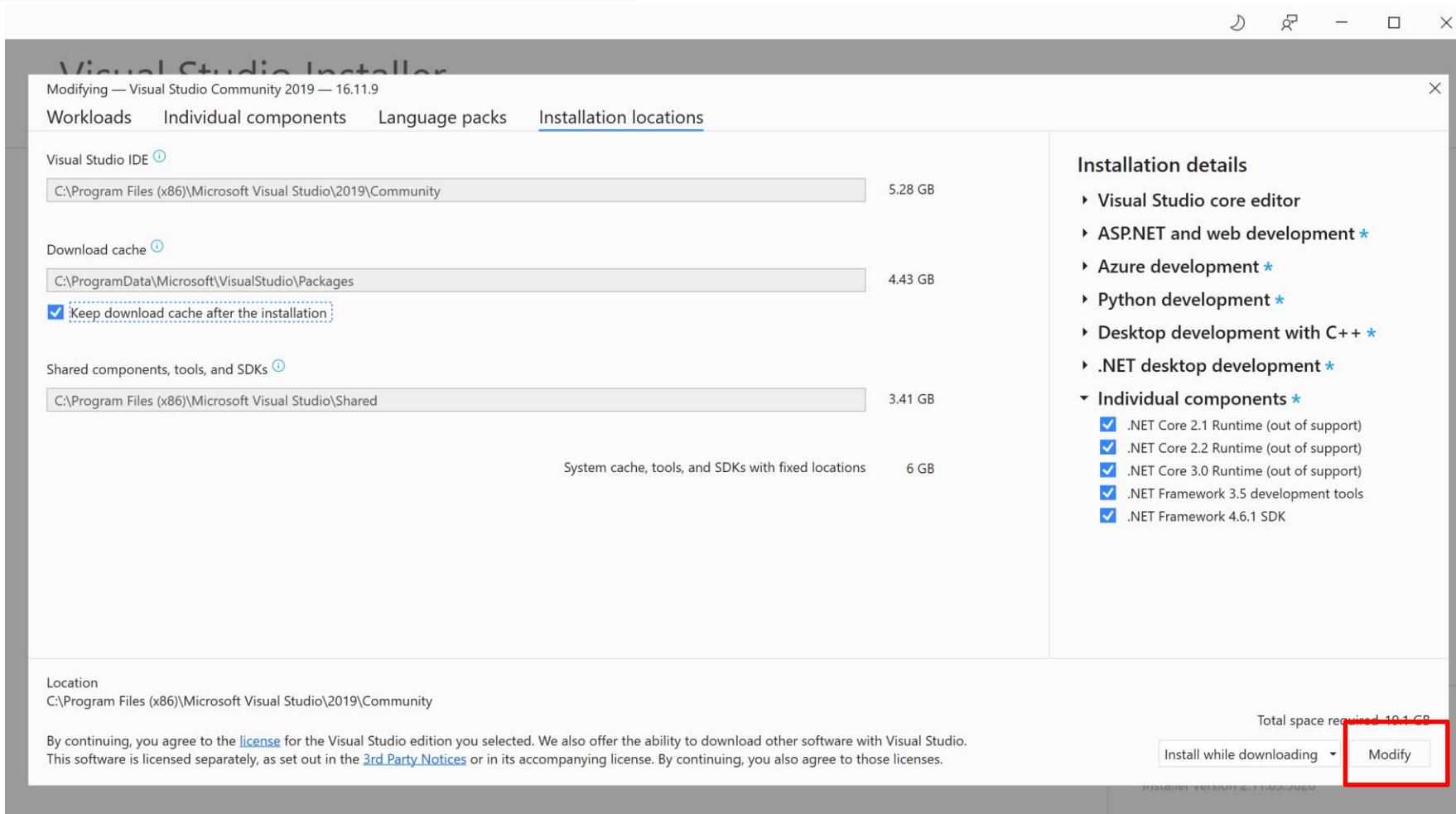
At the bottom left, the "Location" is set to "C:\Program Files (x86)\Microsoft Visual Studio\2019\Community". At the bottom right, it says "Total space required 18.07 GB" and there are buttons for "Install while downloading" and "Modify". The footer of the window reads "Installer VERSION 2.11.03.5020".

By continuing, you agree to the [license](#) for the Visual Studio edition you selected. We also offer the ability to download other software with Visual Studio.
This software is licensed separately, as set out in the [3rd Party Notices](#) or in its accompanying license. By continuing, you also agree to those licenses.

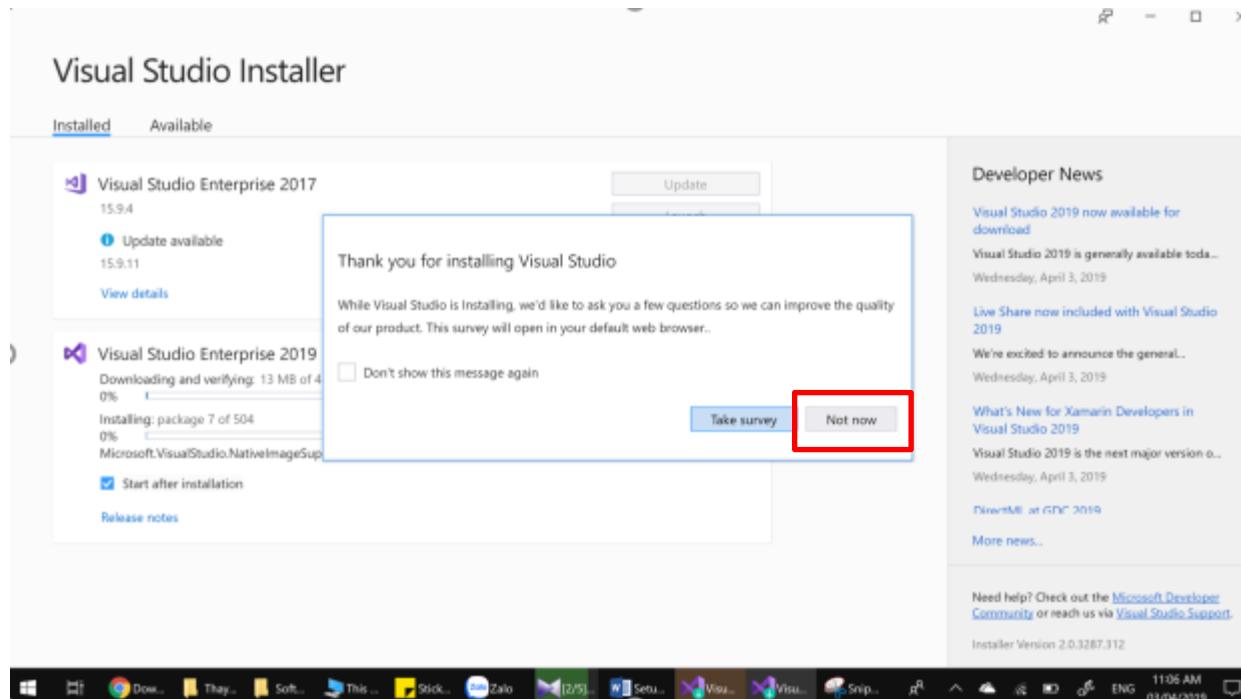
Installing Visual Studio



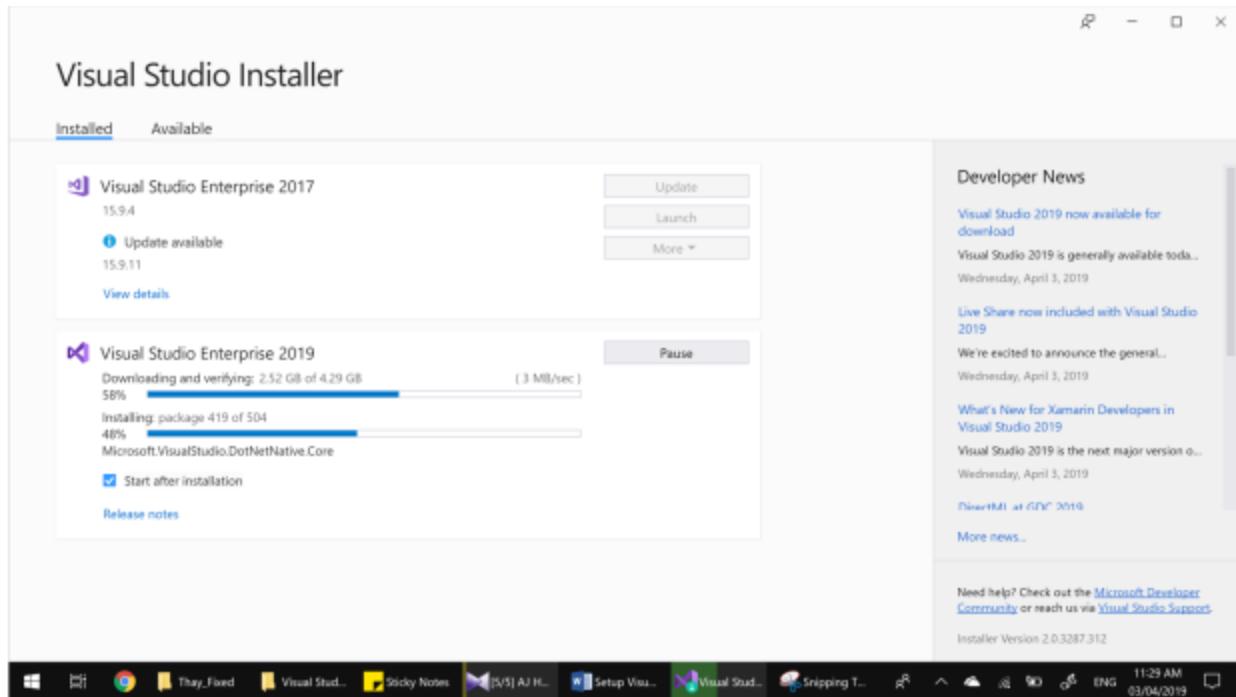
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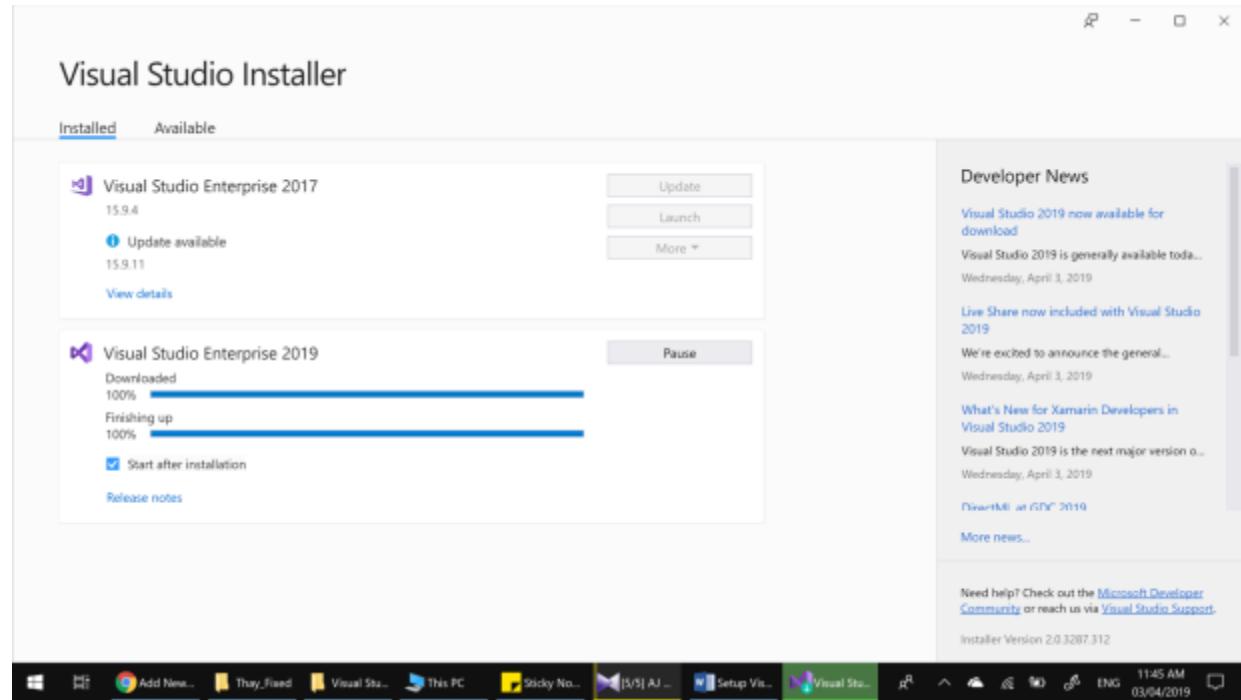
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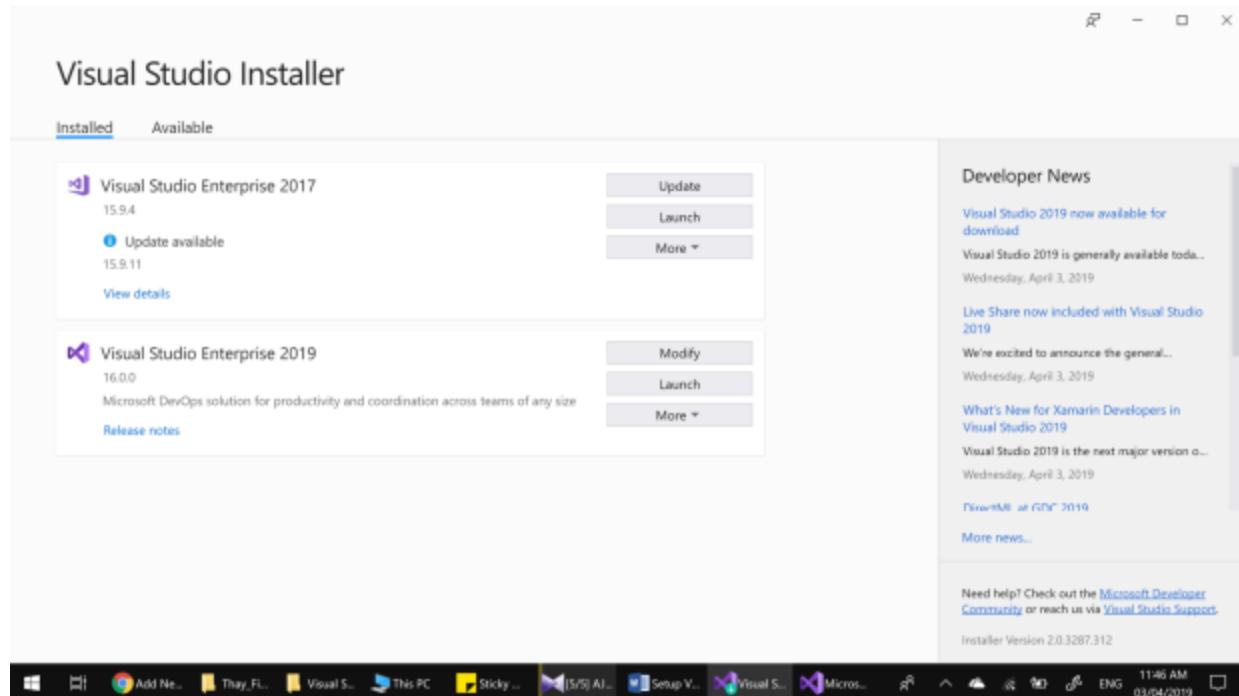
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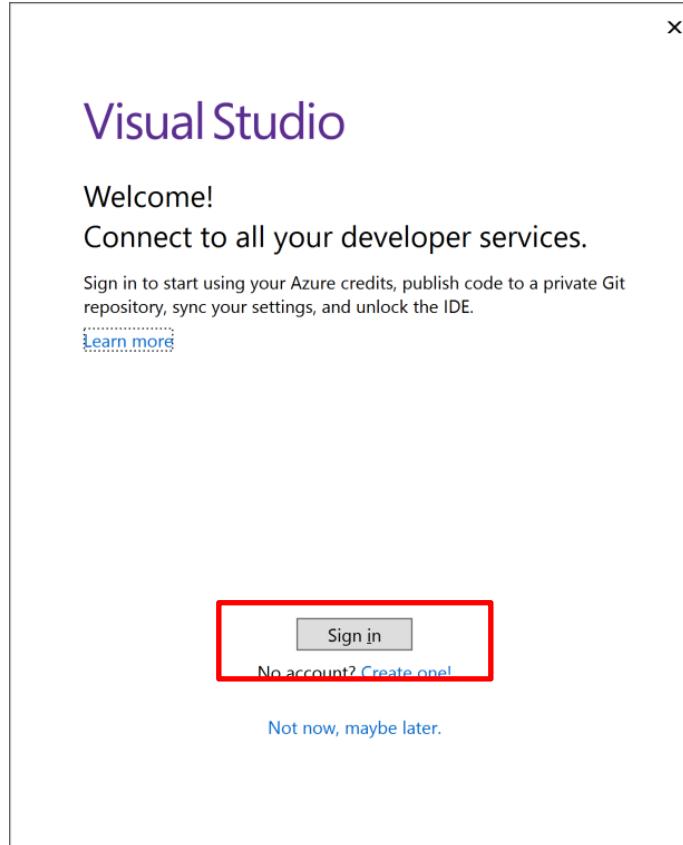
Installing Visual Studio



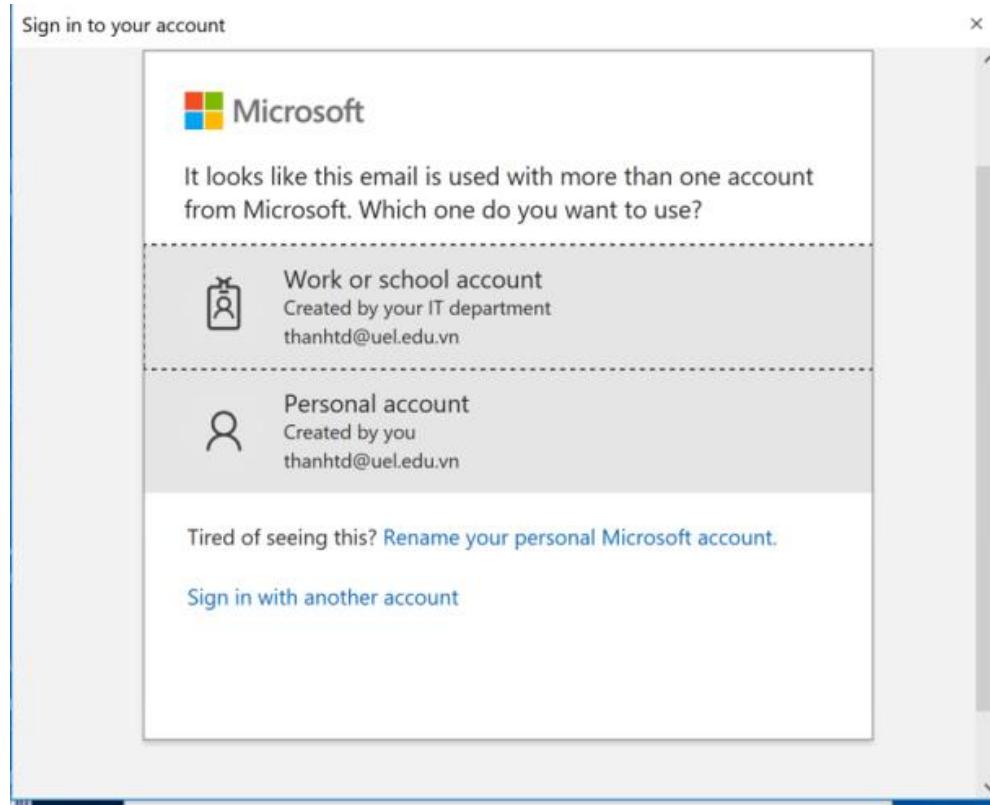
Installing Visual Studio



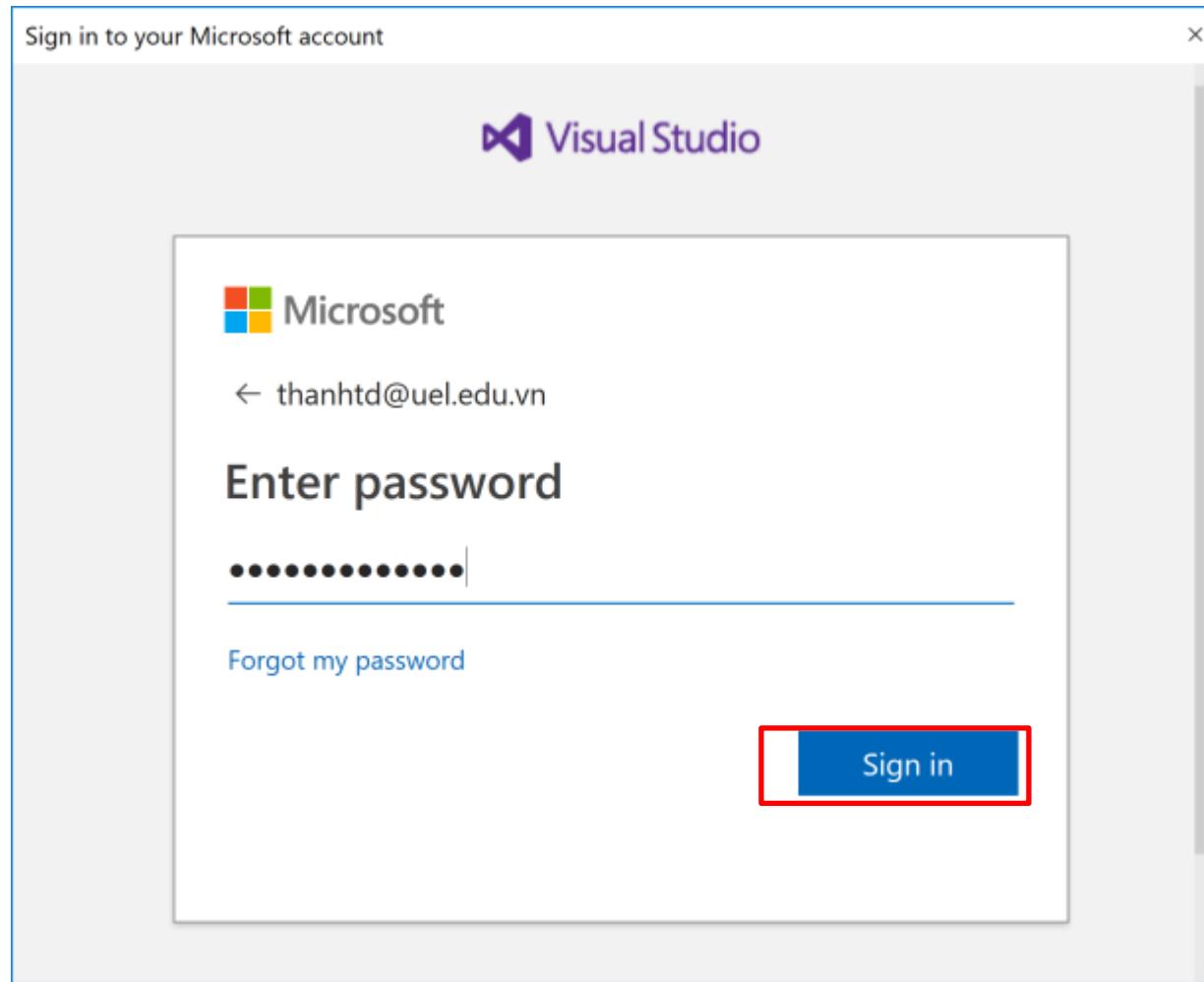
Installing Visual Studio



Installing Visual Studio



Installing Visual Studio



Installing Visual Studio



Installing Visual Studio

Visual Studio 2019

Open recent

As you use Visual Studio, any projects, folders, or files that you open will show up here for quick access.

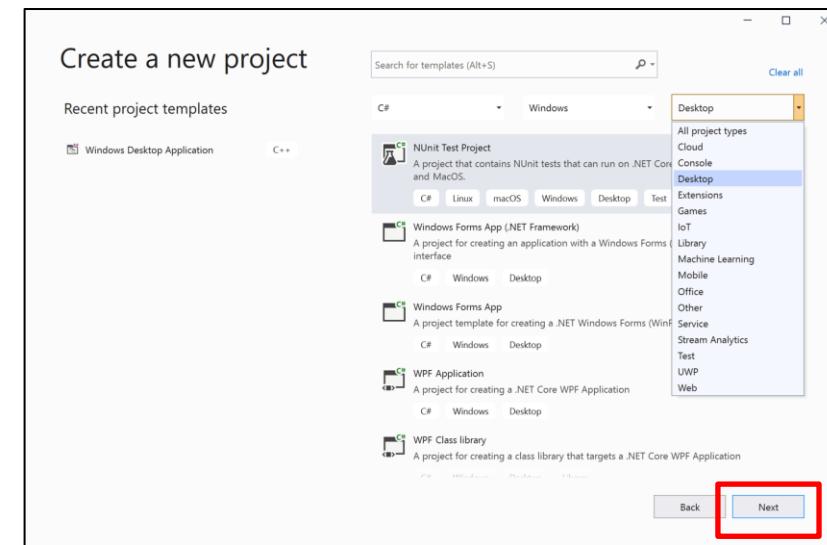
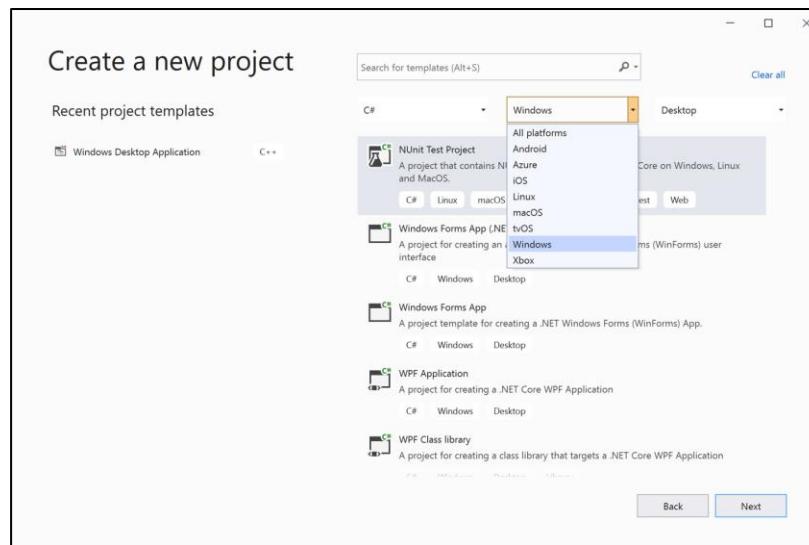
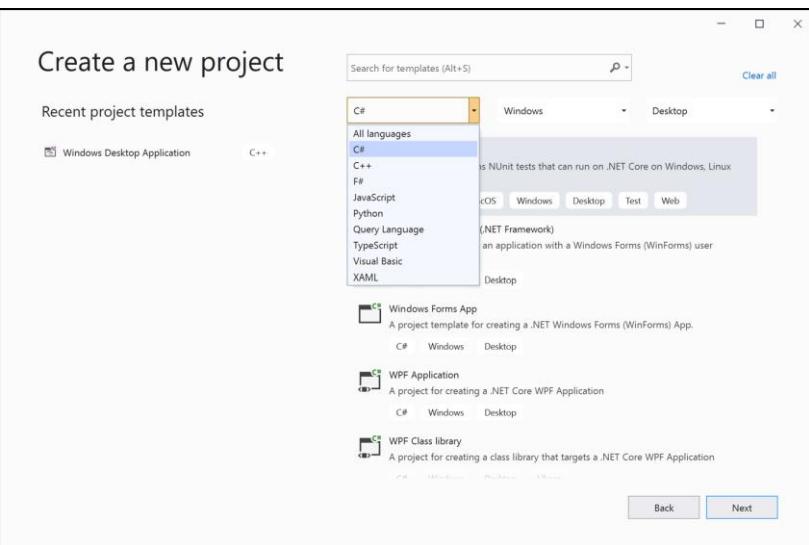
You can pin anything that you open frequently so that it's always at the top of the list.

Get started

-  Clone a repository
Get code from an online repository like GitHub or Azure DevOps
-  Open a project or solution
Open a local Visual Studio project or .sln file
-  Open a local folder
Navigate and edit code within any folder
-  Create a new project
Choose a project template with code scaffolding to get started

[Continue without code →](#)

Installing Visual Studio



Installing Visual Studio

— □ ×

Create a new project

Recent project templates

Windows Desktop Application C++

C# Windows Desktop

Search for templates (Alt+S) Clear all

C# Windows Desktop

NUnit Test Project
A project that contains NUnit tests that can run on .NET Core on Windows, Linux and MacOS.
C# Linux macOS Windows Desktop Test Web

Windows Forms App (.NET Framework)
A project for creating an application with a Windows Forms (WinForms) user interface
C# Windows Desktop

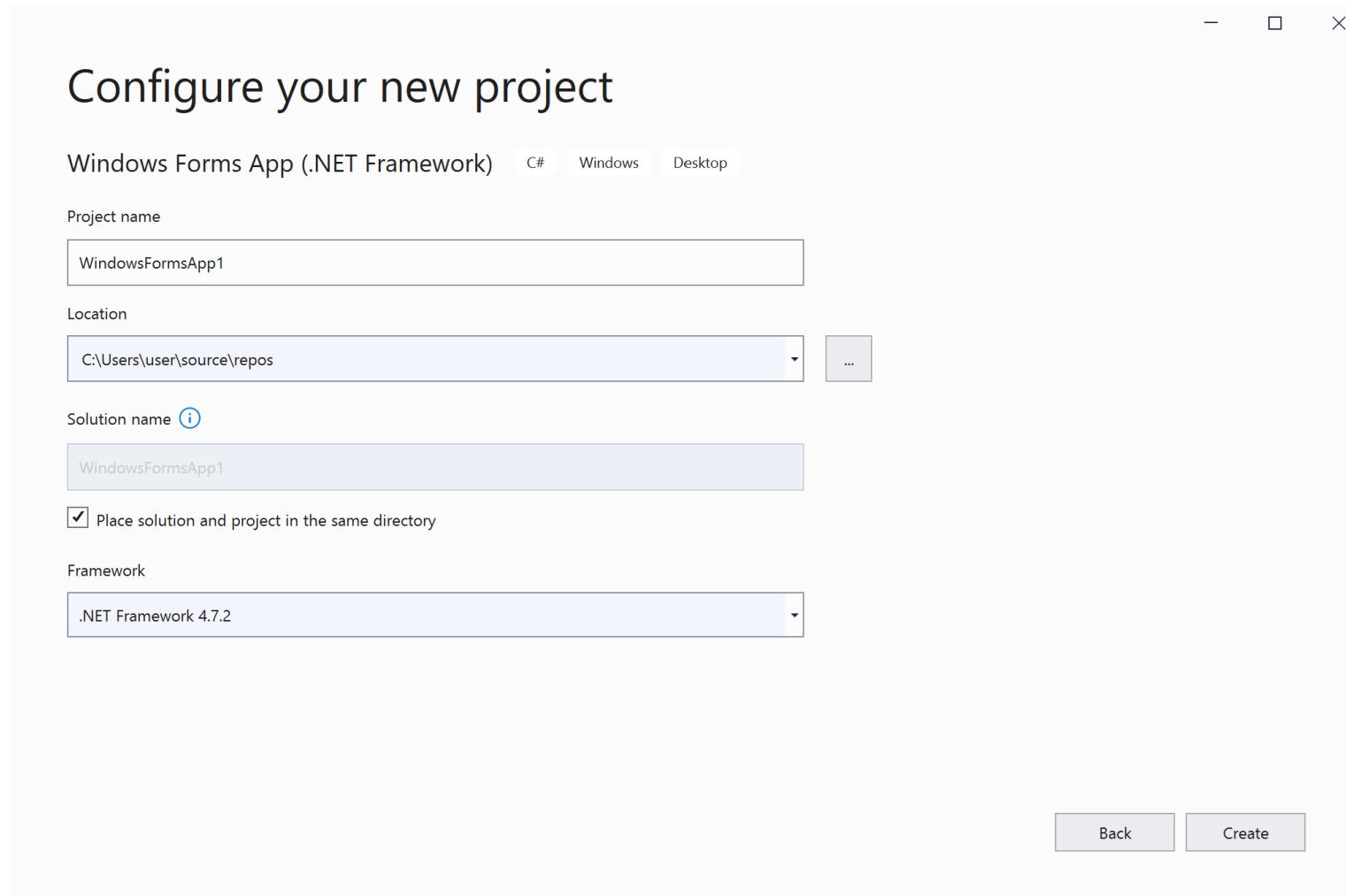
Windows Forms App
A project template for creating a .NET Windows Forms (WinForms) App.
C# Windows Desktop

WPF Application
A project for creating a .NET Core WPF Application
C# Windows Desktop

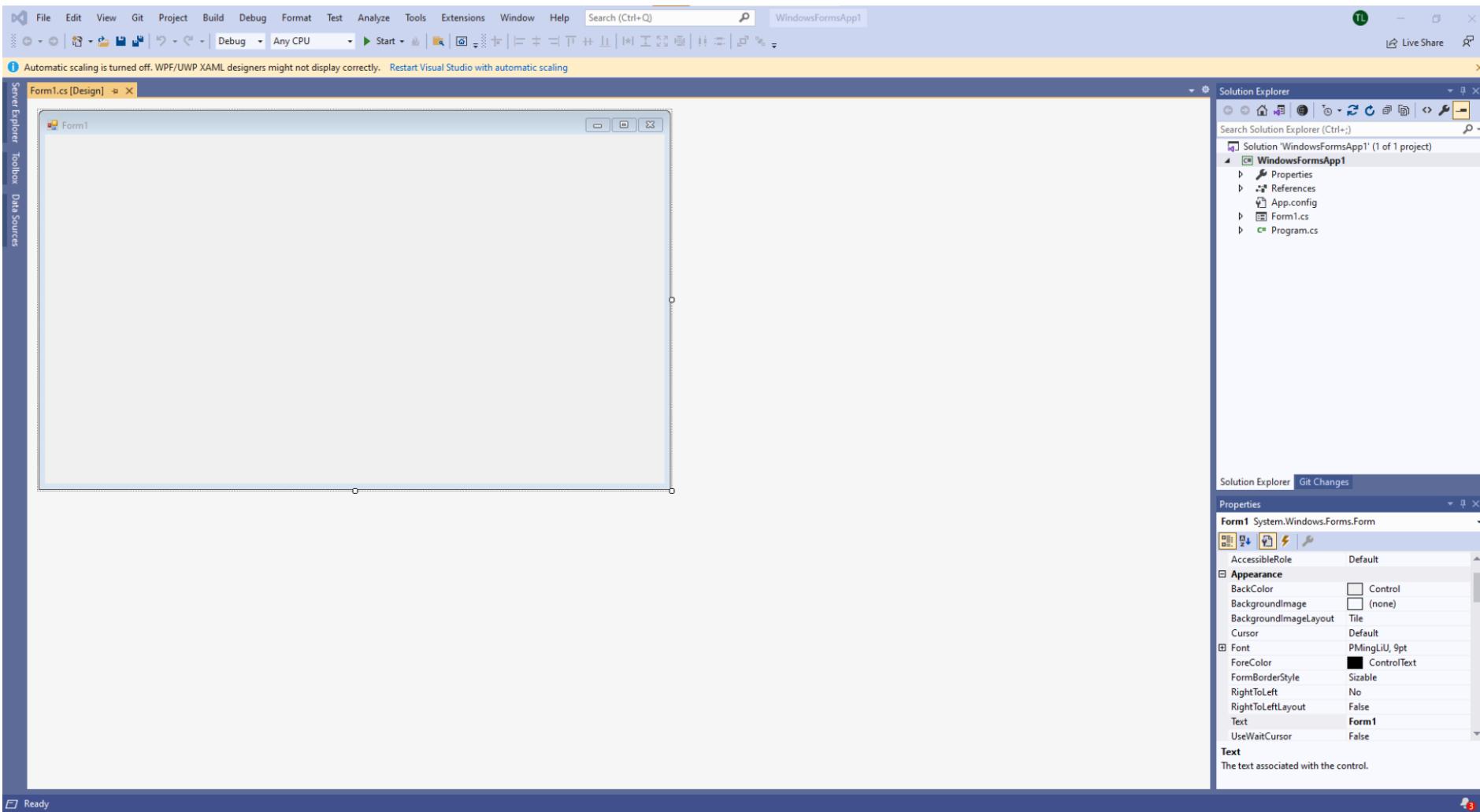
WPF Class library
A project for creating a class library that targets a .NET Core WPF Application
C# Windows Desktop

Back Next

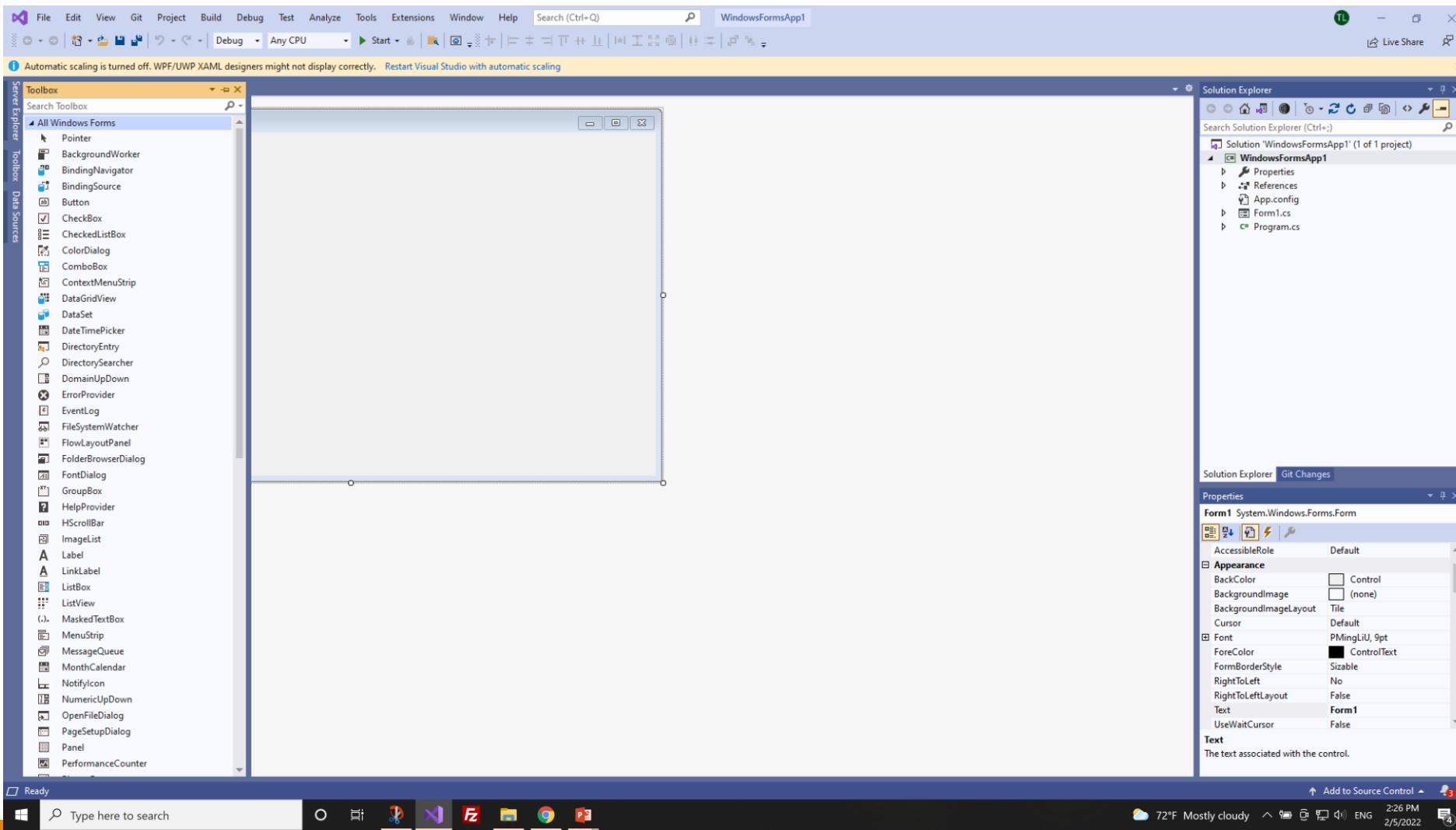
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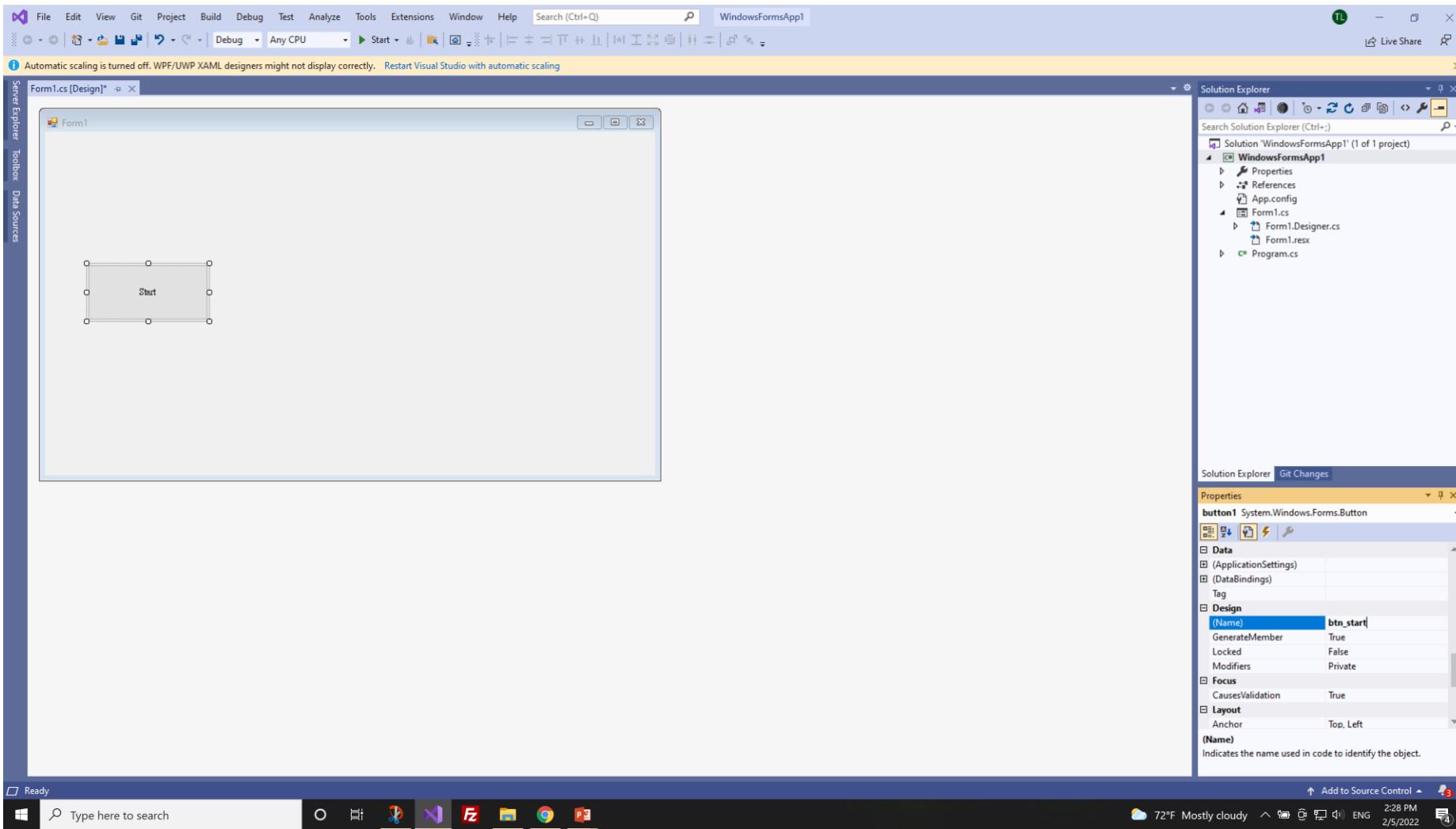
Installing Visual Studio



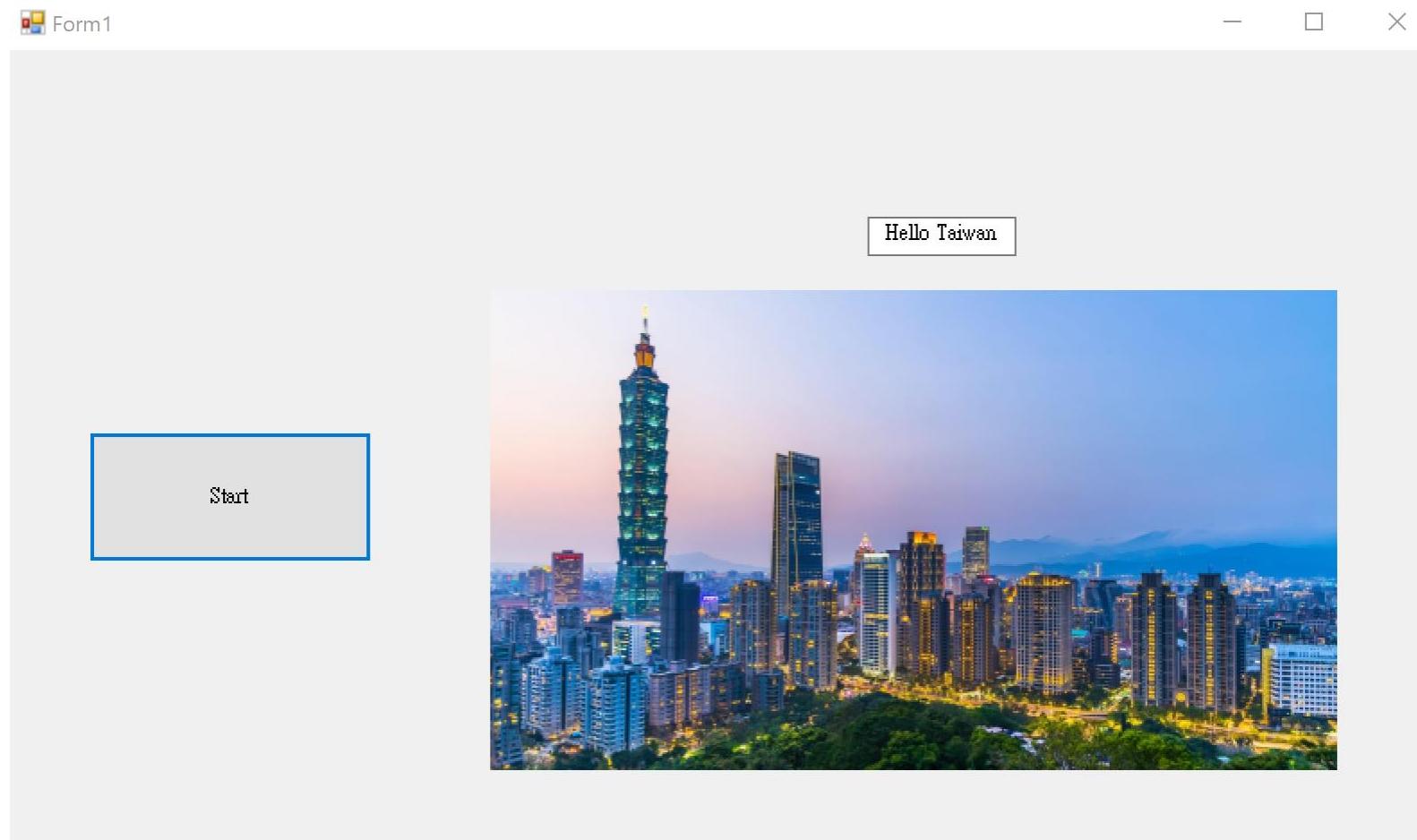
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Installing Visual Studio



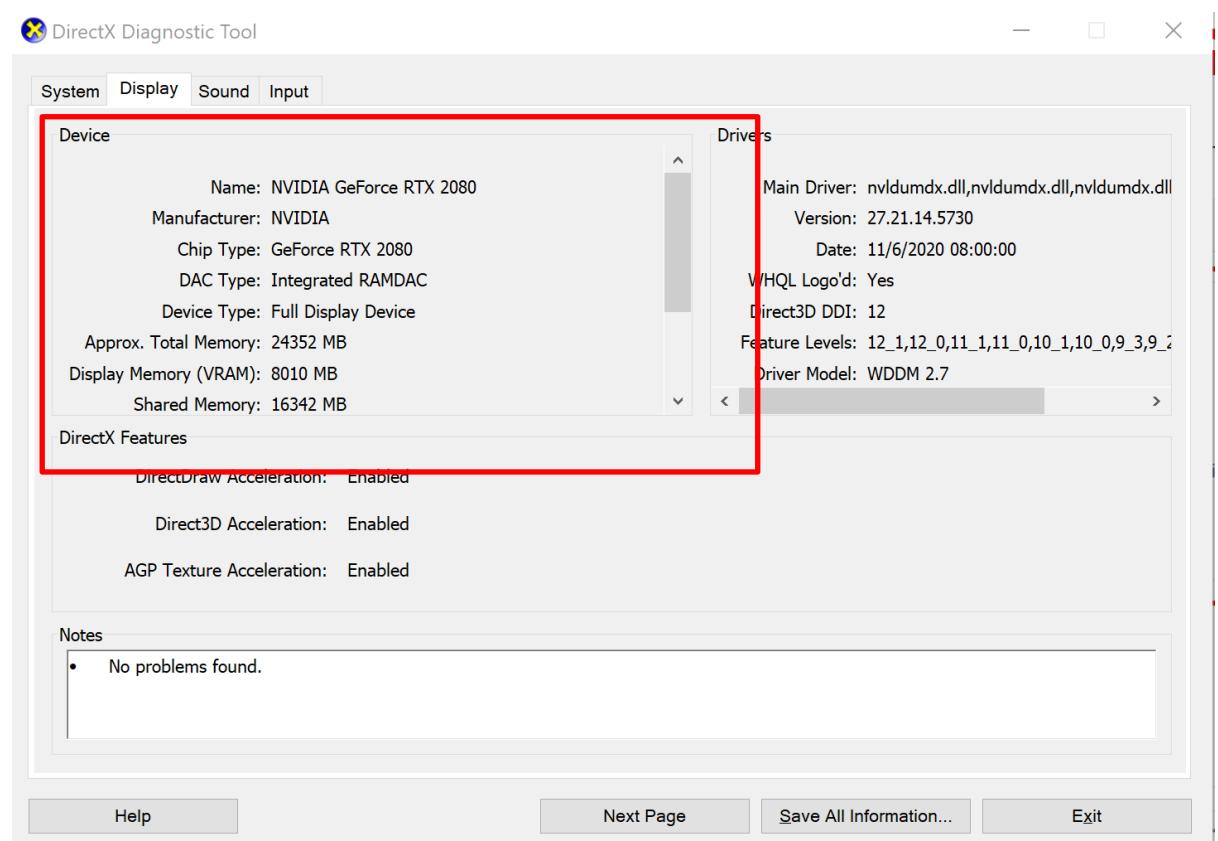
Installing Visual Studio



Installing Tensorflow with CUDA, cuDNN and GPU support on Windows 10

- Find Out What GPU You Have in Windows

```
Command Prompt
C:\>dxdiag
```



Installing Tensorflow with CUDA, cuDNN and GPU support on Windows 10

Check CUDA Toolkit version corresponding your GPU
cmd→ nvidia-smi

The screenshot shows a Command Prompt window with the following text:

```
C:\>dxdiag
C:\>nvidia-smi
Wed Sep 29 15:09:42 2021
+-----+
| NVIDIA-SMI 462.59    Driver Version: 462.59    CUDA Version: 11.2 |
| GPU  Name        TCC/WDDM | Bus-Id      Disp.A  | Volatile Uncorr. ECC |
| Fan  Temp  Perf  Pwr:Usage/Cap| Memory-Usage | GPU-Util  Compute M. |
|      N/A   41C   P8    N/A / N/A | 00000000:02:00.0 Off | 0%          Default |
|                               68MiB / 2048MiB |                N/A |          N/A |
+-----+
| Processes:          GPU Memory |
| GPU  GI  CI PID  Type  Process name     Usage  |
| ID  ID
+-----+
| No running processes found
+-----+
C:\>
```

Annotations with red boxes and arrows point to specific parts of the output:

- command**: Points to the first command entered in the prompt, "dxdiag".
- Card name**: Points to the "Name" column under the GPU section, which shows "GeForce MX350".
- Install driver version**: Points to the "Driver Version" entry, which is "462.59".
- Max supported version**: Points to the "CUDA Version" entry, which is "11.2".
- Memory usage**: Points to the current memory usage of "68MiB".
- Total memory**: Points to the total memory of "2048MiB".

Installing Tensorflow with CUDA, cuDNN and GPU support on Windows 10

- Download and install CUDA Toolkit 11.2

- <https://developer.nvidia.com/cuda-toolkit-archive>

The screenshot shows the NVIDIA Developer website's CUDA Toolkit Archive page. At the top, there are links for DOWNLOADS, TRAINING, ECOSYSTEM, and FORUMS. Below this, a large banner says "CUDA Toolkit Archive". Underneath, there's a "Latest Release" section for CUDA Toolkit 11.4.2 (September 2021), with a link to "Versioned Online Documentation". Below this is an "Archived Releases" section listing previous versions from CUDA Toolkit 11.4.1 down to CUDA Toolkit 10.0.

This screenshot shows the "Select Target Platform" interface. It has sections for Operating System (Linux and Windows, with Windows selected), Architecture (x86_64 selected), Version (10, Server 2019, and Server 2016, with Server 2019 selected), and Installer Type (exe (local) and exe (network), with exe (local) selected). A note at the top says: "Click on the green buttons that describe your target platform. Only supported platforms will be shown. By downloading and using the software, you agree to fully comply with the terms and conditions of the CUDA EULA."

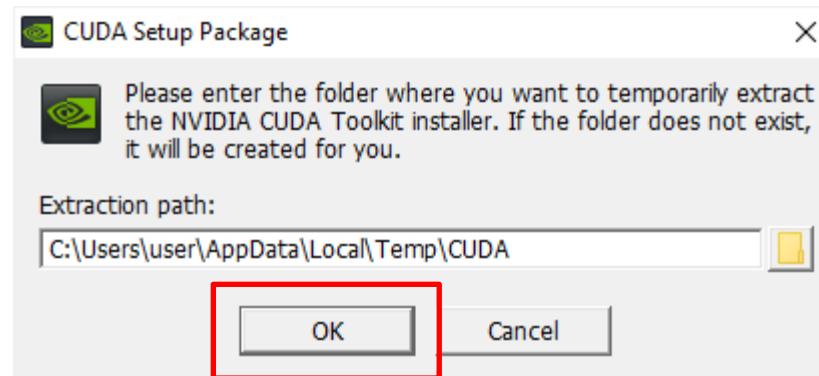
This screenshot shows the "Download Installer for Windows 10 x86_64" section. It says "The base installer is available for download below." There's a "Base Installer" button with a "Download (2.9 GB)" link. Below it, "Installation Instructions" list two steps: "1. Double click cuda_11.2.0_460.89_win10.exe" and "2. Follow on-screen prompts". At the bottom, it says "The checksums for the installer and patches can be found in [Installer Checksums](#). For further information, see the [Installation Guide for Microsoft Windows](#) and the [CUDA Quick Start Guide](#).

Resources

- [CUDA Documentation/Release Notes](#)
- [MacOS Tools](#)
- [Training](#)
- [Sample Code](#)
- [Forums](#)
- [Archive of Previous CUDA Releases](#)
- [FAQ](#)
- [Open Source Packages](#)
- [Submit a Bug](#)

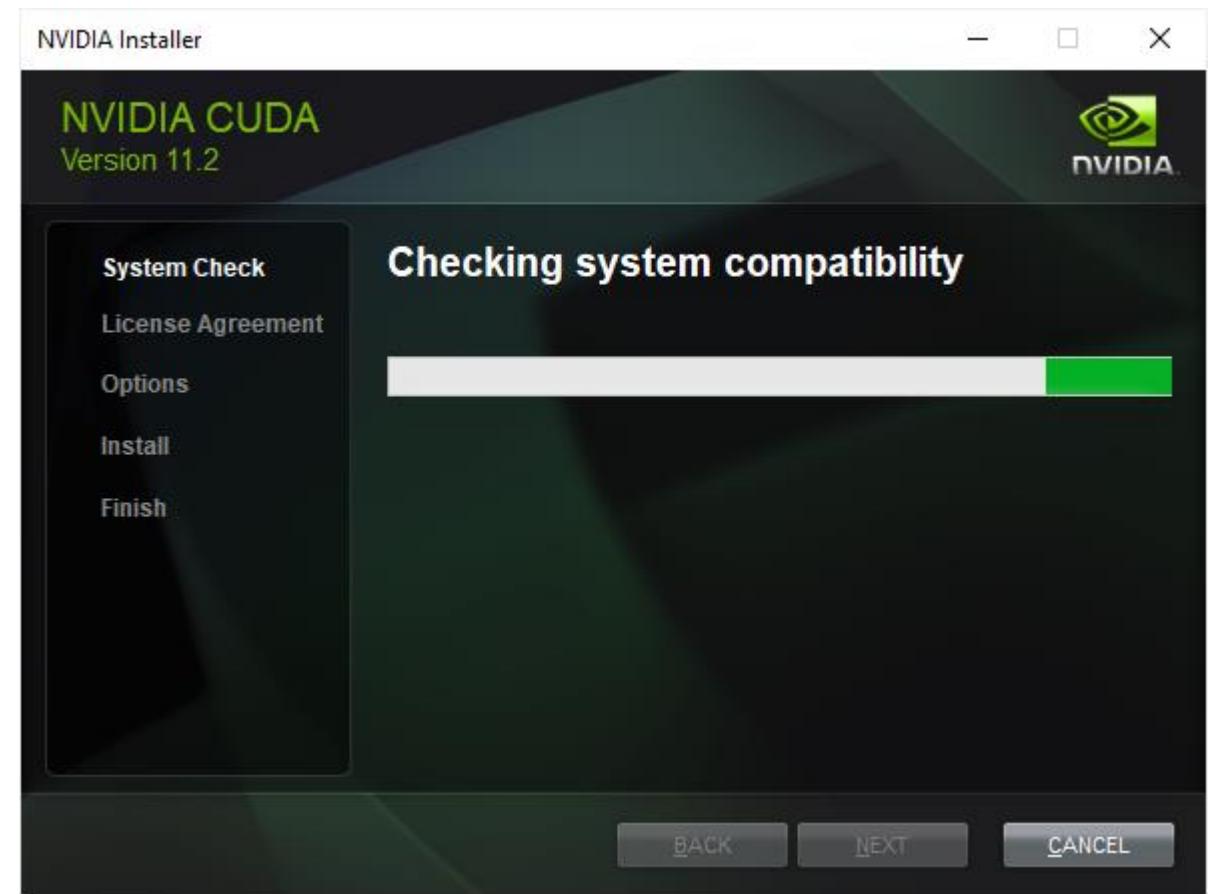
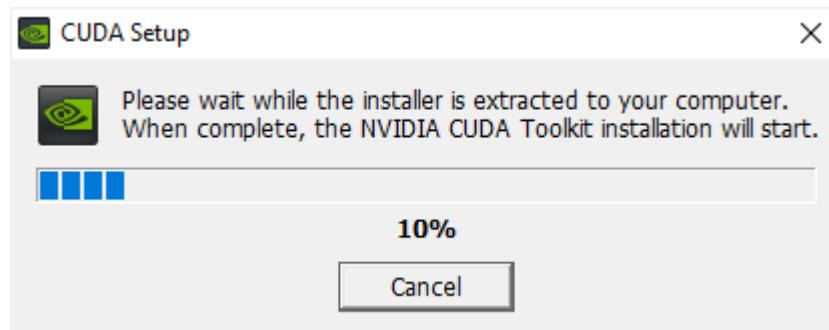
Installing Tensorflow with CUDA, cuDNN and GPU support on Windows 10

- Download and install CUDA Toolkit 11.2



Installing Tensorflow with CUDA, cuDNN and GPU support on Windows 10

- Download and install CUDA Toolkit 11.2



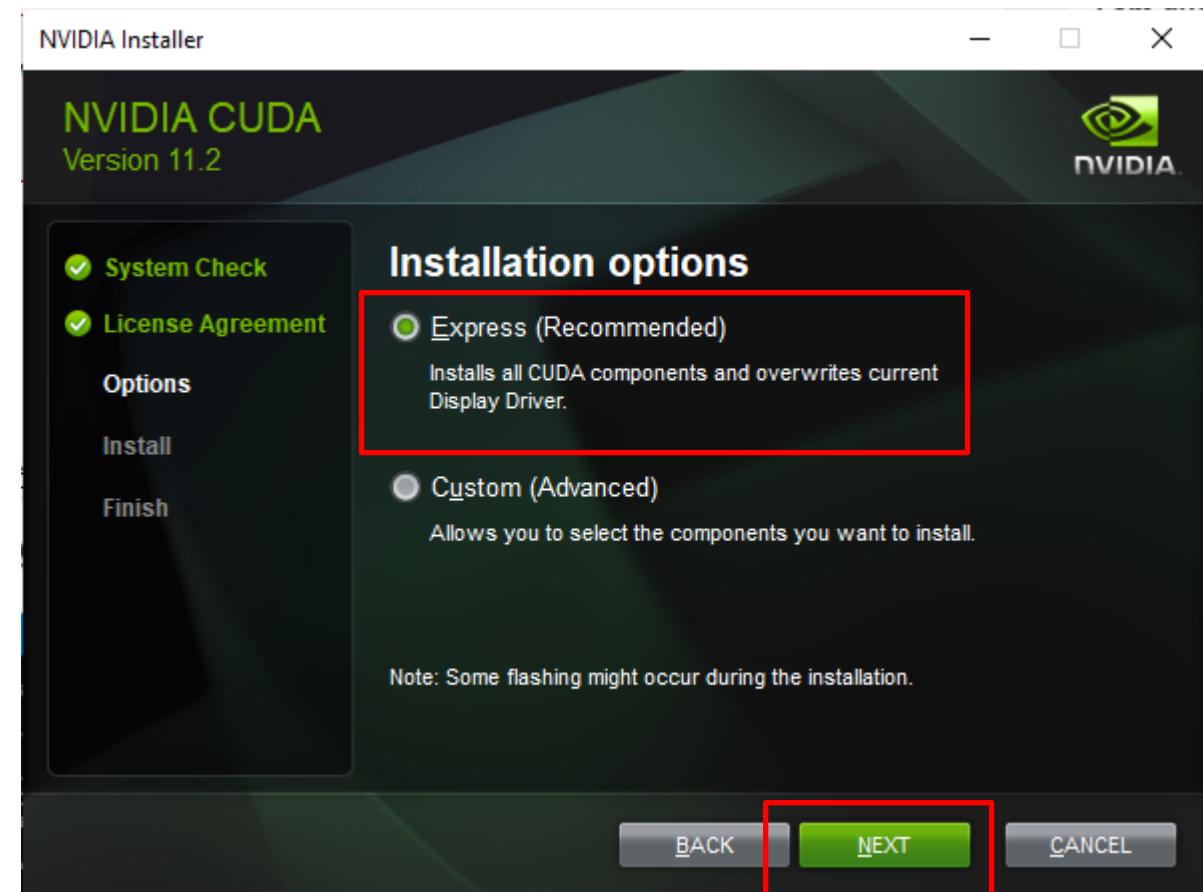
Installing Tensorflow with CUDA, cuDNN and GPU support on Windows 10

- Download and install CUDA Toolkit 11.2



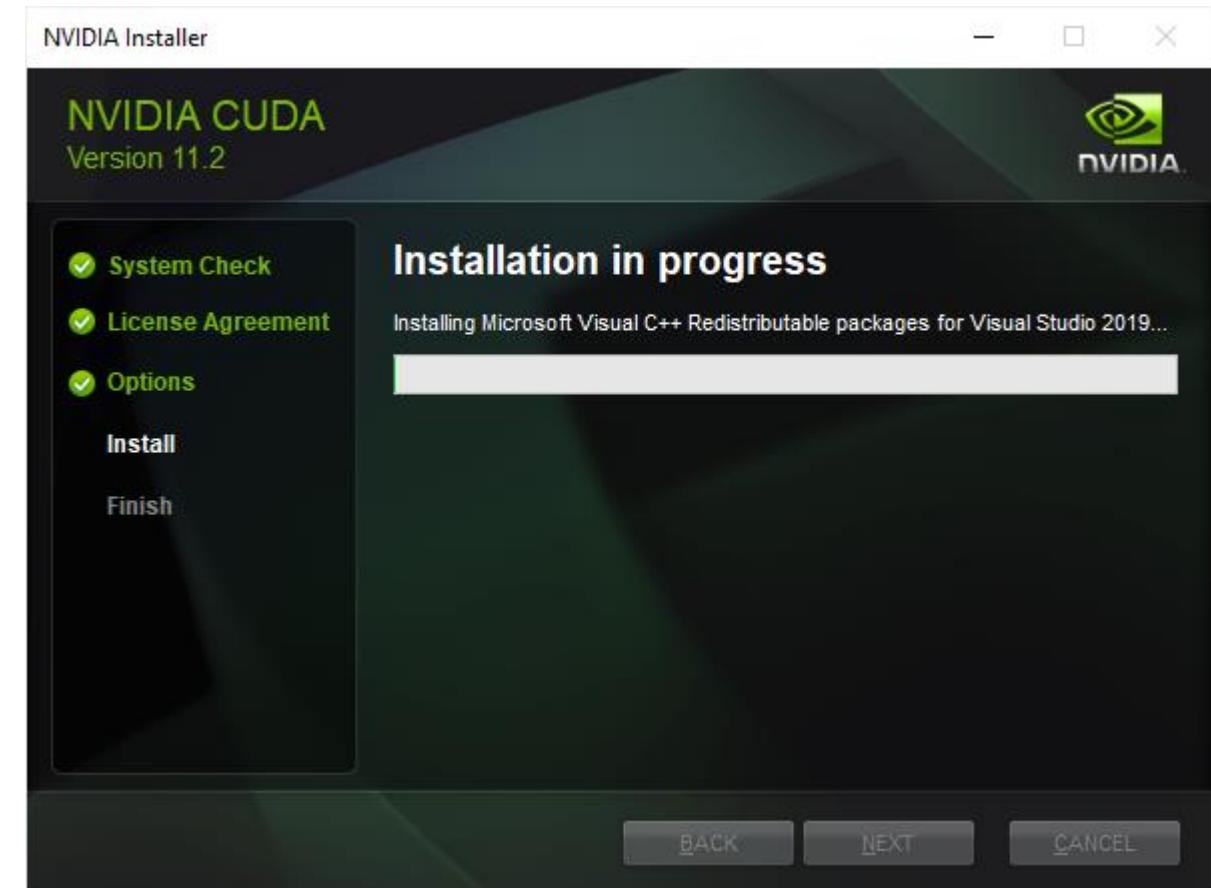
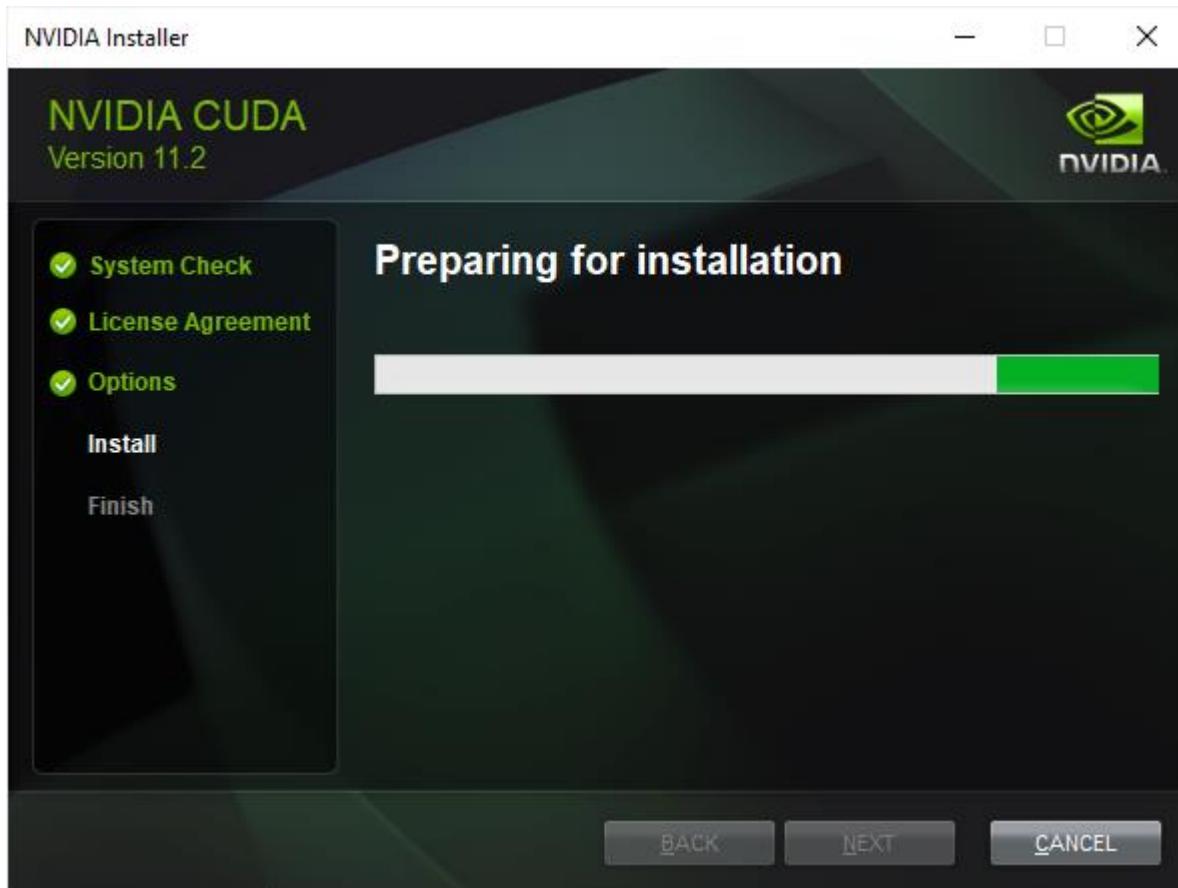
Installing Tensorflow with CUDA, cuDNN and GPU support on Windows 10

- Download and install CUDA Toolkit 11.2



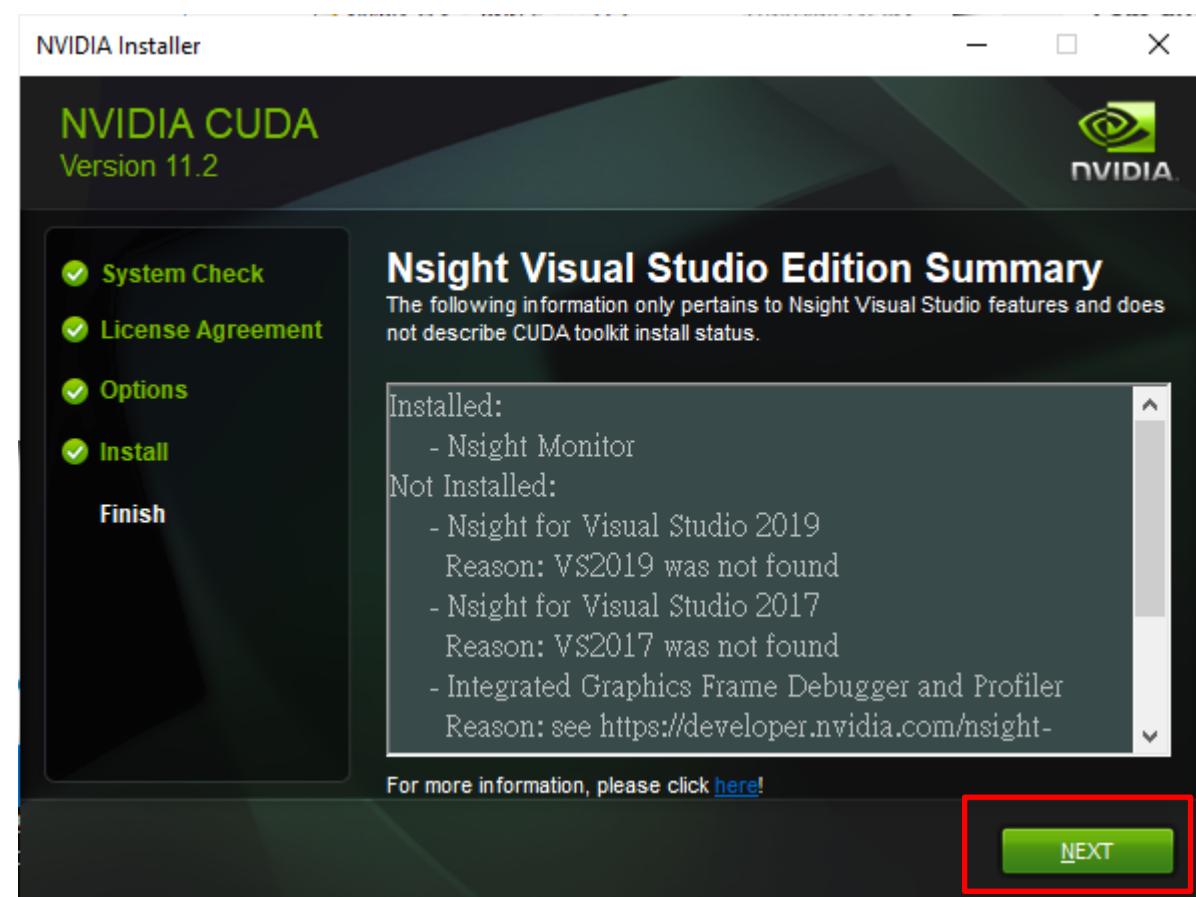
Installing Tensorflow with CUDA, cuDNN and GPU support on Windows 10

- Download and install CUDA Toolkit 11.2



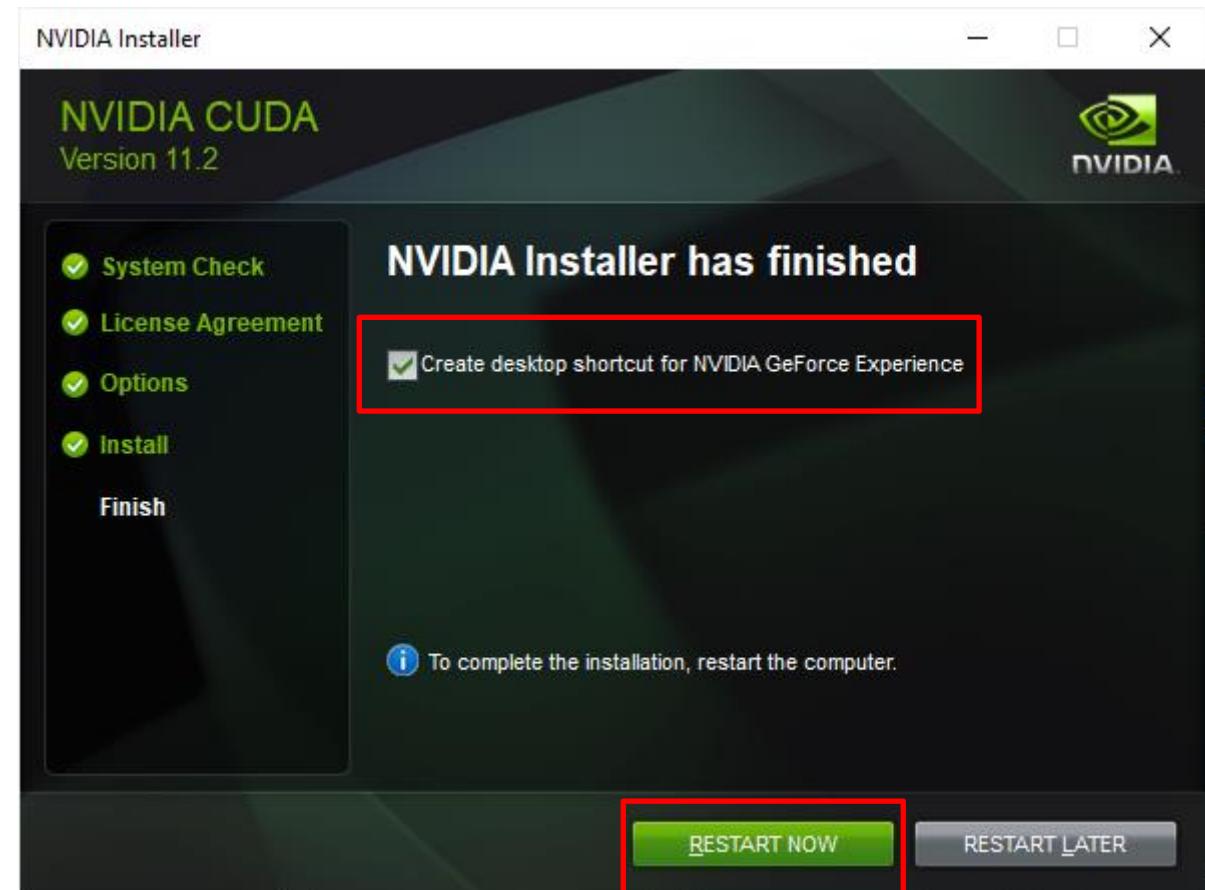
Installing Tensorflow with CUDA, cuDNN and GPU support on Windows 10

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Installing Tensorflow with CUDA, cuDNN and GPU support on Windows 10

- Download and install CUDA Toolkit 11.2



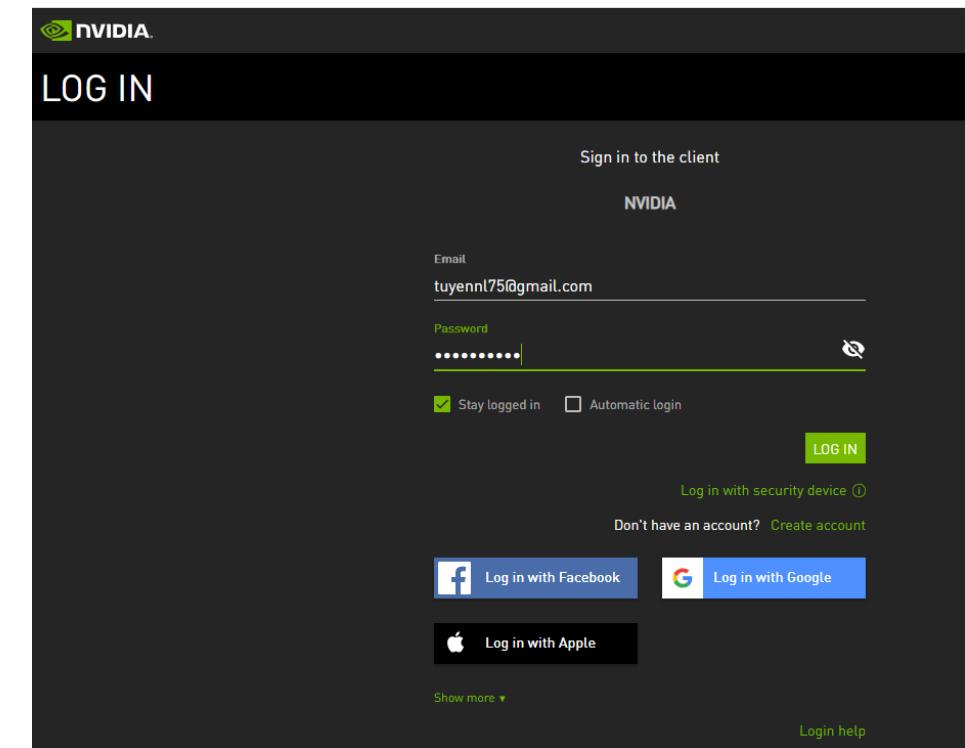
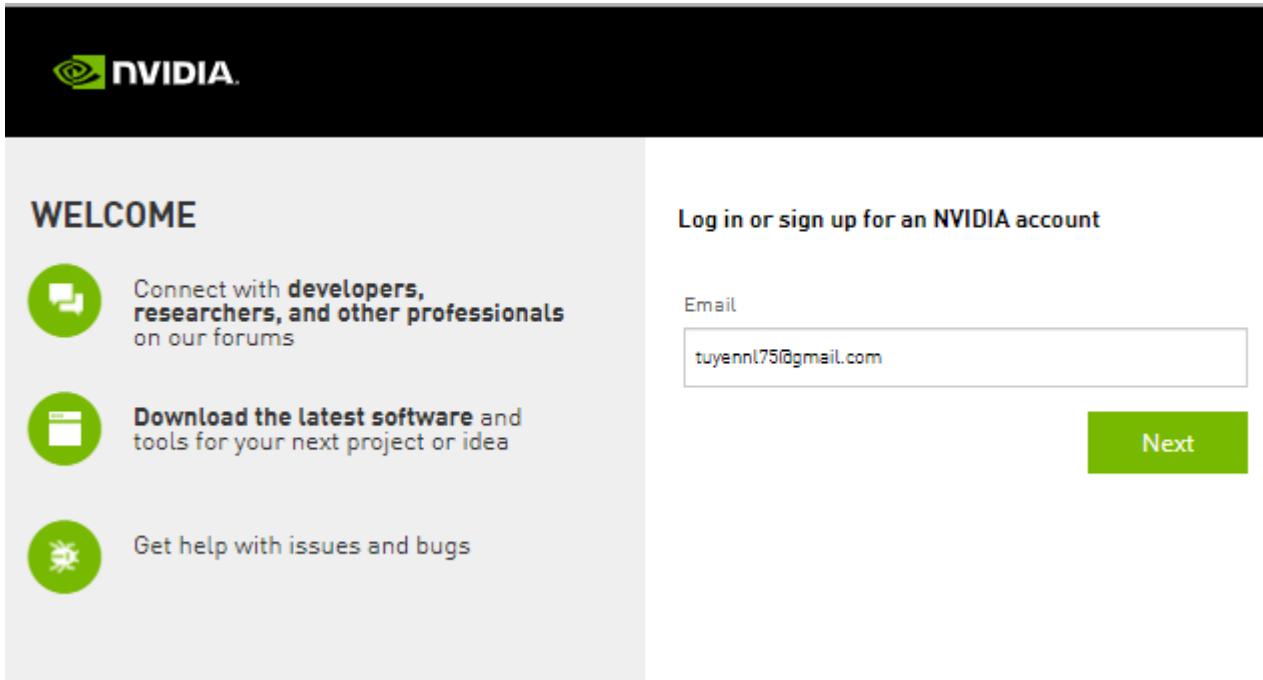
Installing Tensorflow with CUDA, cuDNN and GPU support on Windows 10

- Download and install cuDNN for CUDA 11.1 <https://developer.nvidia.com/rdp/cudnn-archive>

The screenshot shows the NVIDIA Developer Program website. At the top, there is a navigation bar with links for HOME, BLOG, FORUMS, DOCS, DOWNLOADS, TRAINING, and a search bar. Below the navigation bar, there are dropdown menus for SOLUTIONS, PLATFORMS, INDUSTRIES, and RESOURCES. The main content area features a large green header with the text "NVIDIA Developer Program Membership Required". Below this, a message states: "The file or page you have requested requires membership in the NVIDIA Developer Program. Please either log in or join the program to access this material. [Learn more](#) about the benefits of the NVIDIA Developer Program." Two buttons are present: a red-bordered "Login" button and a "Join now" button. At the bottom of the page, there is a footer with links for HIGH PERFORMANCE COMPUTING, GAMEWORKS, JETPACK, and DRIVE, along with language selection buttons for English and 中文 (Chinese). The footer also includes copyright information: "Copyright © 2021 NVIDIA Corporation | Legal Information | Privacy Policy | Contact | Cookie policy".

Installing Tensorflow with CUDA, cuDNN and GPU support on Windows 10

- Download and install cuDNN **for CUDA 11.2**



Installing Tensorflow with CUDA, cuDNN and GPU support on Windows 10

- Download and install cuDNN **for CUDA 11.2**

Almost done!

Please confirm the information below to complete registration

Recommendation Settings

Yes, recommend content that I might enjoy based on how I engage with NVIDIA's websites, software, and events.

Be the first to learn about new SDKs, developer tools and training

Send me the latest enterprise news, announcements, and more from NVIDIA. I can unsubscribe at any time.

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SUBMIT

Installing Tensorflow with CUDA, cuDNN and GPU support on Windows 10

- Download and install cuDNN for CUDA 11.2

The screenshot shows the NVIDIA Developer website with a dark header bar containing the NVIDIA logo, "NVIDIA DEVELOPER", and navigation links for HOME, BLOG, FORUMS, DOCS, DOWNLOADS, and TRAINING. To the right of the header are search, join, and user account icons. Below the header, the page title "cuDNN Archive" is displayed. A sub-header states: "NVIDIA cuDNN is a GPU-accelerated library of primitives for deep neural networks." A list of download links for various cuDNN versions is shown, with the link for "Download cuDNN v8.1.1 (February 26th, 2021), for CUDA 11.0,11.1 and 11.2" highlighted in blue.

Download Link	Version	Compatibility
Download cuDNN v8.2.2 (July 6th, 2021), for CUDA 11.4	v8.2.2	CUDA 11.4
Download cuDNN v8.2.2 (July 6th, 2021), for CUDA 10.2	v8.2.2	CUDA 10.2
Download cuDNN v8.2.1 (June 7th, 2021), for CUDA 11.x	v8.2.1	CUDA 11.x
Download cuDNN v8.2.1 (June 7th, 2021), for CUDA 10.2	v8.2.1	CUDA 10.2
Download cuDNN v8.2.0 (April 23rd, 2021), for CUDA 11.x	v8.2.0	CUDA 11.x
Download cuDNN v8.2.0 (April 23rd, 2021), for CUDA 10.2	v8.2.0	CUDA 10.2
Download cuDNN v8.1.1 (February 26th, 2021), for CUDA 11.0,11.1 and 11.2	v8.1.1	CUDA 11.0, 11.1, and 11.2
Download cuDNN v8.1.1 (February 26th, 2021), for CUDA 10.2	v8.1.1	CUDA 10.2
Download cuDNN v8.1.0 (January 26th, 2021), for CUDA 11.0,11.1 and 11.2	v8.1.0	CUDA 11.0, 11.1, and 11.2
Download cuDNN v8.1.0 (January 26th, 2021), for CUDA 10.2	v8.1.0	CUDA 10.2
Download cuDNN v8.0.5 (November 9th, 2020), for CUDA 11.1	v8.0.5	CUDA 11.1
Download cuDNN v8.0.5 (November 9th, 2020), for CUDA 11.0	v8.0.5	CUDA 11.0
Download cuDNN v8.0.5 (November 9th, 2020), for CUDA 10.2	v8.0.5	CUDA 10.2
Download cuDNN v8.0.5 (November 9th, 2020), for CUDA 10.1	v8.0.5	CUDA 10.1
Download cuDNN v8.0.4 (September 28th, 2020), for CUDA 11.1	v8.0.4	CUDA 11.1
Download cuDNN v8.0.4 (September 28th, 2020), for CUDA 11.0	v8.0.4	CUDA 11.0
Download cuDNN v8.0.4 (September 28th, 2020), for CUDA 10.2	v8.0.4	CUDA 10.2

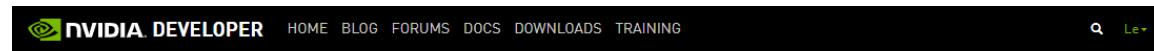
[Download cuDNN v8.1.1 \(February 26th, 2021\), for CUDA 11.0,11.1 and 11.2](#)

Library for Windows and Linux, Ubuntu(x86_64, armsbsa, PPC architecture)

[cuDNN Library for Linux \(aarch64bsba\)](#)
[cuDNN Library for Linux \(x86_64\)](#)
[cuDNN Library for Linux \(PPC\)](#)
[cuDNN Library for Windows \(x86\)](#)
[cuDNN Runtime Library for Ubuntu20.04 x86_64 \[Deb\]](#)
[cuDNN Developer Library for Ubuntu20.04 x86_64 \[Deb\]](#)
[cuDNN Code Samples and User Guide for Ubuntu20.04 x86_64 \[Deb\]](#)
[cuDNN Runtime Library for Ubuntu20.04 aarch64bsba \[Deb\]](#)
[cuDNN Developer Library for Ubuntu20.04 aarch64bsba \[Deb\]](#)
[cuDNN Code Samples and User Guide for Ubuntu20.04 aarch64bsba \[Deb\]](#)
[cuDNN Cross-compile Library for Ubuntu20.04 aarch64bsba \[Deb\]](#)
[cuDNN Developer Cross-compile Library for Ubuntu20.04 aarch64bsba \[Deb\]](#)
[cuDNN Runtime Library for Ubuntu18.04 x86_64 \[Deb\]](#)
[cuDNN Developer Library for Ubuntu18.04 x86_64 \[Deb\]](#)
[cuDNN Code Samples and User Guide for Ubuntu18.04 x86_64 \[Deb\]](#)
[cuDNN Runtime Library for Ubuntu16.04 x86_64 \[Deb\]](#)
[cuDNN Developer Library for Ubuntu16.04 x86_64 \[Deb\]](#)

Installing Tensorflow with CUDA, cuDNN and GPU support on Windows 10

- Download and install cuDNN for CUDA 11.2



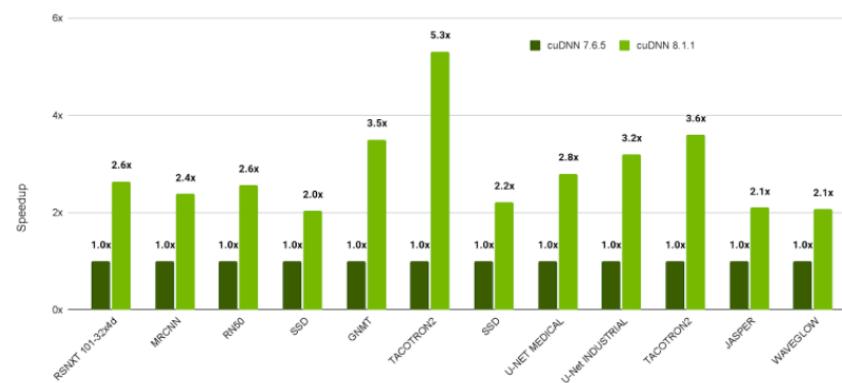
NVIDIA cuDNN

The NVIDIA CUDA® Deep Neural Network library (cuDNN) is a GPU-accelerated library of primitives for deep neural networks. cuDNN provides highly tuned implementations for standard routines such as forward and backward convolution, pooling, normalization, and activation layers.

Deep learning researchers and framework developers worldwide rely on cuDNN for high-performance GPU acceleration. It allows them to focus on training neural networks and developing software applications rather than spending time on low-level GPU performance tuning. cuDNN accelerates widely used deep learning frameworks, including Caffe2, Chainer, Keras, MATLAB, MxNet, PaddlePaddle, PyTorch, and TensorFlow. For access to NVIDIA optimized deep learning framework containers that have cuDNN integrated into frameworks, visit NVIDIA GPU CLOUD to learn more and get started.

[Download cuDNN >](#) [GTC2020 >](#) [Developer Guide >](#) [Forums >](#)

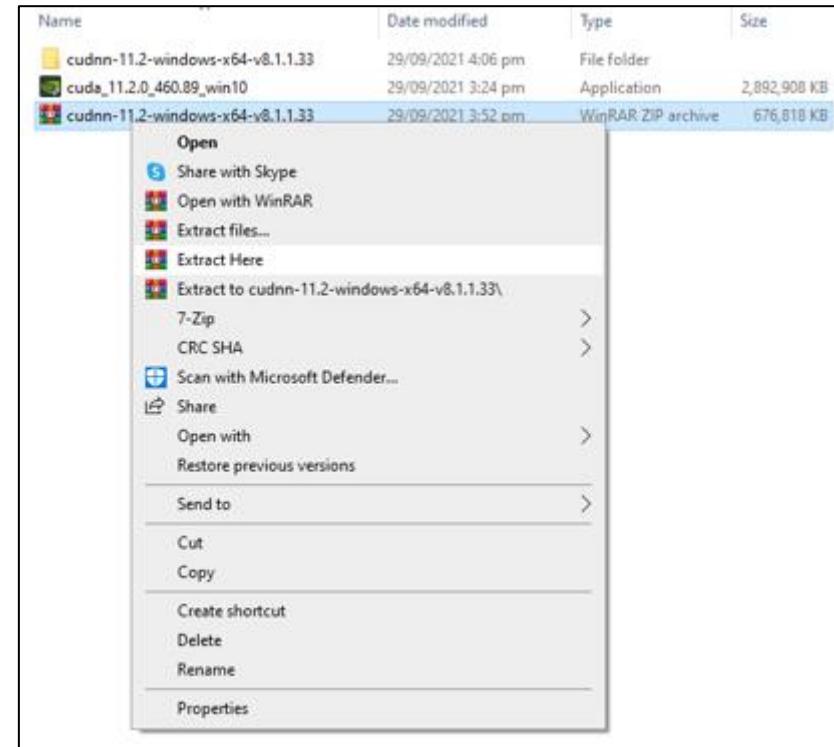
A100 OVER 5X FASTER THAN V100 WITH CUDNN 8.1



Comparing the throughput on a single DGX-1V server, cuDNN 7.6 vs. DGX-A100, cuDNN 8.1.1, on 21.02 NGC container. End-to-end performance runs to convergence.

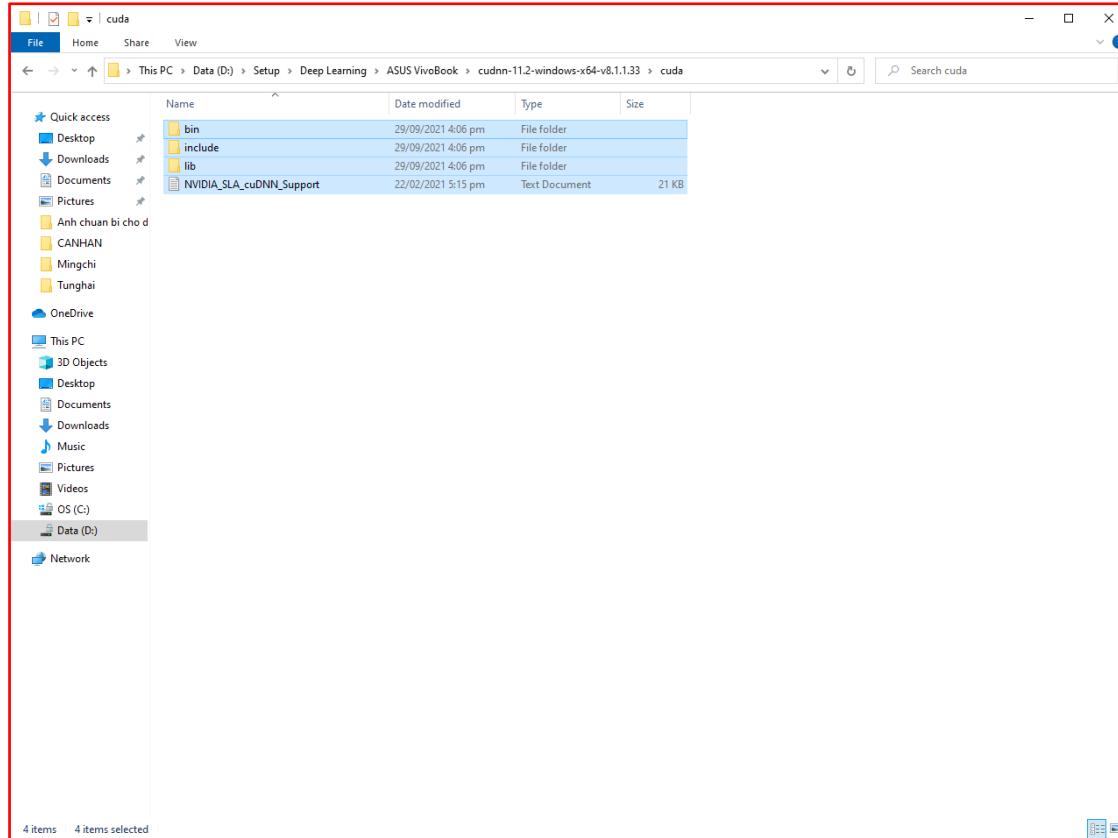
Installing Tensorflow with CUDA, cuDNN and GPU support on Windows 10

- Download and install cuDNN for CUDA 11.2

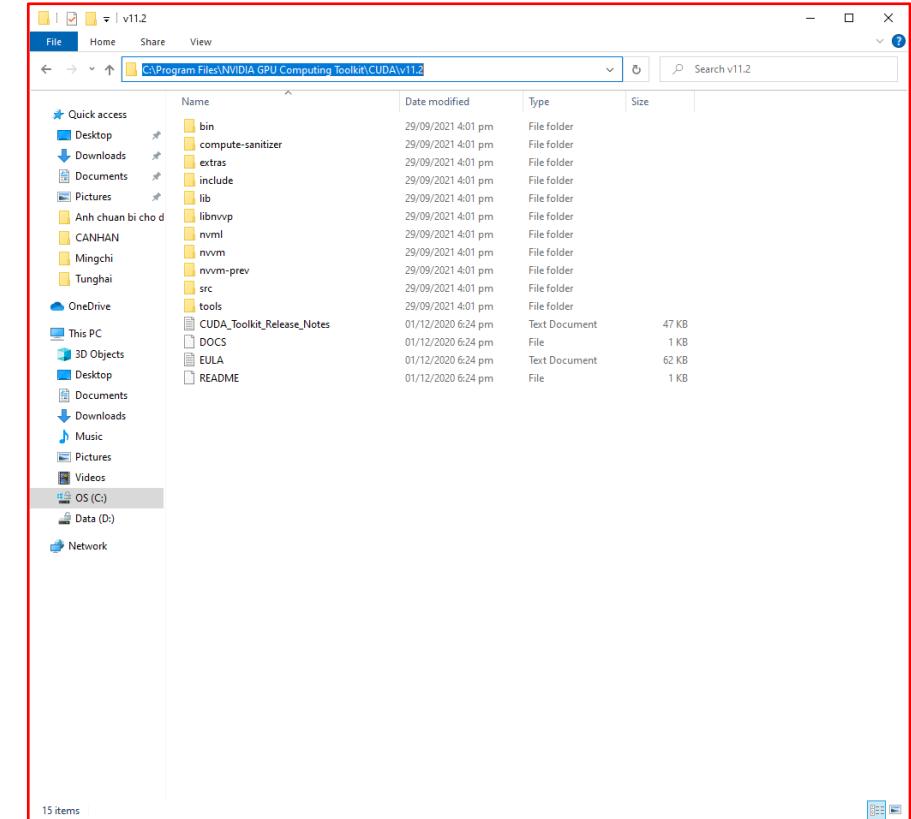


Installing Tensorflow with CUDA, cuDNN and GPU support on Windows 10

- Download and install cuDNN for CUDA 11.2



Copy to



Installing Tensorflow with CUDA, cuDNN and GPU support on Windows 10

Step 4: Check CUDA and cuDNN succeeded install or not



command

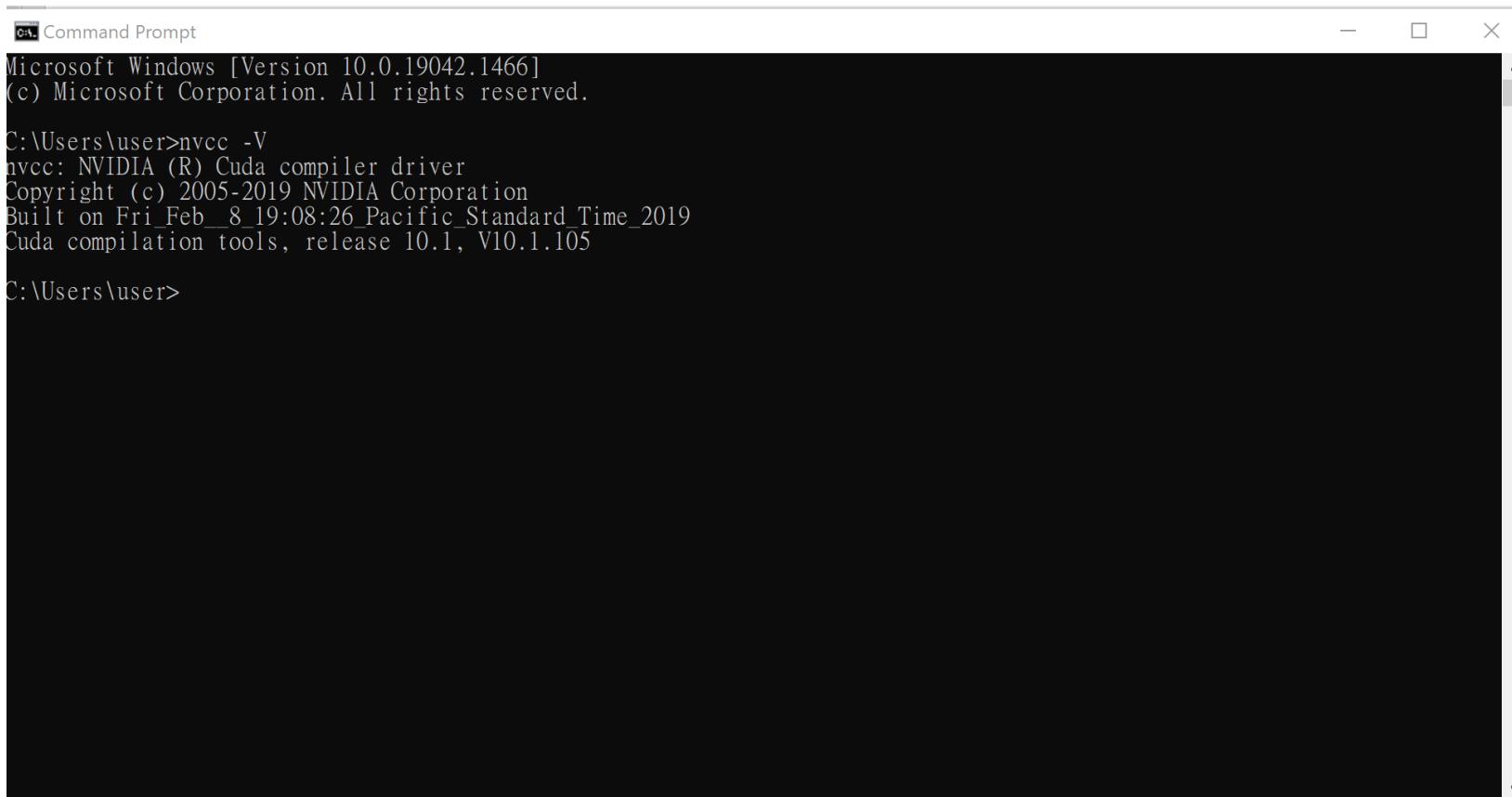
```
ca Command Prompt
Microsoft Windows [Version 10.0 19041.1237]
(c) Microsoft Corporation. All rights reserved.

C:\Users\user>nvcc --version
nvcc: NVIDIA (R) Cuda compiler driver
Copyright (c) 2005-2020 NVIDIA Corporation
Built on Mon_Nov_30_19:15:10_Pacific_Standard_Time_2020
Cuda compilation tools, release 11.2, V11.2.67
Build cuda_11.2.r11.2/compiler.29373293_0

C:\Users\user>
```

Installing Tensorflow with CUDA, cuDNN and GPU support on Windows 10

Check CUDA and cuDNN succeeded install or not



```
Command Prompt
Microsoft Windows [Version 10.0.19042.1466]
(c) Microsoft Corporation. All rights reserved.

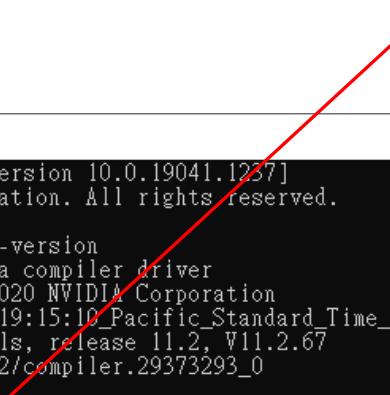
C:\Users\user>nvcc -V
nvcc: NVIDIA (R) Cuda compiler driver
Copyright (c) 2005-2019 NVIDIA Corporation
Built on Fri_Feb_8_19:08:26_Pacific_Standard_Time_2019
Cuda compilation tools, release 10.1, V10.1.105

C:\Users\user>
```

Installing Tensorflow with CUDA, cuDNN and GPU support on Windows 10

Check the path to cuDNN is true or false

command



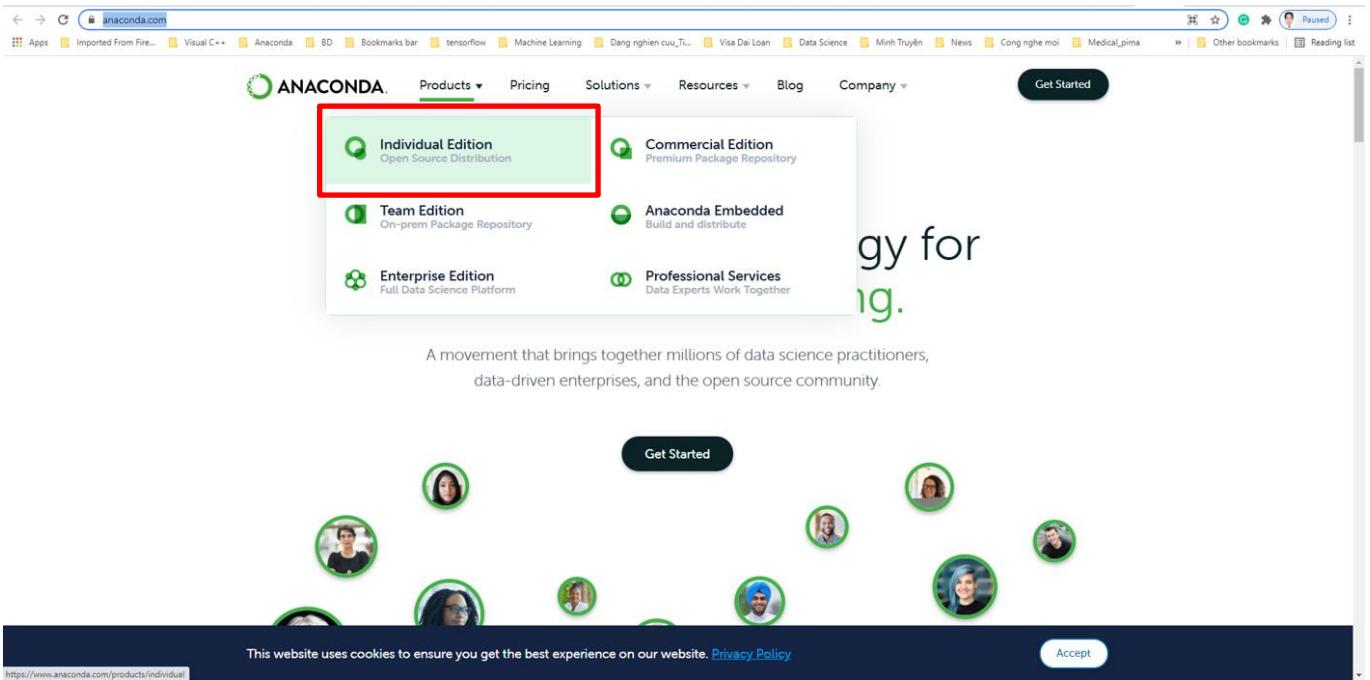
```
Microsoft Windows [Version 10.0.19041.1237]
(c) Microsoft Corporation. All rights reserved.

C:\Users\user>nvcc --version
nvcc: NVIDIA (R) Cuda compiler driver
Copyright (c) 2005-2020 NVIDIA Corporation
Built on Mon_Nov_30_19:15:10_Pacific_Standard_Time_2020
Cuda compilation tools, release 11.2, V11.2.67
Build cuda_11.2.r11.2/compiler.29373293_0

C:\Users\user>where cudnn*
C:\Program Files\NVIDIA GPU Computing Toolkit\CUDA\v11.2\bin\cudnn64_8.dll
C:\Program Files\NVIDIA GPU Computing Toolkit\CUDA\v11.2\bin\cudnn_adv_infer64_8.dll
C:\Program Files\NVIDIA GPU Computing Toolkit\CUDA\v11.2\bin\cudnn_adv_train64_8.dll
C:\Program Files\NVIDIA GPU Computing Toolkit\CUDA\v11.2\bin\cudnn_cnn_infer64_8.dll
C:\Program Files\NVIDIA GPU Computing Toolkit\CUDA\v11.2\bin\cudnn_cnn_train64_8.dll
C:\Program Files\NVIDIA GPU Computing Toolkit\CUDA\v11.2\bin\cudnn_ops_infer64_8.dll
C:\Program Files\NVIDIA GPU Computing Toolkit\CUDA\v11.2\bin\cudnn_ops_train64_8.dll

C:\Users\user>
```

Installing Anaconda on Windows



The screenshot shows the Anaconda website homepage. At the top, there is a navigation bar with links for 'Products', 'Pricing', 'Solutions', 'Resources', 'Blog', and 'Company'. Below the navigation bar, there are six product options: 'Individual Edition' (highlighted with a red box), 'Commercial Edition', 'Team Edition', 'Anaconda Embedded', 'Enterprise Edition', and 'Professional Services'. A large green banner with the text 'Data Science Platform' and 'Individual Edition' is displayed. Below the banner, there is a quote: 'A movement that brings together millions of data science practitioners, data-driven enterprises, and the open source community.' At the bottom of the page, there is a cookie consent message: 'This website uses cookies to ensure you get the best experience on our website. [Privacy Policy](#)' and a 'Accept' button.

Anaconda3-2020.02-Linux-ppc64le.sh	276.0M	2020-03-11	10:32:32	fef889d3939132d9caf7f56ac9174ff6
Anaconda3-2020.02-Linux-x86_64.sh	521.6M	2020-03-11	10:32:37	17600d1f12b2b047b62763221f29f2bc
Anaconda3-2020.02-MacOSX-x86_64.pkg	442.2M	2020-03-11	10:32:57	d1e7fe5d52e5b3ccb38d9af262688e89
Anaconda3-2020.02-MacOSX-x86_64.sh	430.1M	2020-03-11	10:32:34	f0229959e0bd45dee0c14b20e58ad916
Anaconda3-2020.02-Windows-x86.exe	423.2M	2020-03-11	10:32:58	64ae8d0e5095b9a878d4522db4ce751e
Anaconda3-2020.02-Windows-x86_64.exe	466.3M	2020-03-11	10:32:35	6b02c1c91049d29fc65be68f2443079a
Anaconda3-2020.07-Linux-ppc64le.sh	290.4M	2020-07-23	12:16:47	daf3de1185a390f435ab80b3c2212205
Anaconda3-2020.07-Linux-x86_64.sh	558.1M	2020-07-23	12:16:50	1046c40a314ab2531e4c099741530ada
Anaconda3-2020.07-MacOSX-x86_64.pkg	462.3M	2020-07-23	12:16:42	2941ddba0cd849b342c18cde51fee43
Anaconda3-2020.07-MacOSX-x86_64.sh	454.1M	2020-07-23	12:16:44	50f20c90b8b5bfdc09759c09e32dc6e8
Anaconda3-2020.07-Windows-x86.exe	397.3M	2020-07-23	12:16:51	aa7dcfd4d02baa25d14ba5728e29d067
Anaconda3-2020.07-Windows-x86_64.exe	467.5M	2020-07-23	12:16:46	7c718535a7dd89fa46b147626ada9e46
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Anaconda3-2020.11-Linux-x86_64.sh	528.8M	2020-11-18	16:45:36	4cd48ef23a075e8555a8b6d0a8c4bae2
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Anaconda3-2020.11-MacOSX-x86_64.sh	427.8M	2020-11-18	16:45:35	918de9a9936908fe62514e0ca6873a21
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Anaconda3-2020.11-Windows-x86_64.exe	457.2M	2020-11-18	16:45:34	0841ffcb927a3c2edb6d82520f52e546
Anaconda3-2021.04-Linux-aarch64.sh	407.6M	2021-05-07	10:44:23	14f48f5d1310478b11940a3b96eec7b6
Anaconda3-2021.04-Linux-ppc64le.sh	285.3M	2021-05-10	14:23:03	e5c8220526b95293e669734f91194acc
Anaconda3-2021.04-Linux-s390x.sh	291.7M	2021-05-07	10:45:26	e61fac26bf61bc5c3e3c1a93abc4d8e2
Anaconda3-2021.04-Linux-x86_64.sh	539.9M	2021-05-10	14:21:09	230f2c3c343ee58073bf41bd896dd76c
Anaconda3-2021.04-MacOSX-x86_64.pkg	436.9M	2021-05-10	14:21:10	e2aabaa1dc1a4d4a4fc01281fc2a34c7
Anaconda3-2021.04-MacOSX-x86_64.sh	429.3M	2021-05-10	14:21:08	3caed29ad5564b3567676504669342dc
Anaconda3-2021.04-Windows-x86.exe	405.0M	2021-05-10	14:21:09	7adeb27de653a970476c374408342954
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Anaconda3-2021.05-MacOSX-x86_64.pkg	440.3M	2021-05-13	22:08:47	0198acd5268012b81c66d11b9ddeb2c8
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Anaconda3-2021.05-Windows-x86.exe	408.5M	2021-05-13	22:08:48	538586430492ddd24b5cb815034715ab
Anaconda3-2021.05-Windows-x86_64.exe	477.2M	2021-05-13	22:08:48	d62d396a00c6dds1ebf70cde1b5f4c51
Anaconda3-2021.11-Linux-aarch64.sh	487.7M	2021-11-17	12:08:43	eeb286c02146b68a5a6c26e613fb0e4
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Anaconda3-2021.11-Linux-x86_64.sh	211.7M	2021-11-17	12:08:44	576b077c520bf7a38ff1b1a1018632hd

<https://repo.anaconda.com/archive/>

Installing Anaconda on Windows

The screenshot shows a web browser displaying the Anaconda Individual Edition landing page. The URL in the address bar is anaconda.com/products/individual. The page features a large green 'Q' logo and the text 'Individual Edition'. Below this, the heading 'Your data science toolkit' is displayed. A paragraph explains that with over 25 million users worldwide, the open-source Individual Edition (Distribution) is the easiest way to perform Python/R data science and machine learning on a single machine. Developed for solo practitioners, it equips you to work with thousands of open-source packages and libraries. To the right, a callout box highlights the 'Anaconda Individual Edition' with a 'Download' button, which is highlighted with a red box. The download information includes 'For Windows', 'Python 3.8 • 64-Bit Graphical Installer • 477 MB', and links for 'Get Additional Installers' with icons for Windows, macOS, and Linux.

This website uses cookies to ensure you get the best experience on our website. [Privacy Policy](#)

Accept

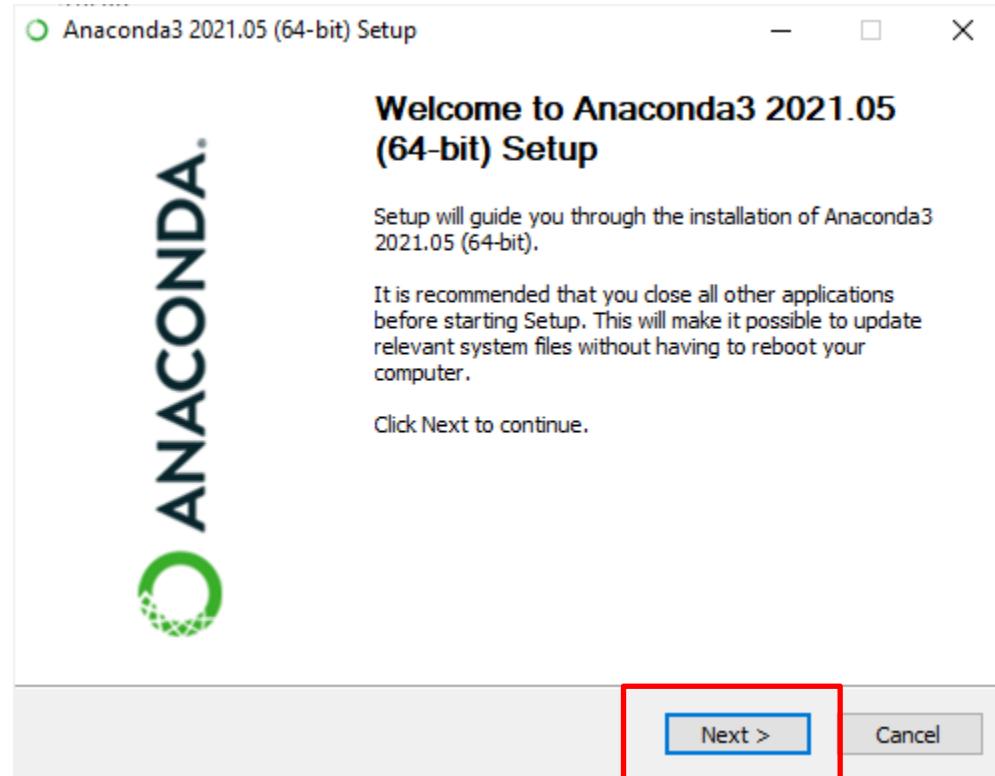
Installing Anaconda on Windows

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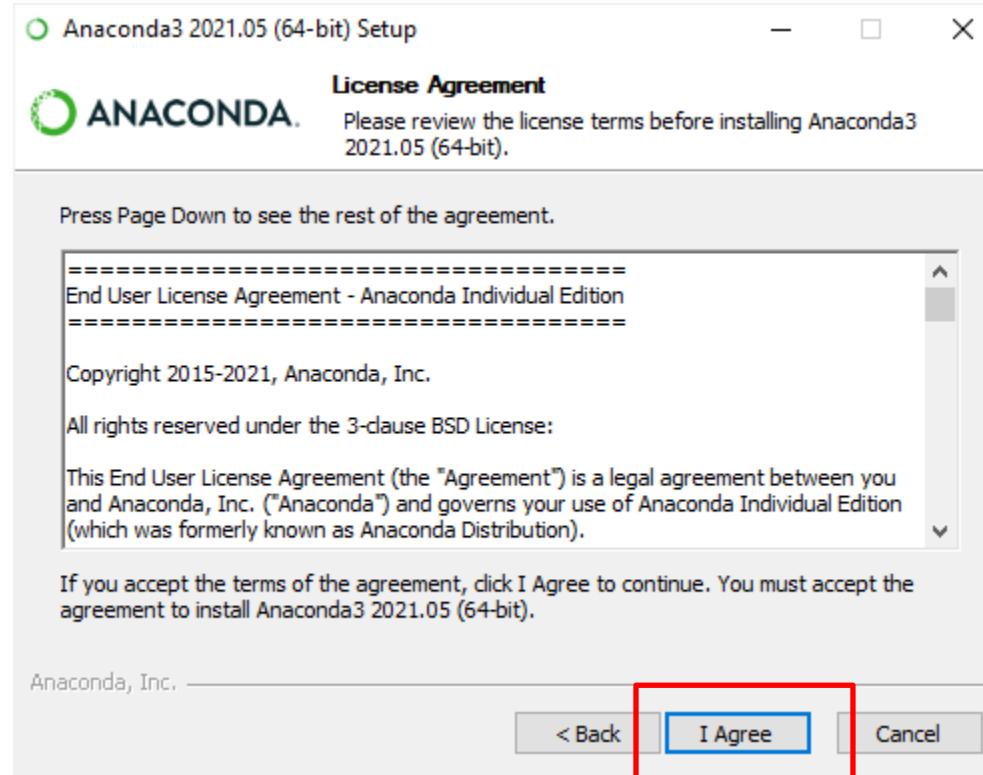
This website uses cookies to ensure you get the best experience on our website. [Privacy Policy](#)

Accept

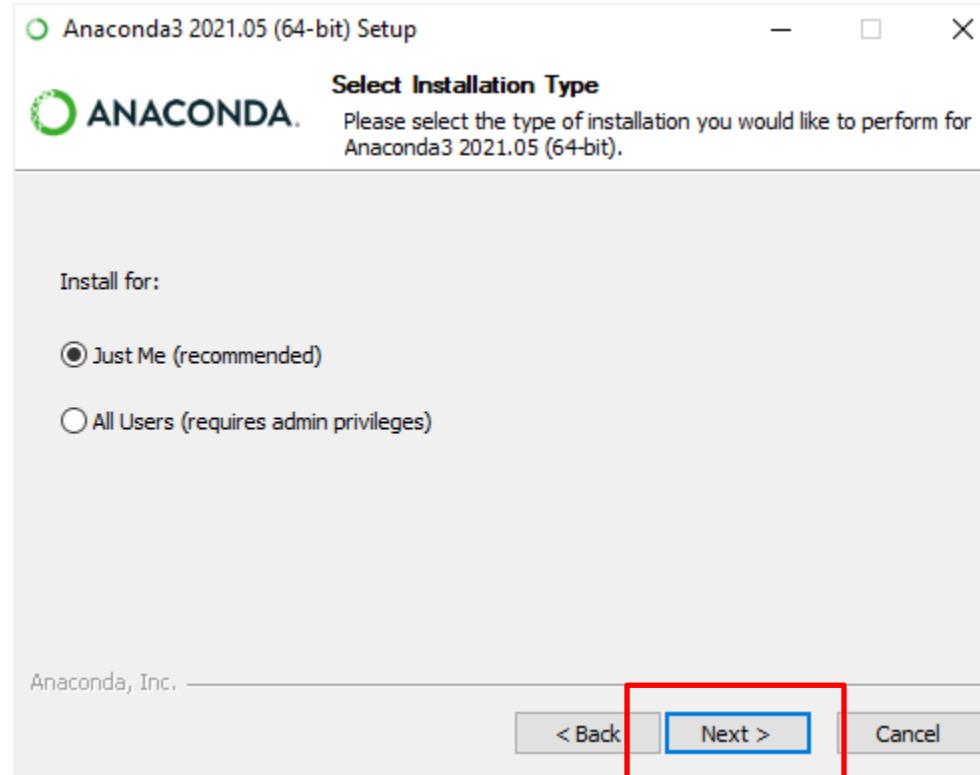
Installing Anaconda on Windows



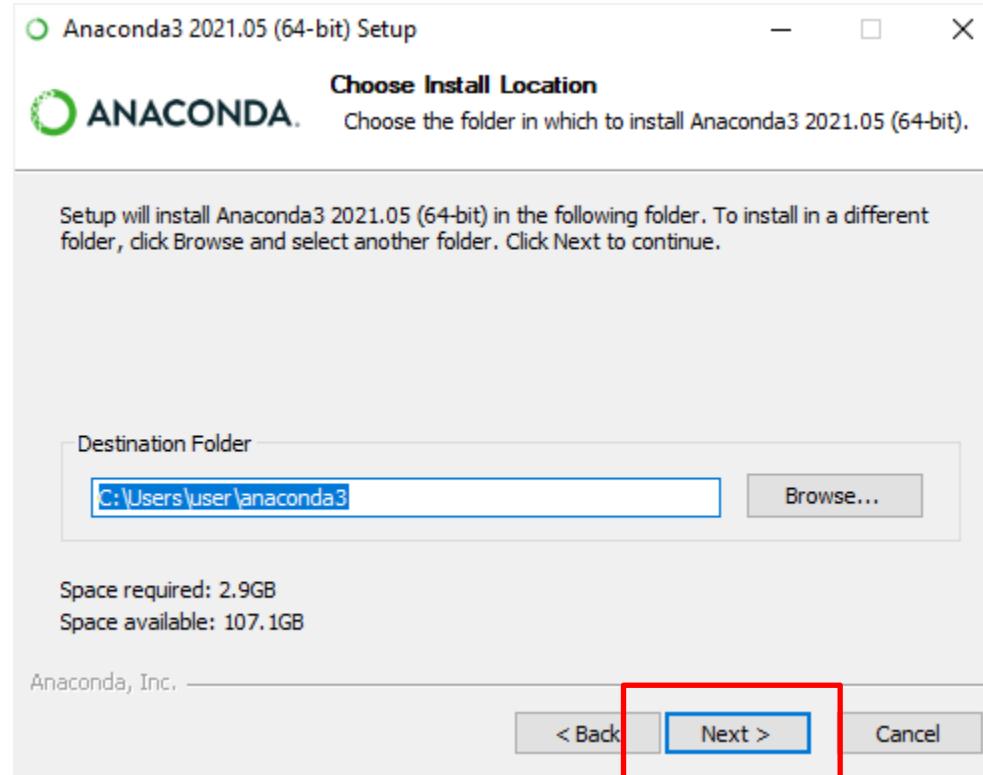
Installing Anaconda on Windows



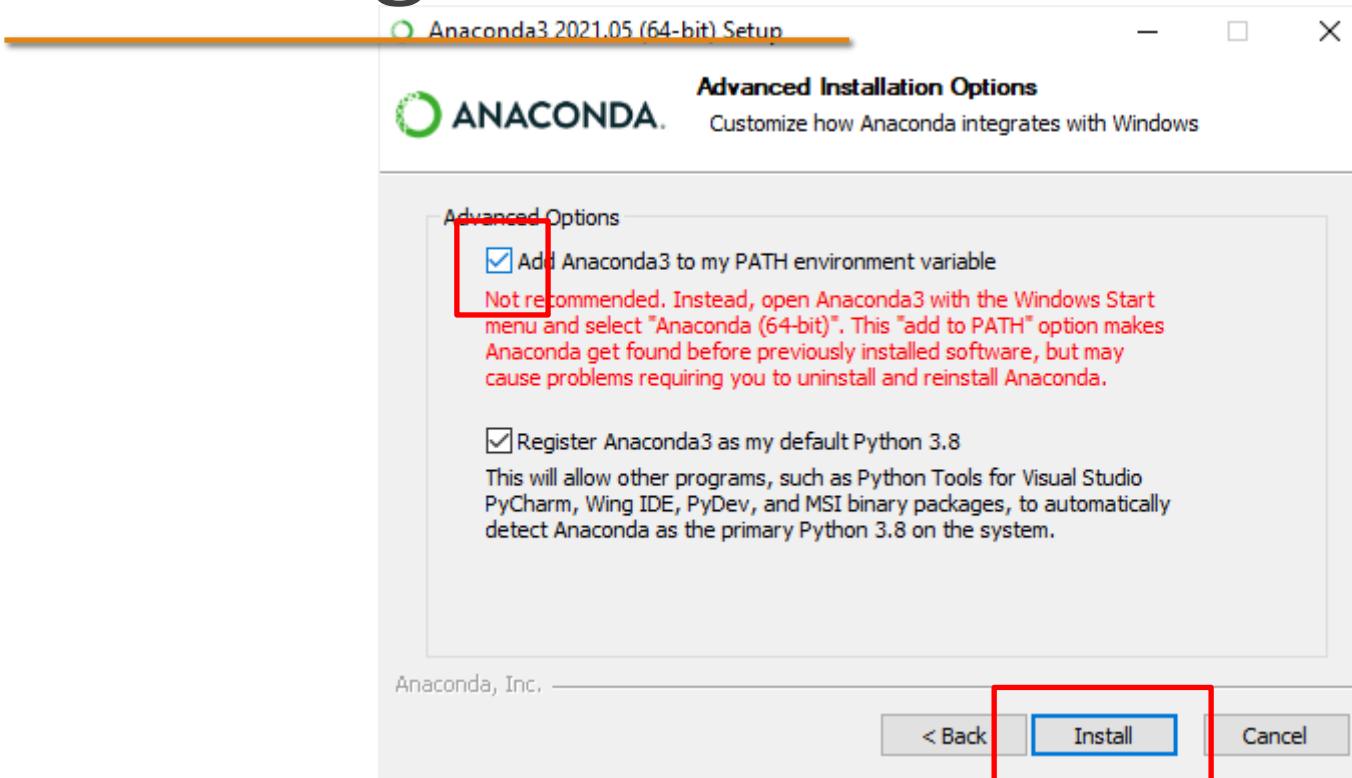
Installing Anaconda on Windows



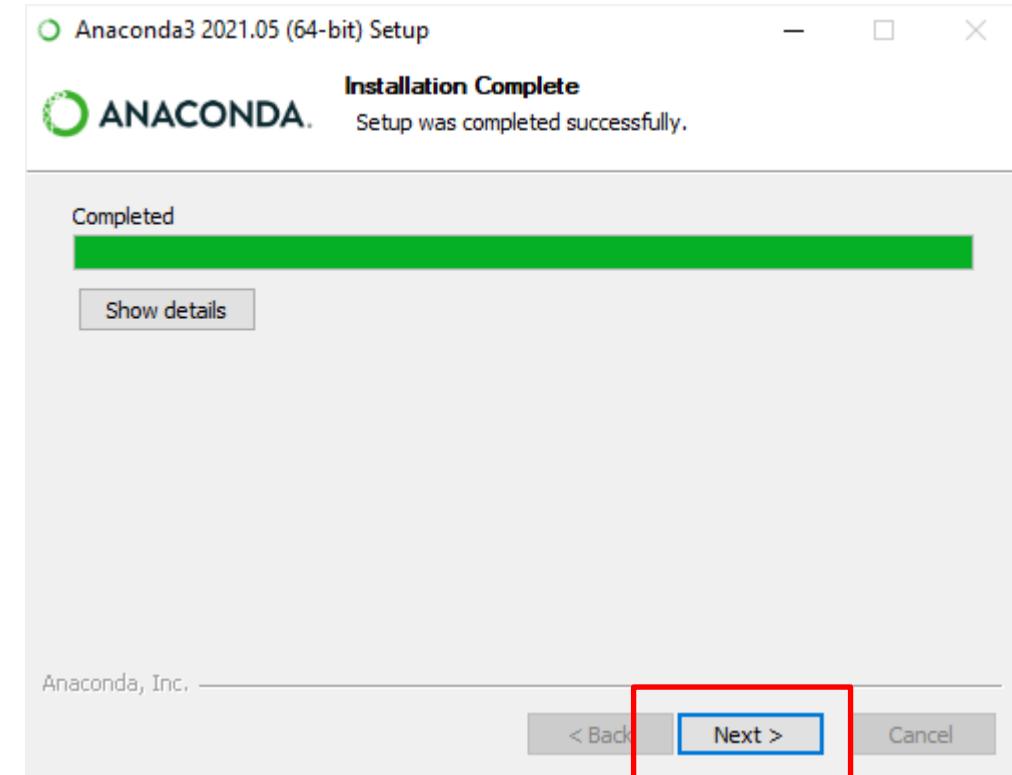
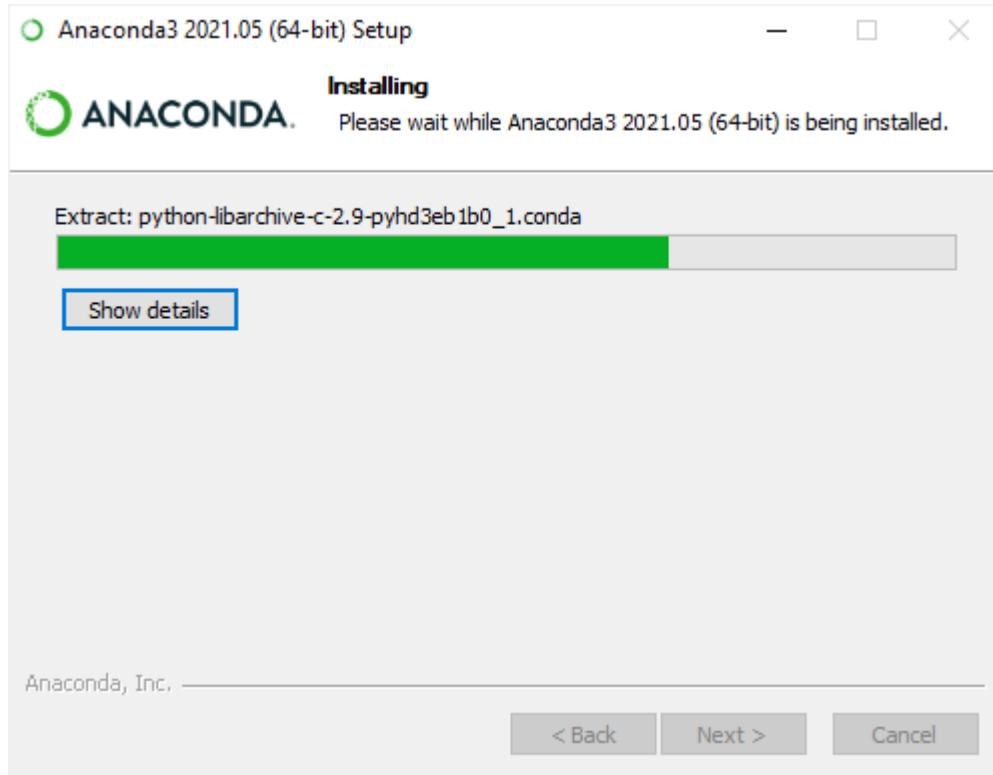
Installing Anaconda on Windows



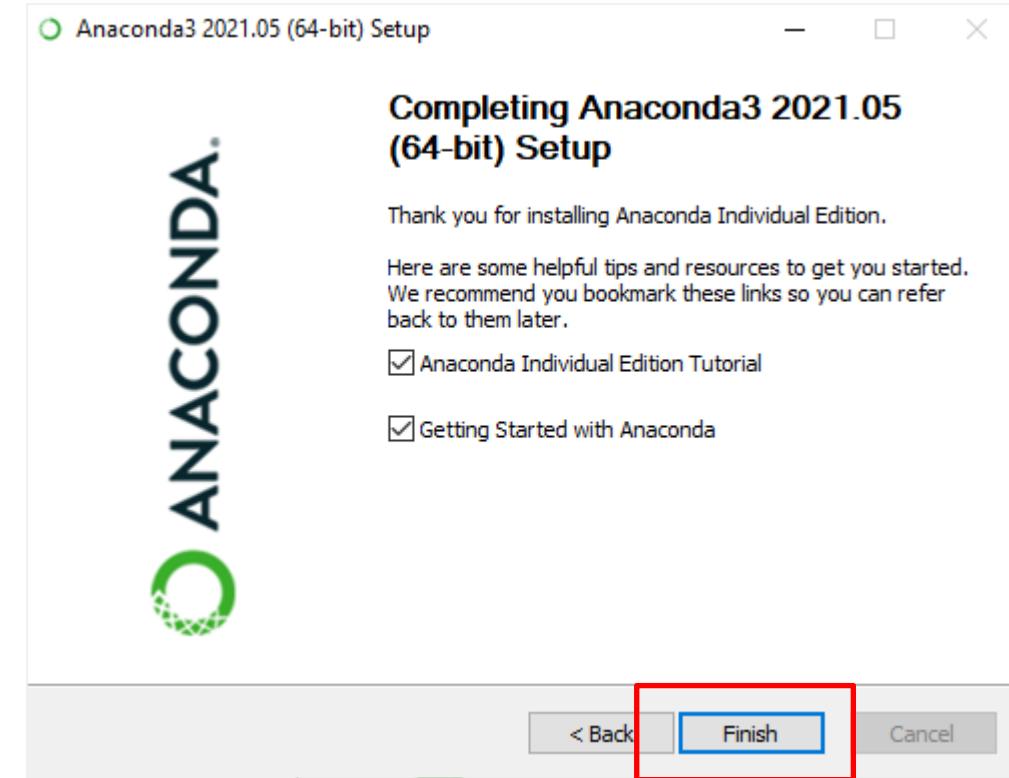
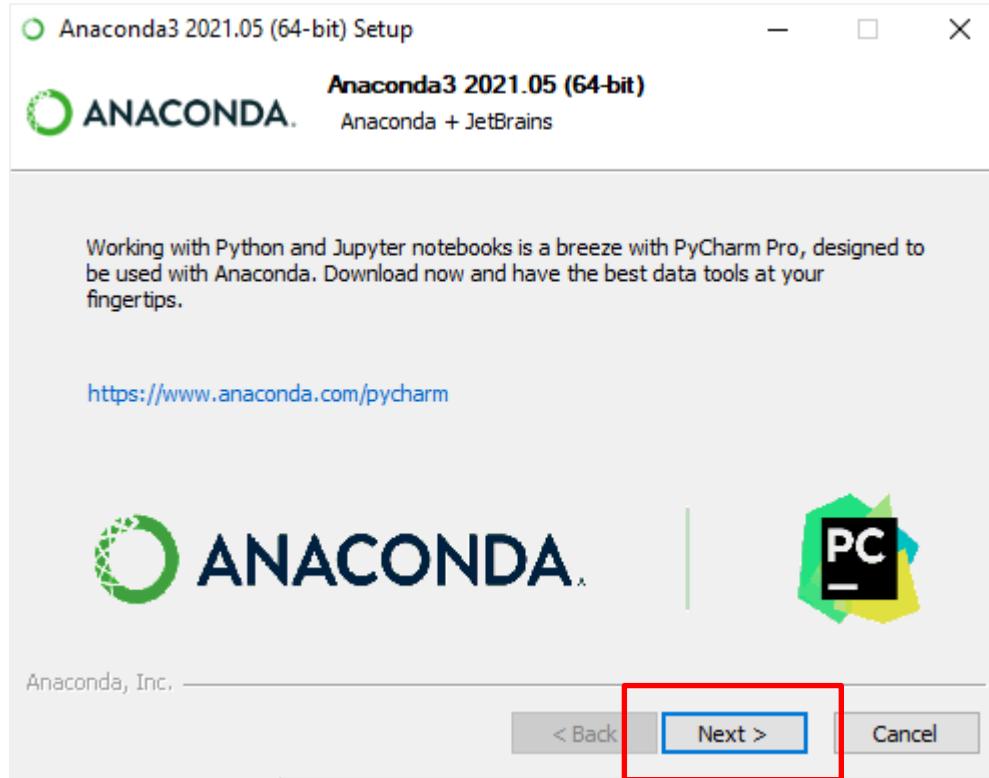
Installing Anaconda on Windows



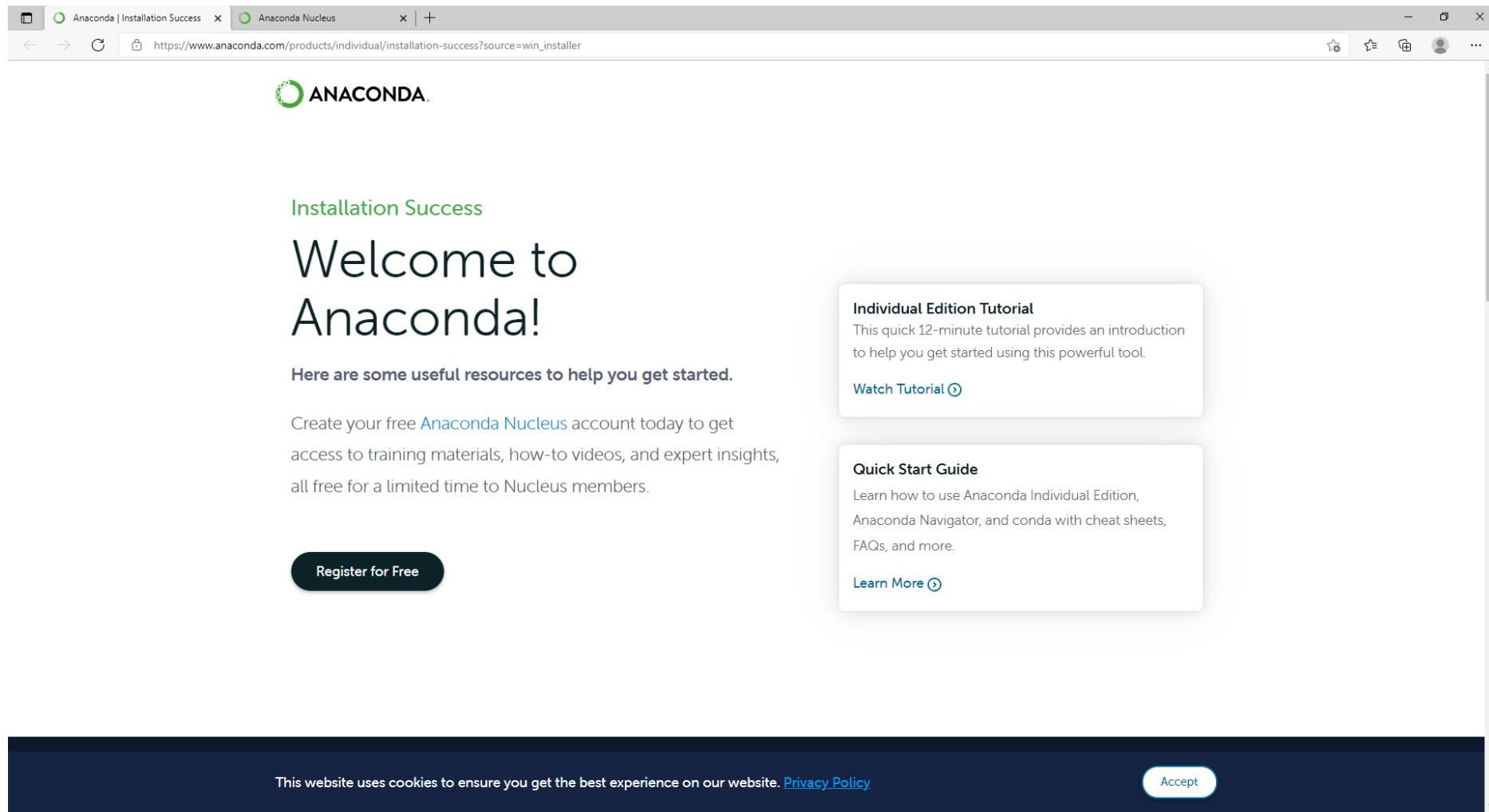
Installing Anaconda on Windows



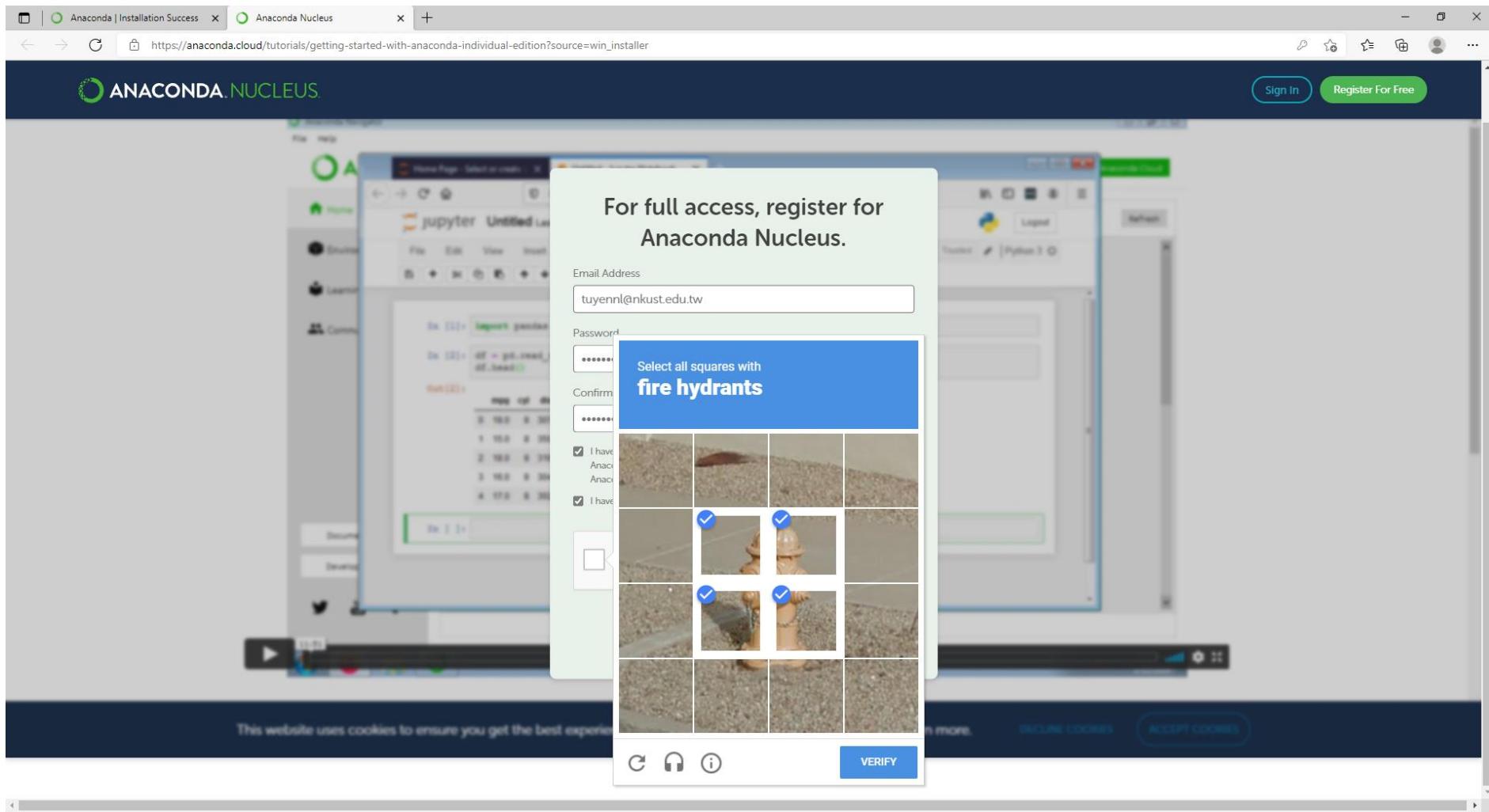
Installing Anaconda on Windows



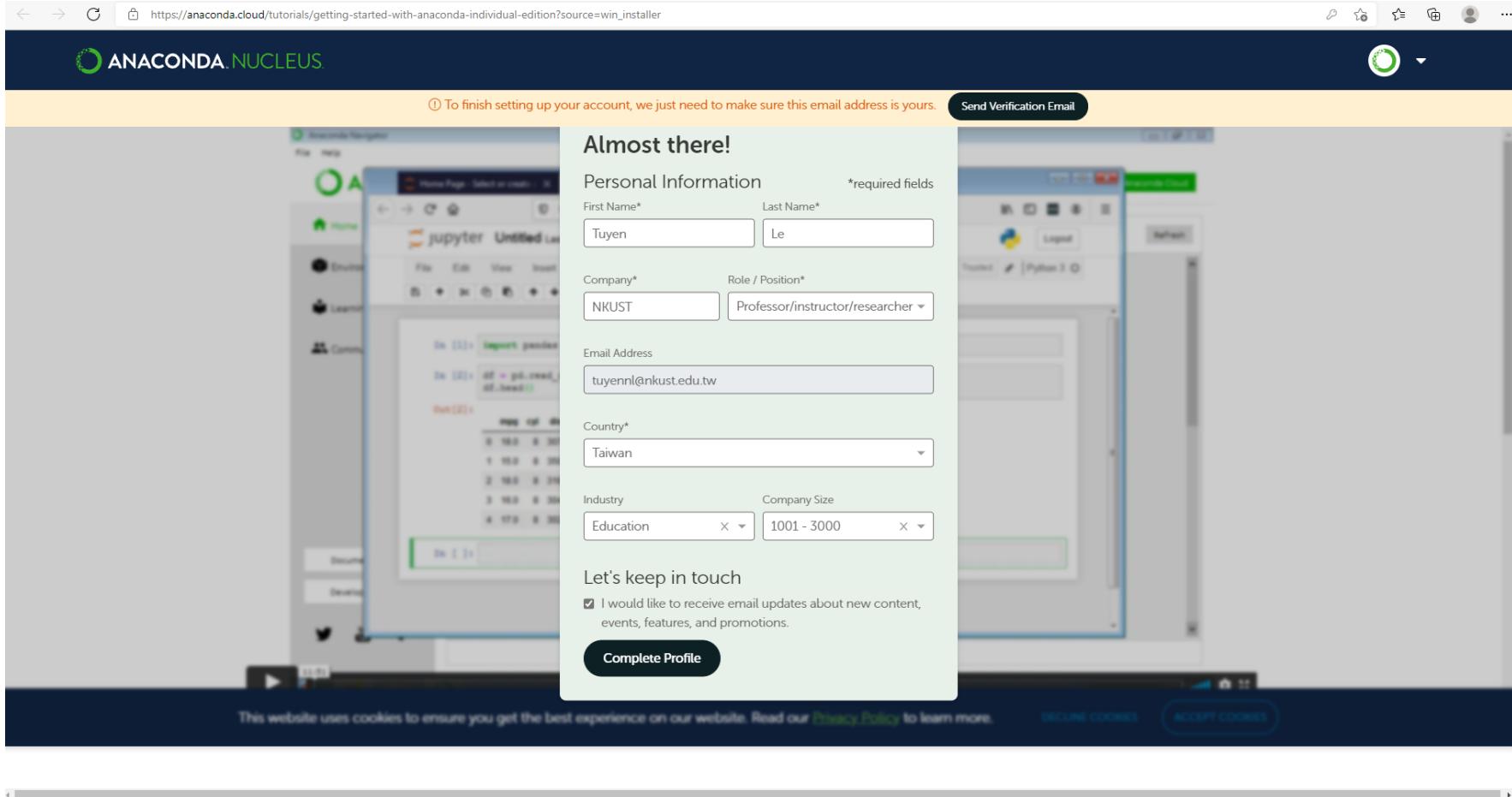
Installing Anaconda on Windows



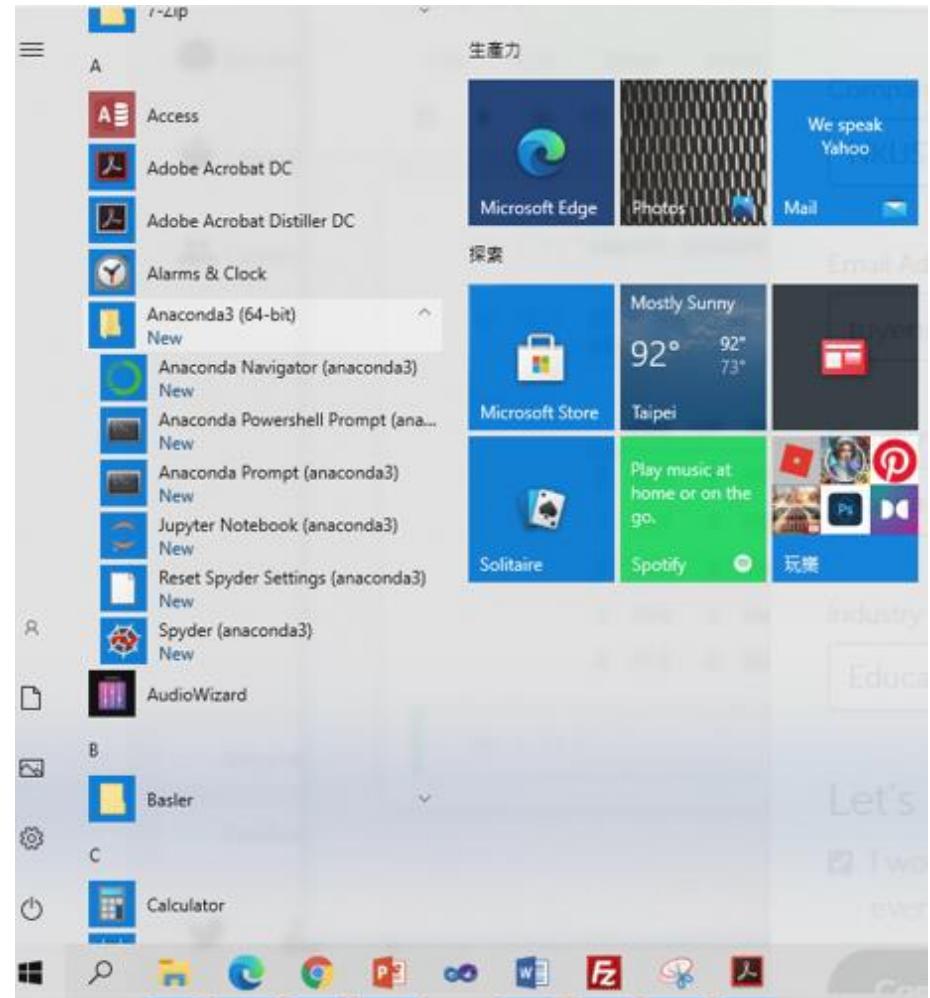
Installing Anaconda on Windows



Installing Anaconda on Windows



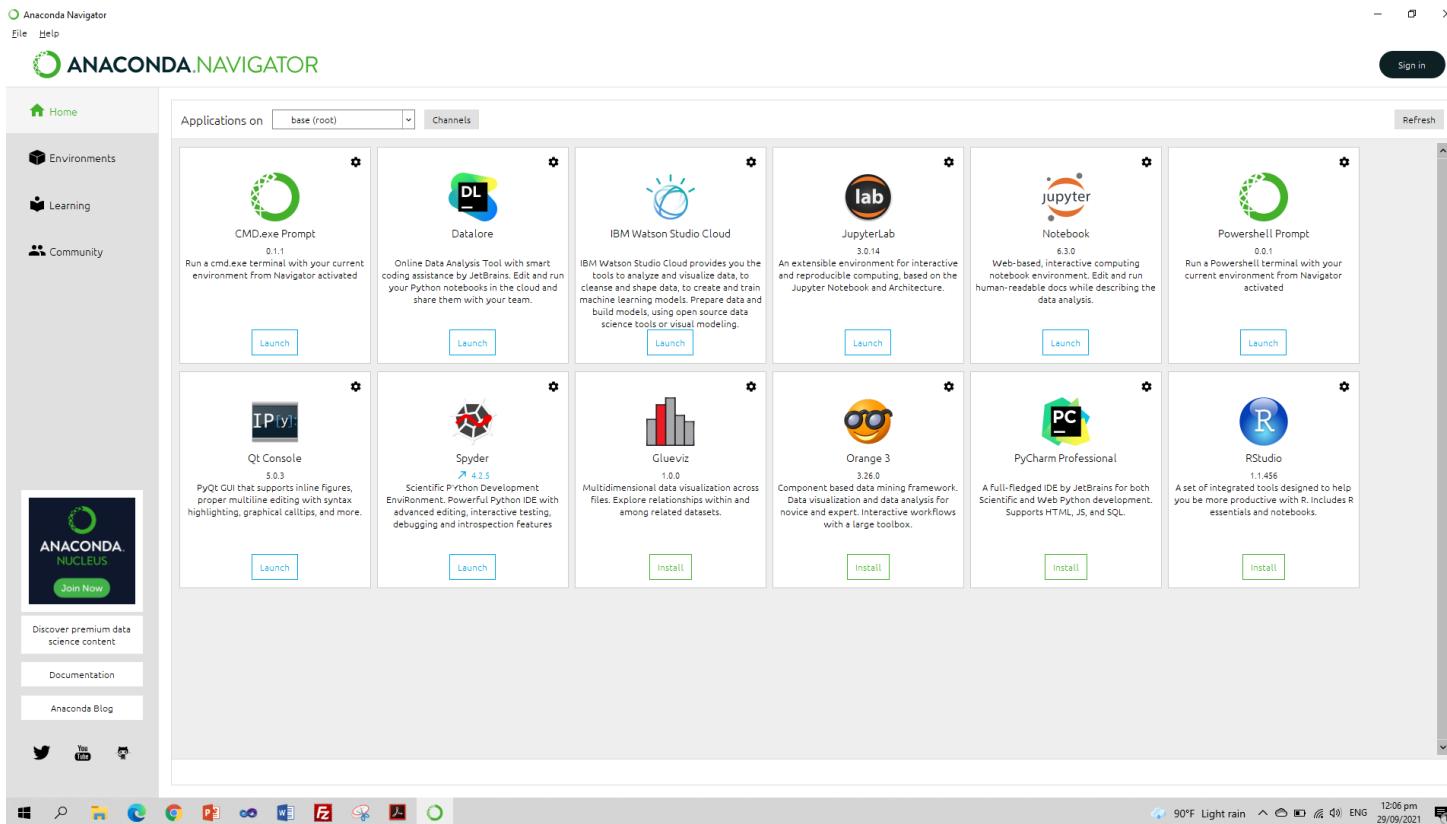
Installing Anaconda on Windows



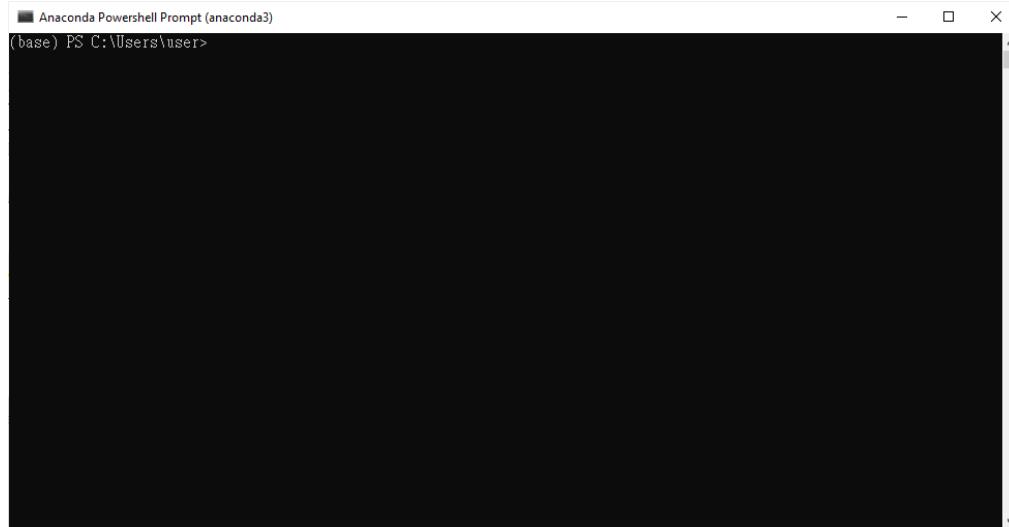
Installing Anaconda on Windows

Anaconda Navigator

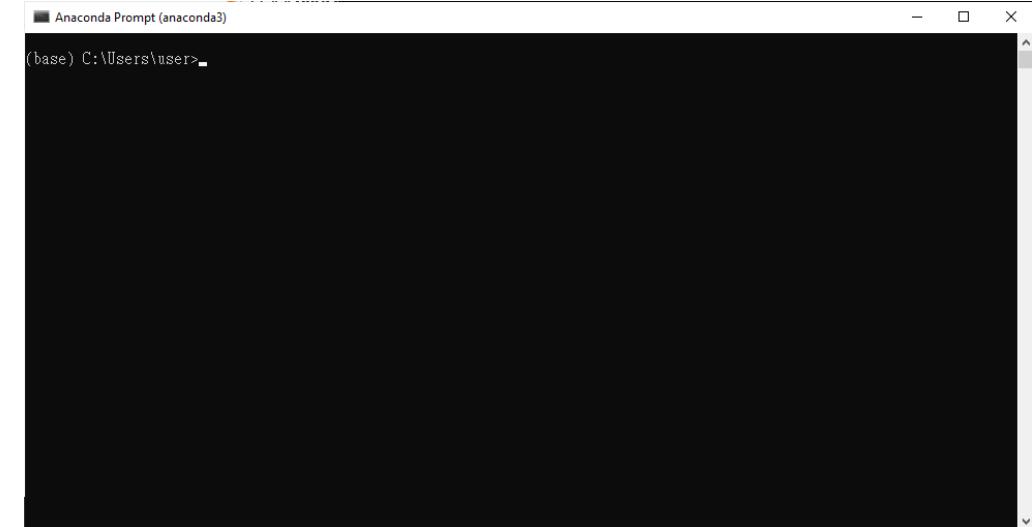
Anaconda Navigator is a desktop graphical user interface (GUI) included in Anaconda® distribution that allows you to launch applications and easily manage conda packages, environments, and channels without using command-line commands. Navigator can search for packages on Anaconda.org or in a local Anaconda Repository.



Installing Anaconda on Windows

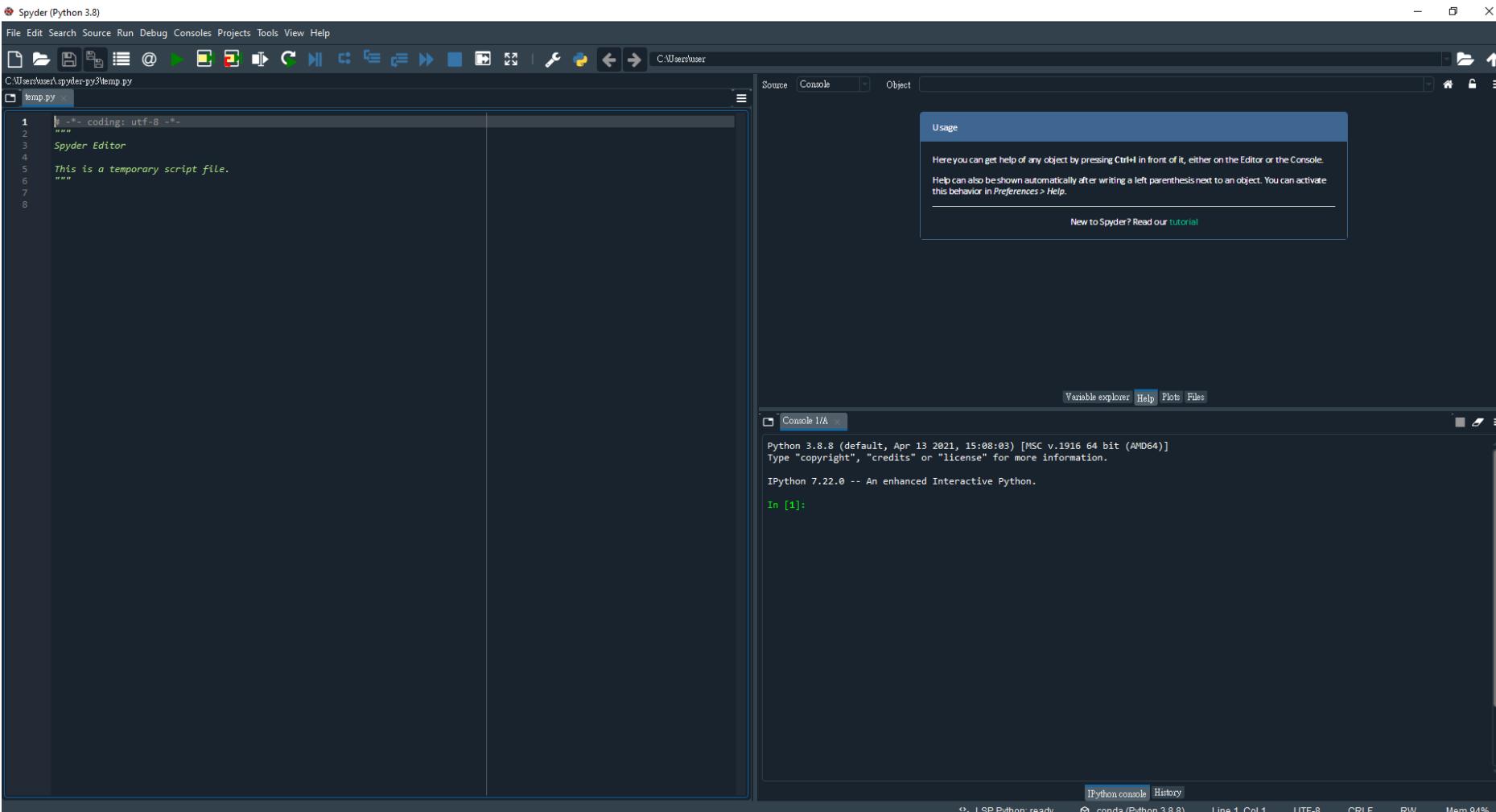


Anaconda Powershell Prompt (Anaconda3)



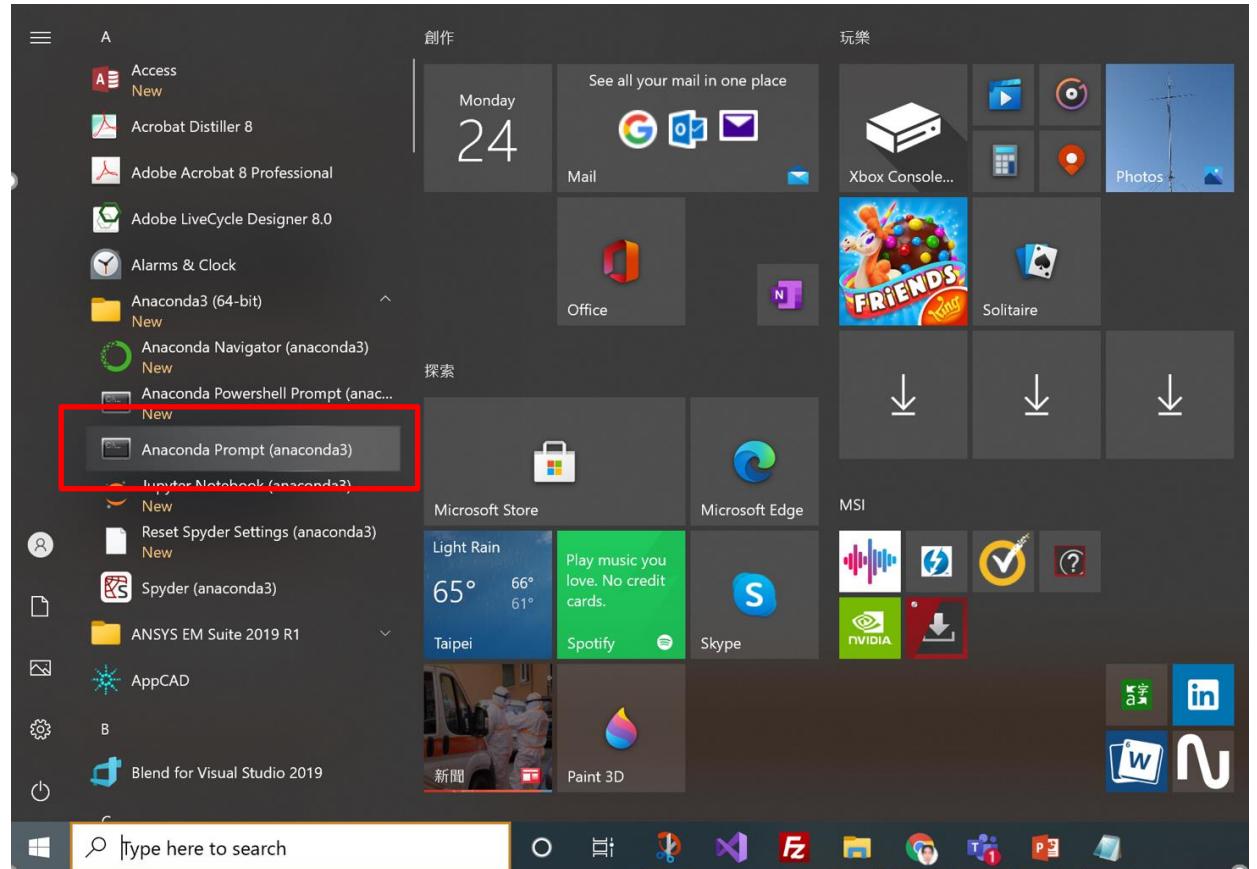
Anaconda Prompt (Anaconda3)

Installing Anaconda on Windows



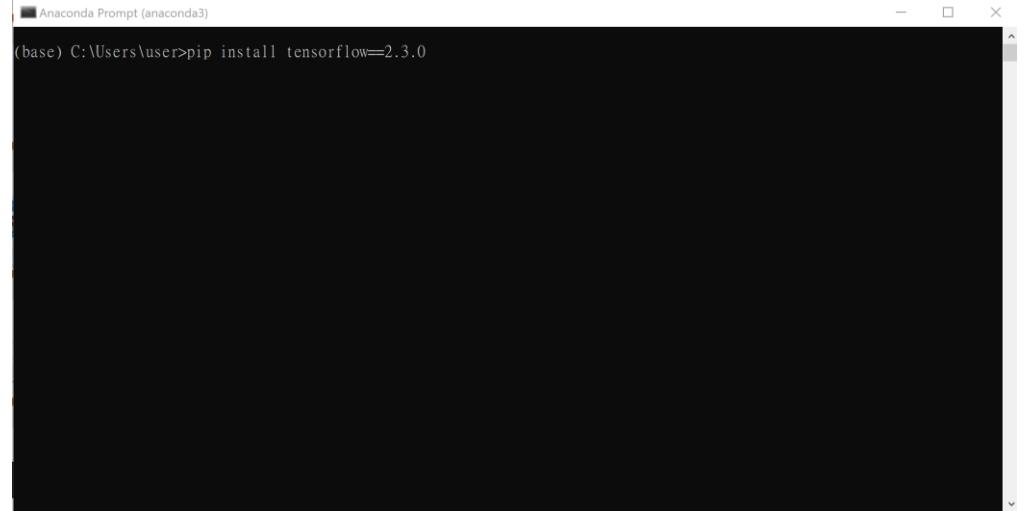
Installing Anaconda on Windows

```
pip install tensorflow==2.3.0  
pip install keras==2.4  
pip install opencv-python  
(conda install -c conda-forge opencv)
```



Installing Anaconda on Windows

```
pip install tensorflow==2.3.0  
pip install keras==2.4  
pip install opencv-python  
(conda install -c conda-forge opencv)
```



Anaconda Prompt (anaconda3)
(base) C:\Users\user>pip install tensorflow==2.3.0



Anaconda Prompt (anaconda3)
(base) C:\Users\user>pip install keras==2.4



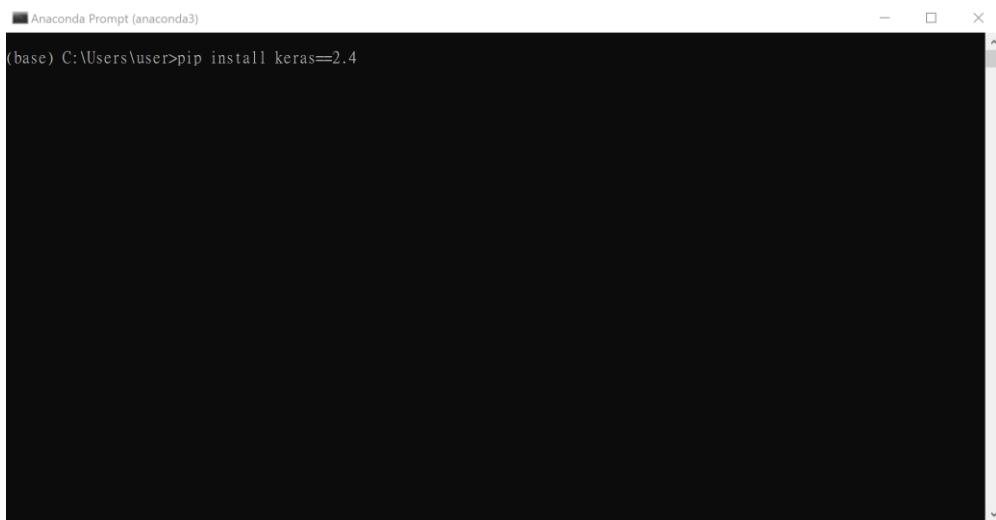
Anaconda Prompt (anaconda3)
(base) C:\Users\user>conda install -c conda-forge opencv

Installing Anaconda on Windows

```
pip install tensorflow==2.6.0  
pip install keras==2.6  
pip install opencv-python  
(conda install -c conda-forge opencv)
```



Anaconda Prompt (anaconda3)
(base) C:\Users\user>pip install tensorflow==2.3.0



Anaconda Prompt (anaconda3)
(base) C:\Users\user>pip install keras==2.4



Anaconda Prompt (anaconda3)
(base) C:\Users\user>conda install -c conda-forge opencv

See you next week

