

Install AVR

C++ for Developers

Content

- Windows installation guide
- Mac installation guide

Windows installation guide

C++ for Developers

Step 1: Download the avr zip file

Go to this link here:

<https://github.com/ZakKemble/avr-gcc-build/releases/tag/v15.2.0-1>

Download the recommended release for AVR.

Step 2: Create a folder

Create a folder in C:/ called avr.

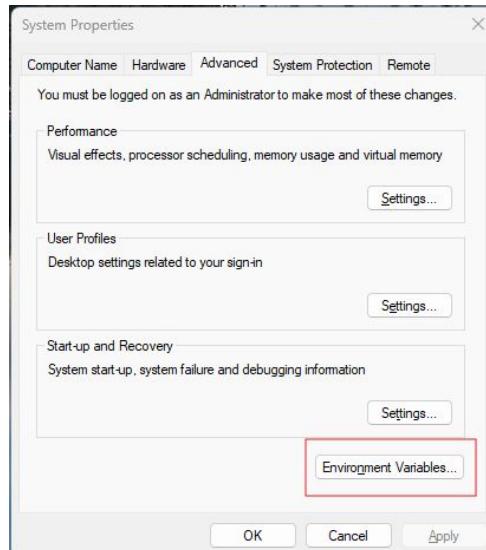
The path to this folder should be something like C:/avr

Step 3: Extract the files from the zip

Extract the files from the zip to C:/avr

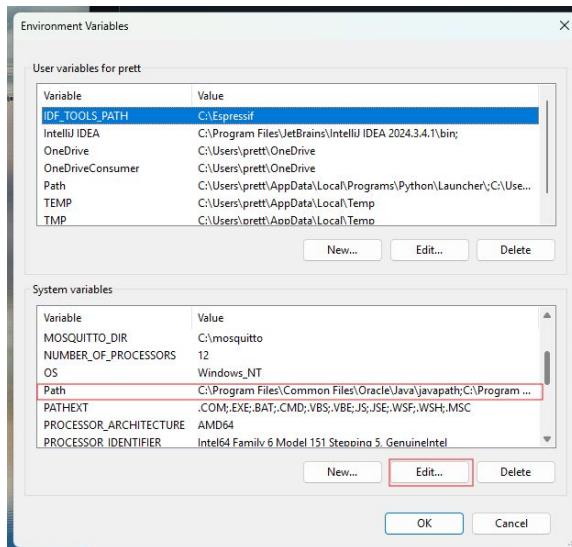
Step 4.1: Add C:/avr/bin to path

Open up “Edit the system environment variables”. Then click Environment Variables...



Step 4.2: Add C:/avr/bin to path

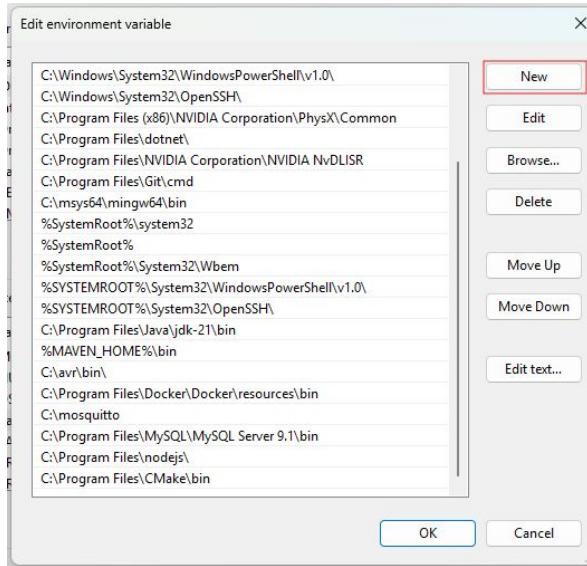
Open up the path variables by selecting Path under System variables and then click “Edit”



Step 4.3: Add C:/avr/bin to path

Press “New” and enter the path to C:\avr\bin

Press OK on every window you have opened up! Do not close - press OK!



AVR is now added

You now have the AVR library installed. This both include:

- Libraries used for developing on AVR chips
- AVRdude which is used to flash your devkit

Mac Installation

C++ for Developers

Step 1: Install Homebrew

Check if you have already installed it by writing the command:
brew --version

If that returns a version number, you already have it installed.

Otherwise follow this guide:

<https://www.geeksforgeeks.org/installation-guide/homebrew-installation-on-macos/>

Step 2: Download AVR-GCC

Use the following command to install:

brew install avr-gcc

After the installation write this command:

avr-gcc --version

If this returns a prompt that contains a version, you have installed the avr library and compiler.

Step 3: Download avrdude

Do the following command:

brew install avrdude

Then check that it is installed by doing:

avrdude -v

Linux installation

C++ for Developers

I know you can do it!

Since the commands are different depending on distro I will not make a detailed step by step. Make sure to download the following:

- avr-gcc
- avr-libc
- avrdude

As always follow the standard praxis when installing for Linux-based systems:

1. Update
2. Download
3. Check version

