

# CSET Software Installation Guide

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# Arduino IDE

[Download](#)

## Description

The Arduino IDE allows you to create and upload software to the Arduino prototype boards.

Additional configuration may be required depending on the board.

## Installation Steps

1. Execute the installer
2. On the License Agreement Page, select “I Agree”
3. On the Installation Options page, leave defaults and select Next >
4. On the installation Folder page, select Install
5. When finished, select Close

# Atmel Studio

## [Download](#)

1. Select “Get the latest version of Atmel Studio from Microchip.”
2. Select the newest version of Atmel Studio offline installer

## Description

Atmel Studio is used to program Atmel SMART ARM and Atmel AVR microcontrollers.

## Installation Steps

1. Execute the installer
2. On the License terms and conditions page, check “I Agree...” and then select Next
3. On the Architecture page, select Next
4. On the Extensions page, select Next
5. On the System validation page, select Next
6. On the Device Header File Versions page, select Install
  - a. Driver installation windows will pop-up while installing. Allow them to install.
7. When finished installing, uncheck “Launch Atmel Studio” and select Close

## ChemSketch

Download (<http://www.acdlabs.com/resources/freeware/chemsketch/>)

1. Select “Freeware: One Installation”
2. Registration is required

### Description

ChemSketch is a drawing package for chemical structures.

### Installation Steps

1. Execute the installer
2. On the Welcome page, select Next >
3. On the End-User License Agreement page, select “I accept...” and then select Next >
4. On the Custom Setup page, select Next >
5. On the Programs Folder page, select Next >
6. On the ACD/LABS Software Option page, select Next >
7. On the review page, select Install
8. Select Finish when done

# Eclipse Oxygen

[Download](#)

## Description

Eclipse is a programming IDE often used for Java and other languages.

## Installation Steps

1. Launch the Installer
2. Select the appropriate version
3. Select Install
4. On the End User Agreement page, select Accept Now
5. Close installer when finished

# Fiddler

[Download](#)

## Description

Fiddler is a web debugging proxy.

## Installation Steps

1. Execute the installer
2. On the License Agreement page, select I Agree
3. On the Install Location page, select Install
4. Select Close when finished

# Git

## [Download](#)

## Description

Git is a version control system.

## Installation Steps

1. Execute the installer
2. On the information page, select Next >
3. On the Components page, select Next >
4. On the Path Environment page, select Next >
5. On the HTTPS transport backend page, select Next >
6. On the Configuring the line ending conversions page, select Next >
7. On the Configuring the terminal emulator page, select Next >
8. On the Extra Options page, select Install
9. When finished, uncheck View Release Notes and select Finish

# Icarus Verilog

[Download](#)

## Description

Verilog is a Verilog simulation and synthesis tool.

## Installation Steps

1. Execute the installer
2. On the License Agreement page, select I Accept and then Next
3. On the Information page, select Next >
4. On the Destination Location page, select Next >
5. On the Components page, select Next >
6. On the Start Menu page, select Next >
7. On the Information page, select Next >
8. On the Additional Tasks page, select Next >
9. On the Ready to Install page, select Install >
10. When finished, select Finish

# Java JDK

## [Download](#)

1. Select Download for the Java Platform (JDK)



2. Check “Accept License Agreement” above the downloads
3. Select the version for your operating system (probably Windows x64)

## Description

Java JDK includes tools for developing and testing programs.

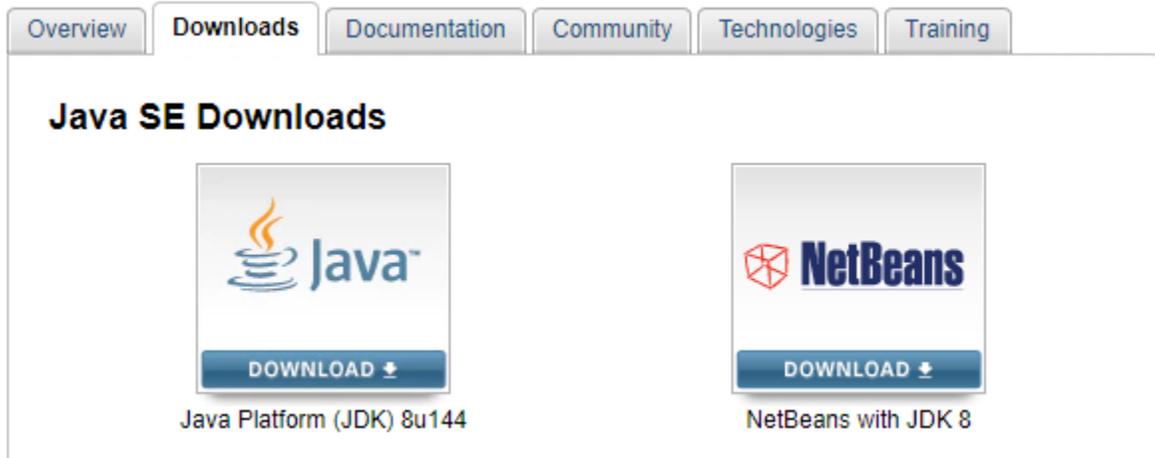
## Installation Steps

1. Execute the installer
2. On the Welcome Screen, select Next >
3. On the Custom Setup screen, select Next >
4. For the Destination Folder, select Next >
5. Once finished, select Close

# Java NetBeans

## [Download](#)

1. Select Download for NetBeans



2. Check “Accept License Agreement”
3. Download the version for you OS (most likely Windows x64)

## Description

NetBeans is a programming IDE that includes the Java JDK.

## Installation Steps

1. Execute the installer
2. On the Welcome screen, select Next >
3. On the Installation Folder screen, select Next >
4. On the second Installation Folder Screen, select Next >
5. On the Summary screen, select Install
6. When finished, select Close

# MySQL

## [Download](#)

Download the bigger MySQL Installer download



## Description

MySQL is a popular database manager.

## Installation Steps

1. Execute the installer
2. Check “I accept the license terms” and select Next>
3. Select Custom than Next >
4. Move the following products to “Products/Features To Be Installed:”
  - a. MySQL Servers
    - i. MySQL Servers
      1. MySQL Servers #.#
        - a. MySQL Server #.#.## - x64
    - b. Applications
      - i. MySQL Workbench

1. MySQL Workbench ##

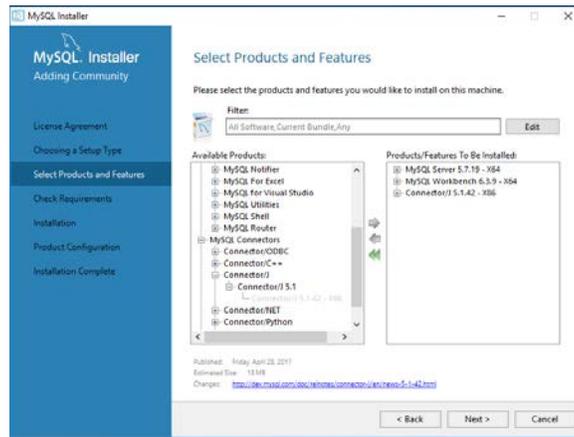
a. MySQL Workbench ### -X64

c. MySQL Connectors

i. Connector/J

1. Connector/J ##

a. Connector/J ### - X86



5. When all requirements are selected, select Next >

6. On the Check Requirements page, select Execute

a. This may prompt for other installers. Work through them.

7. Once all Requirements are met, select Next >

8. On the Installation page, select Execute

a. If MySQL Server fails to install but the other components succeed, finish the installer. [Visual C++ Redistributable Packages for Visual Studio 2013 x86](#), even if you are installing the 64-bit version of MySQL. Then restart the installer and install the missing component.

9. When finished install, select Next >

10. Select Next >

11. On the first Type and Networking page, leave as default and select Next >
12. On the second Type and Networking page, uncheck “Open Firewall port for network access” and select Next>
13. For the root password, use “password” and select Next >
14. On the Windows Service page, select Next >
15. On the Plugins and Extensions page, select Next >
16. On the Apply Configuration page, select Execute
17. When finished, select Finish
18. Select Next > and then Finish to close the installer

## Microsoft Office

Download: See installation steps.

### Description

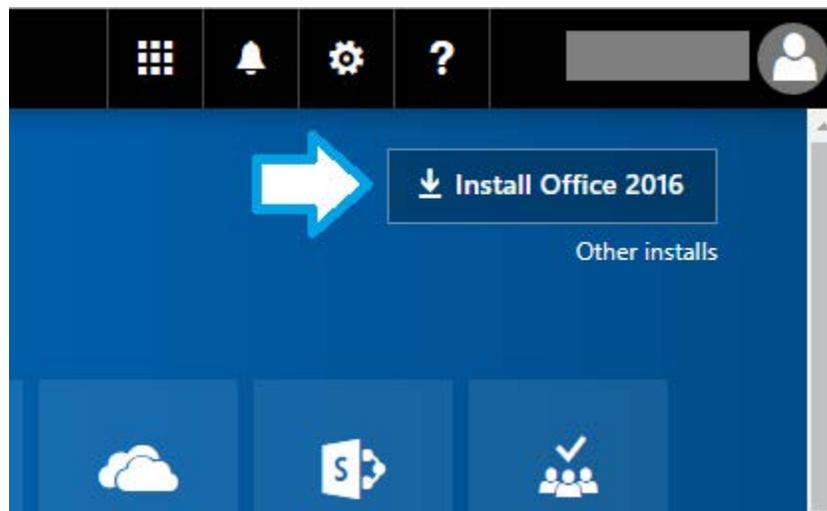
Students get Microsoft Office free. Microsoft Office includes Word, Excel, PowerPoint, Outlook, and more.

### Installation Steps

1. For new computers and computers with Office already installed, uninstall previous installations

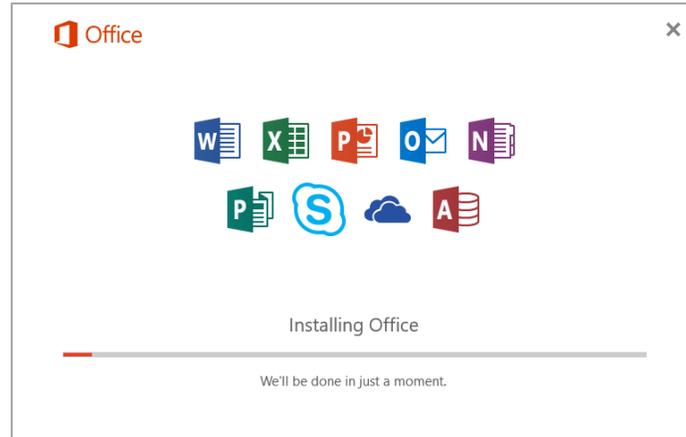
Copies of office already installed on your computer may interfere with the installation or functionality of your new Office install. New computers often have an Office trial install.

2. Go to <https://portal.office.com>
3. Use your OIT email address and OIT password to log in
4. Select “Install Office 2016” in the top right corner



5. Execute the download

6. The download will start installing



7. Once finished, select Close

## Notepad++

### [Download](#)

Download the 32-bit version

### Description

Notepad++ is a text editor that offers a number of features compared to Windows Notepad. These features include text markup, multiple tabs, and add-ons. Download the 32-bit version. Most add-ons do not work in the 64-bit version.

### Installation Steps

1. Start the installer
2. Select your language and press OK
3. On the Welcome page, select Next >
4. Select I Agree if you agree to license agreement
5. On the Install Location, Select Next
6. On the Components screen, select Next >
7. On the second components screen, select Install
8. When finished, select Finish

# Python

## Download

1. Select Downloads
2. Select the latest version

## Description

Python is a programming language. Installing Python does not install an IDE.

## Installation Steps

1. Start the installation
2. Check “Add Python #.# to PATH” and then Install Now



3. When finished, select Close

# Visual Studio Community

## [Download](#)

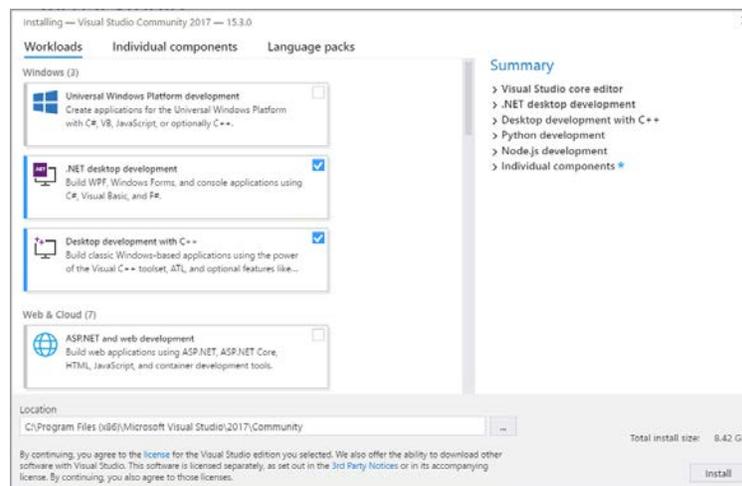
Download the Visual Studio Community edition

## Description

Visual Studio is a complete IDE that offers components for many languages. Community has some restrictions over enterprise.

## Installation Steps

1. Execute Installer
2. Select Continue
3. For workloads, select .NET desktop development, Desktop development with C++, Python development, and Node.js development
  - a. Remove or add workloads as needed



4. Select Install
5. Close installer when finished

# Visual Studio Enterprise

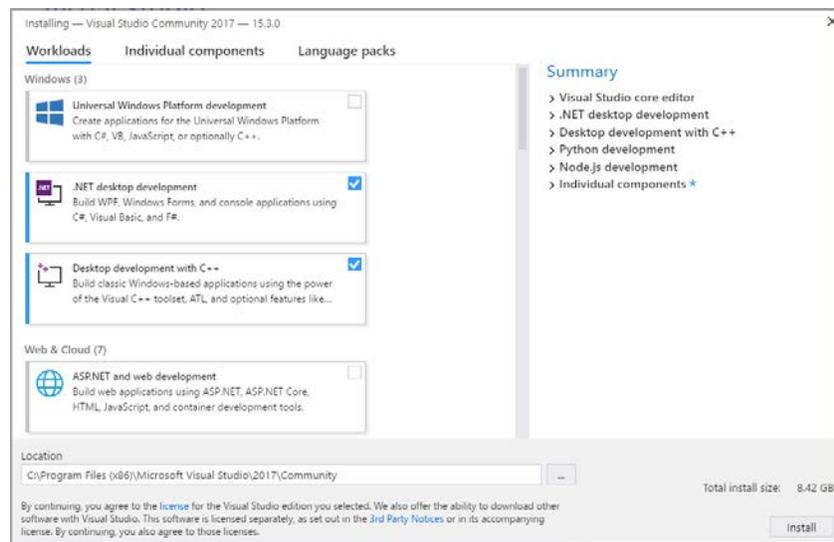
Download from Imagine

## Description

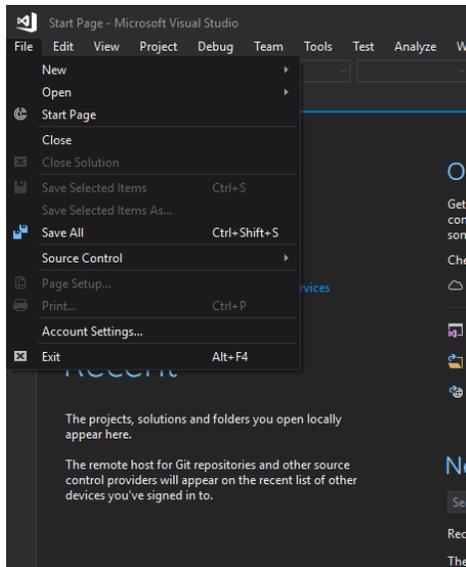
Visual Studio is a complete IDE that offers components for many languages. Enterprise offers a few extra features than community.

## Installation Steps

1. Execute Installer
2. Select Continue
3. For workloads, select .NET desktop development, Desktop development with C++, Python development, and Node.js development
  - a. Remove or add workloads as needed



4. Select Install
5. Close Installer
6. Launch Visual Studio and work through the welcome screens
7. From the main menu, select File and Account Settings...



8. Enter the License key that you obtained from Microsoft Imagine