

# COMP 2139

## Lab 1 – ASP.NET C# Environment Setup



# Technologies

## Technologies Required

Visual Studio 2022 or Visual Studio 2022 Community Edition

- Both of these technologies include...
  - An edition of IIS (IIS Express)
  - An edition of SQL Server (SQL Server Express LocalDB)

## Online Instructions

<https://docs.microsoft.com/en-us/visualstudio/install/install-visual-studio?view=vs-2022>

## Launch Videos

<https://www.youtube.com/playlist?list=PLReL099Y5nRc9f9Jpo1R7FsdHGGQwqoHLn>

# Step 2 – Download Visual Studio

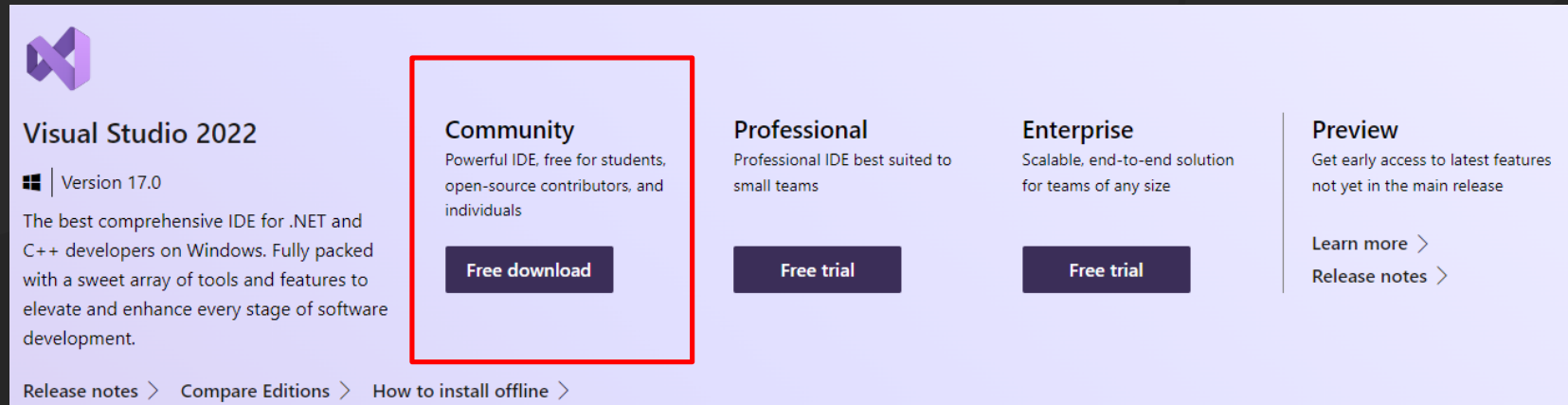
## Download

Download the Visual Studio bootstrapper file. To do so, click the following link:

v2022

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

Select the edition of Visual Studio that you want, click **Save**, and then click **Open folder**.



# Step – Install the Visual Studio Installer

Then, run the bootstrapper file to install the Visual Studio Installer. This new lightweight installer includes everything you need to both install and customize Visual Studio.

1. From your **Downloads** folder, double-click the bootstrapper that matches or is similar to one of the following files:

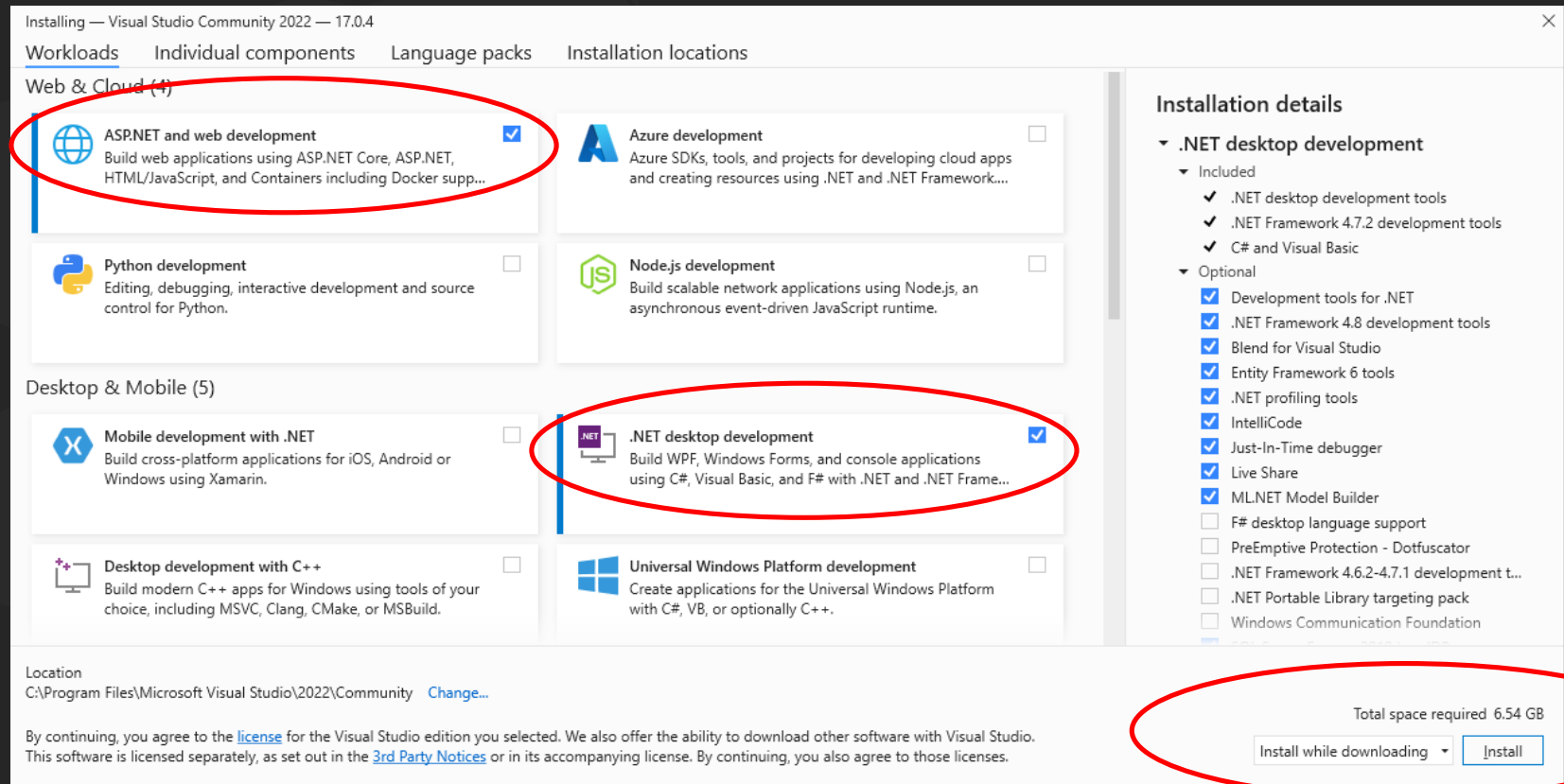
**vs\_community.exe** for Visual Studio Community

2. Acknowledge the Microsoft License Terms and Click **continue**

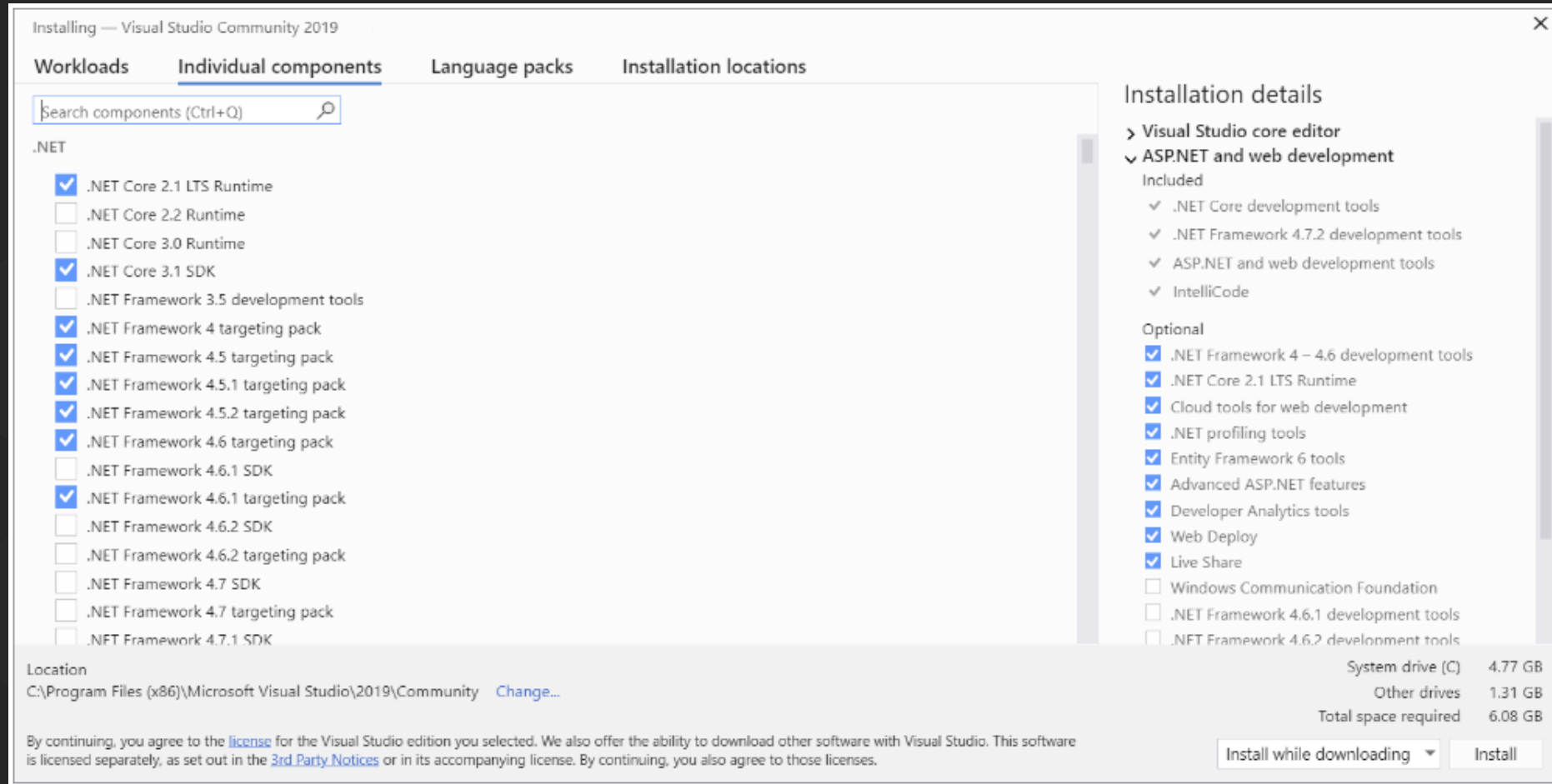
# Step 4 – Select Workloads

For this course, the following workloads should be installed.

- .NET desktop development
- ASP.NET and web development



# Step 5 – Select Individual Components (Optional)



# Step 6 – Install Language Packs

Installing — Visual Studio Community 2019

Workloads Individual components Language packs Installation locations

You can add additional language packs to your Visual Studio installation.

- ☐ Chinese (Simplified)
- ☐ Chinese (Traditional)
- ☐ Czech
- ☒ English
- ☐ French
- ☐ German
- ☐ Italian
- ☐ Japanese
- ☐ Korean
- ☐ Polish
- ☐ Portuguese (Brazil)
- ☐ Russian
- ☐ Spanish
- ☐ Turkish

Installation details

> Visual Studio core editor

✓ ASP.NET and web development

Included

- ✓ .NET Core development tools
- ✓ .NET Framework 4.7.2 development tools
- ✓ ASP.NET and web development tools
- ✓ IntelliCode

Optional

- ☒ .NET Framework 4 – 4.6 development tools
- ☒ .NET Core 2.1 LTS Runtime
- ☒ Cloud tools for web development
- ☒ .NET profiling tools
- ☒ Entity Framework 6 tools
- ☒ Advanced ASP.NET features
- ☒ Developer Analytics tools
- ☒ Web Deploy
- ☒ Live Share
- ☐ Windows Communication Foundation
- ☐ .NET Framework 4.6.1 development tools
- ☐ .NET Framework 4.6.2 development tools

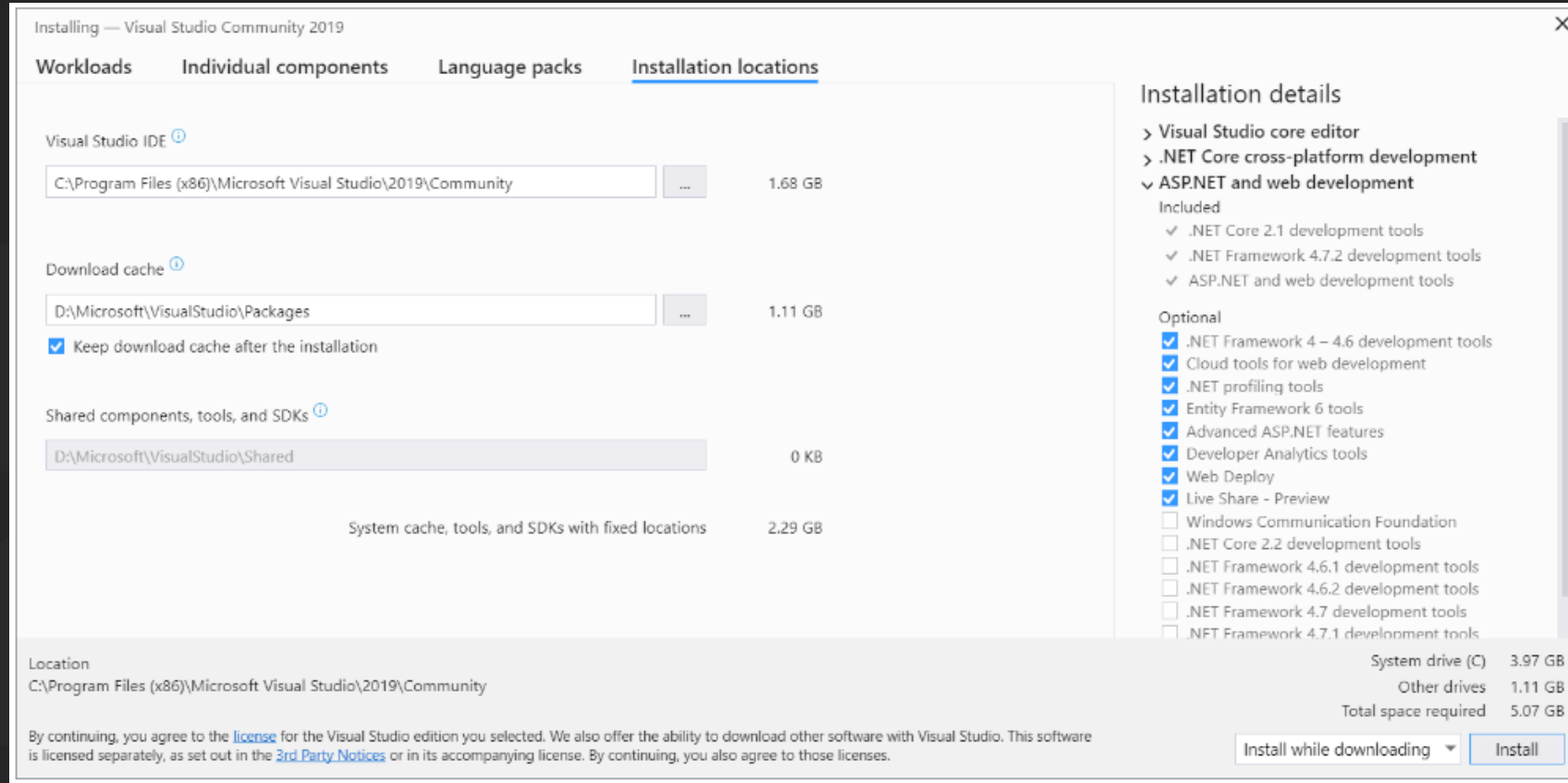
Location  
C:\Program Files (x86)\Microsoft Visual Studio\2019\Community [Change...](#)

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.

System drive (C) 4.77 GB  
Other drives 1.31 GB  
Total space required 6.08 GB

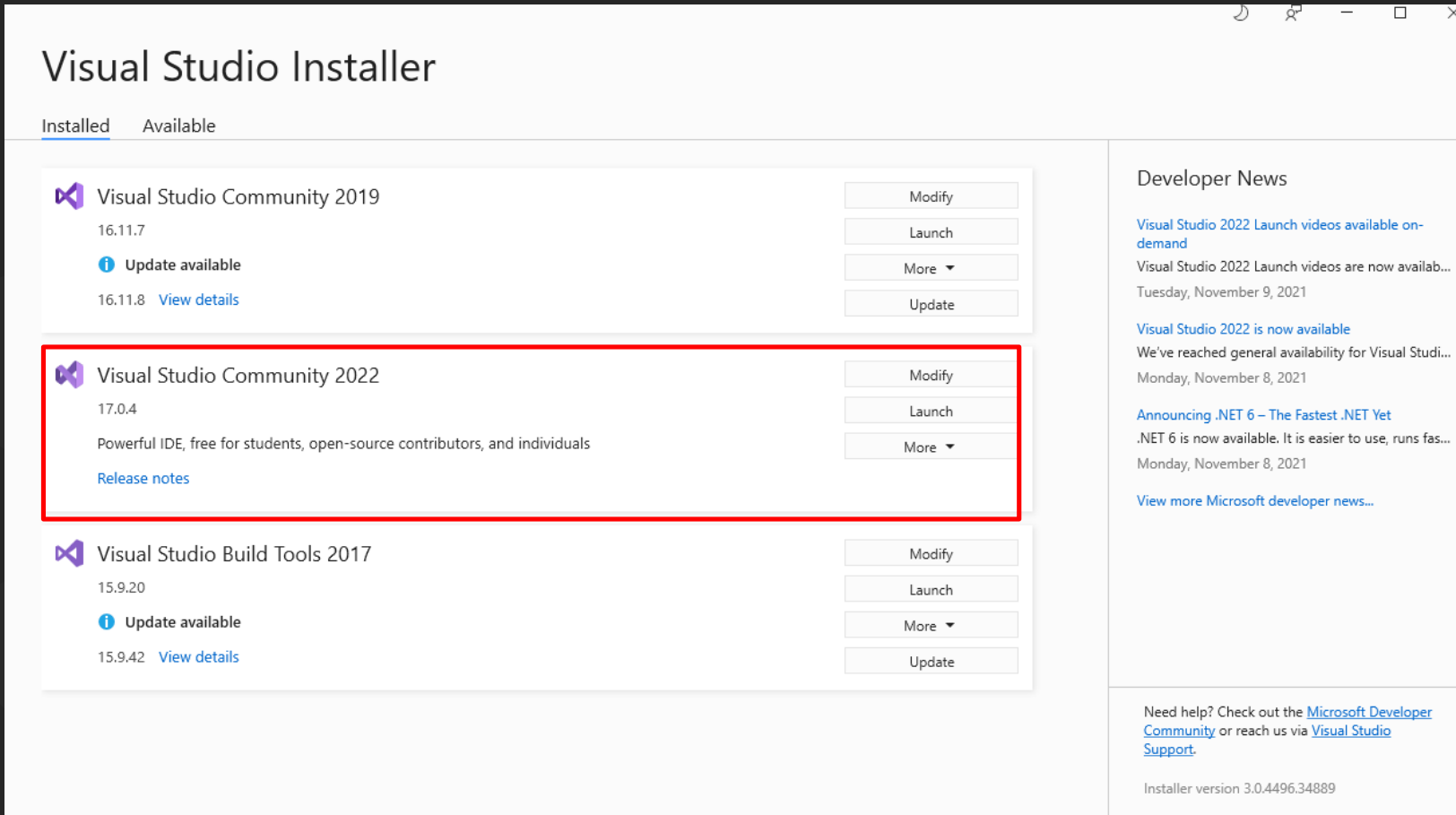
[Install while downloading](#) [Install](#)

# Step 7 – Change Installation Location (Optional)

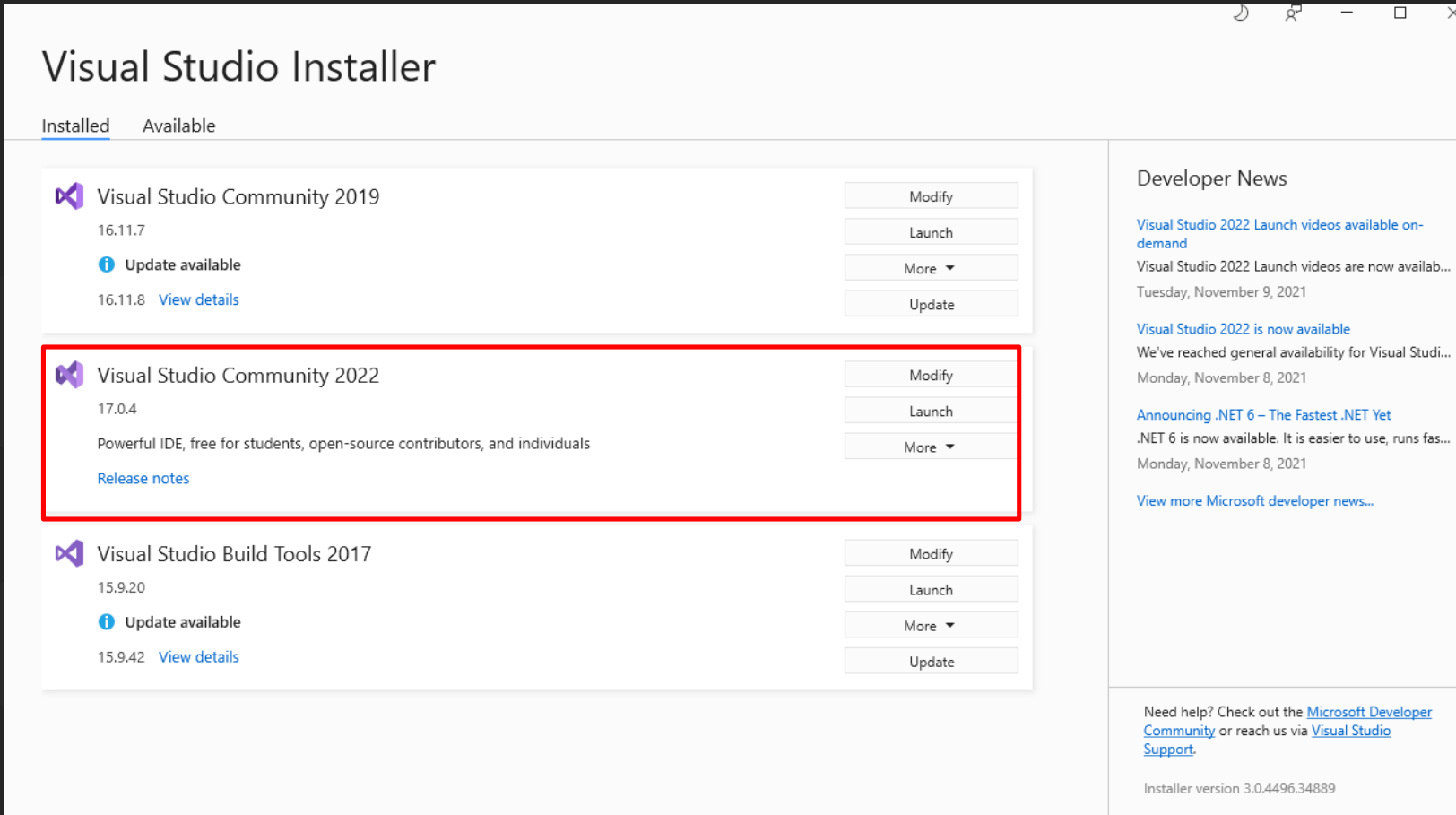




# Step 8 – Launch



# Step 8 – Launch



# Step 8 – Launch

## Visual Studio 2022

### Open recent

Search recent (Alt+S)



▸ Older

### 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 →](#)

Questions?