




CMake Installation


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Get the Software

You can either download binaries or source code archives for the [latest stable](#) or [previous releases](#), or access the [current development](#) (aka nightly) distribution through Git. This software may not be exported in violation of any U.S. export laws or regulations. For more information regarding Export Control matters, please visit our [Legal page](#).

- Latest Release
- Previous Release
- Alternative Binary Releases
- Older Releases
- Editor Syntax Files
- Current Development Distribution

CMake Resources

Whether you are just getting started or are already part of the CMake community, check out our helpful resources page.

Latest Release (3.27.6)

The release was packaged with CPack which is included as part of the release. The .sh files are self extracting gzipped tar files. To install a .sh file, run it with /bin/sh and follow the directions. The OS-machine.tar.gz files are gzipped tar files of the install tree. The OS-machine.tar.Z files are compressed tar files of the install tree. The tar file distributions can be untared in any directory. They are prefixed by the version of CMake. For example, the linux-x86_64 tar file is all under the directory cmake-linux-x86_64. This prefix can be removed as long as the share, bin, man and doc directories are moved relative to each other. To build the source distributions, unpack them with zip or tar and follow the instructions in README.rst at the top of the source tree. See also the [CMake 3.27 Release Notes](#).

Source distributions:

Download the binary distribution “Windows x64 Installer”

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Source distributions:

Platform	Files
Unix/Linux Source (has \n line feeds)	cmake-3.27.6.tar.gz
Windows Source (has \r\n line feeds)	cmake-3.27.6.zip

Binary distributions:

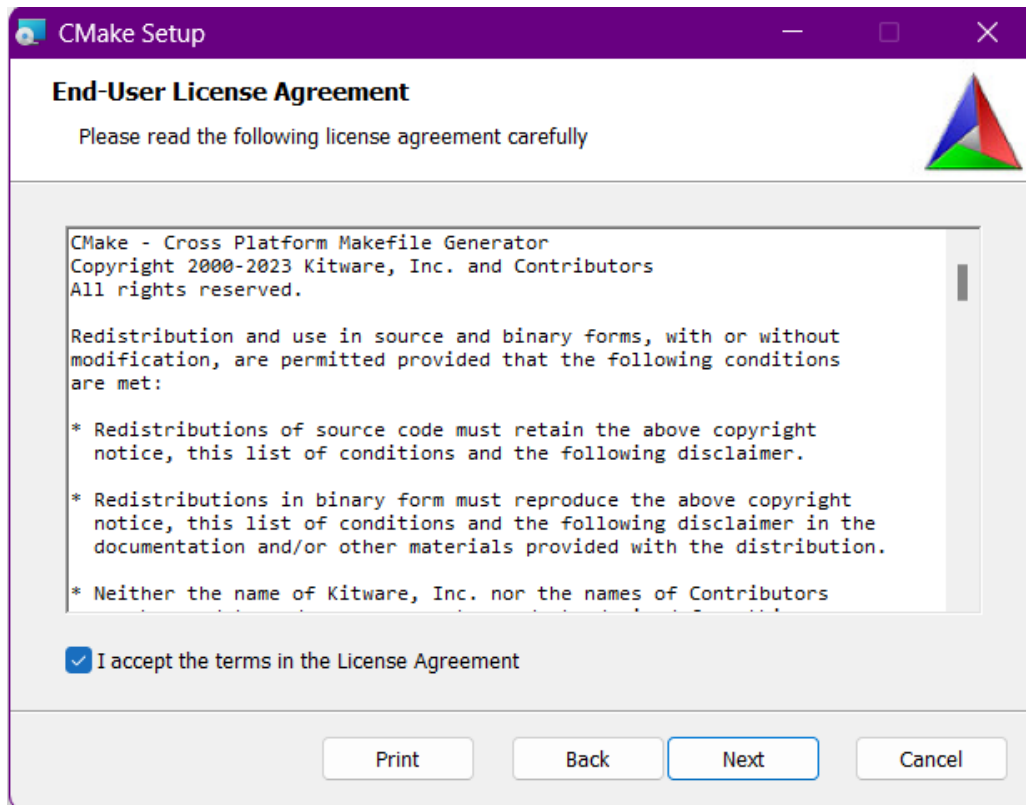
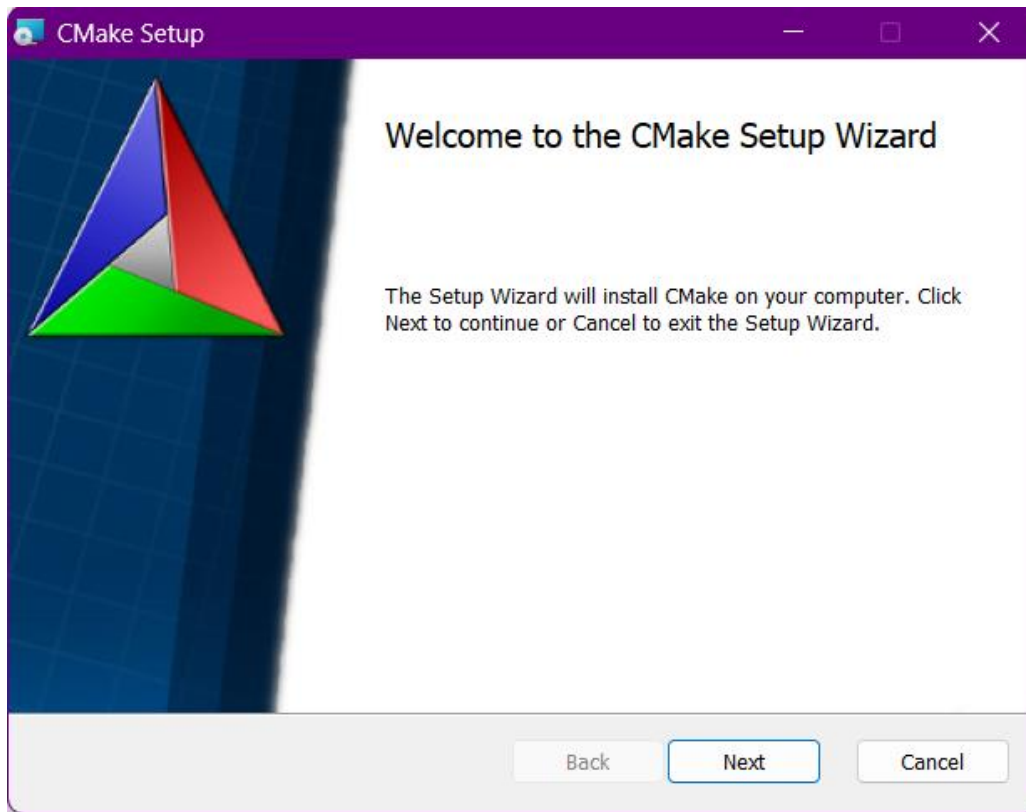
Platform	Files
Windows x64 Installer:	cmake-3.27.6-windows-x86_64.msi
Windows x64 ZIP	cmake-3.27.6-windows-x86_64.zip
Windows i386 Installer:	cmake-3.27.6-windows-i386.msi
Windows i386 ZIP	cmake-3.27.6-windows-i386.zip
Windows ARM64 Installer:	cmake-3.27.6-windows-arm64.msi
Windows ARM64 ZIP	cmake-3.27.6-windows-arm64.zip
macOS 10.13 or later	cmake-3.27.6-macos-universal.dmg
	cmake-3.27.6-macos-universal.tar.gz
macOS 10.10 or later	cmake-3.27.6-macos10.10-universal.dmg

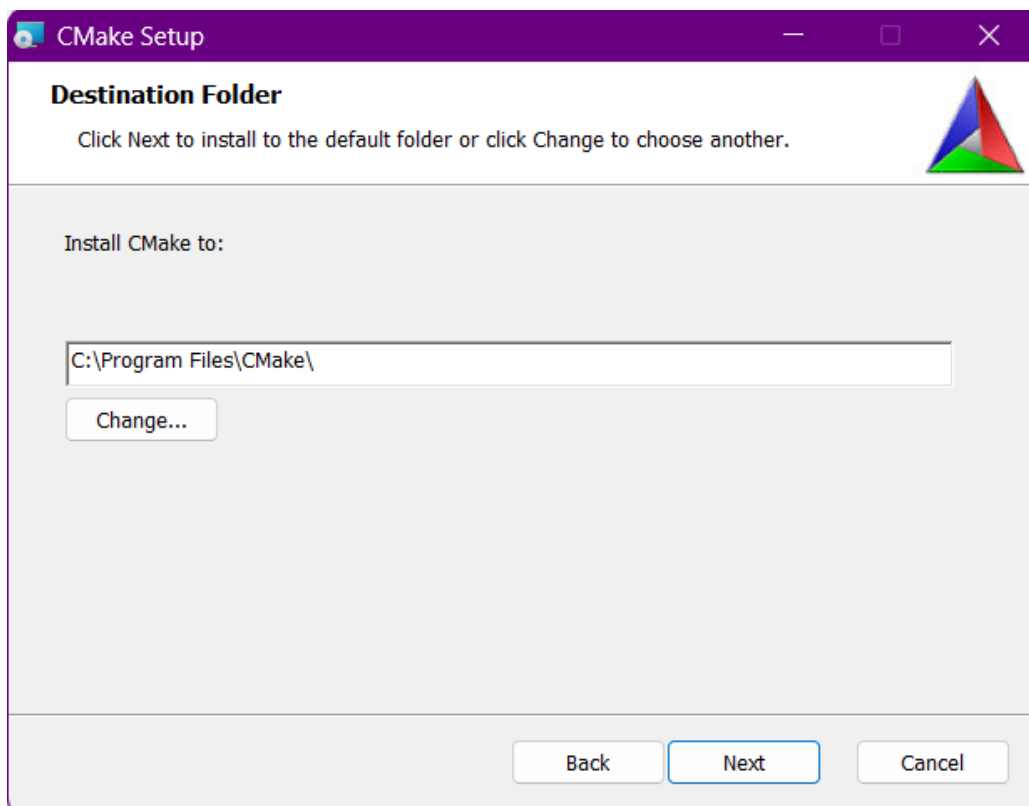
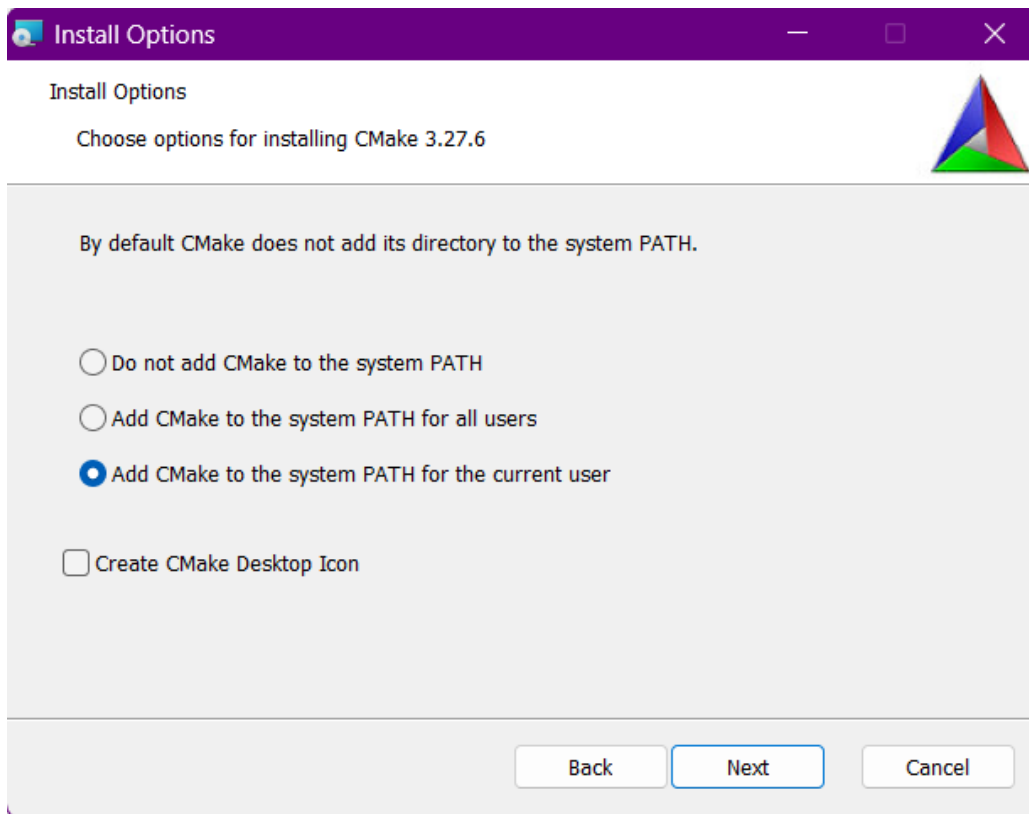
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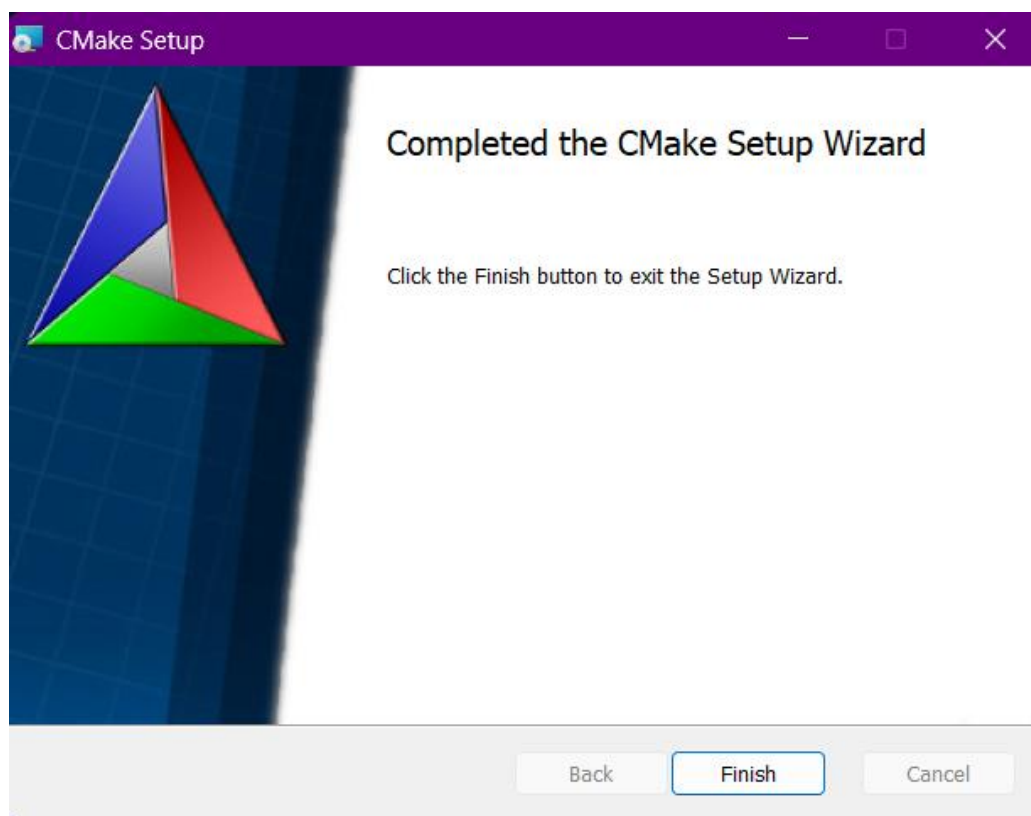
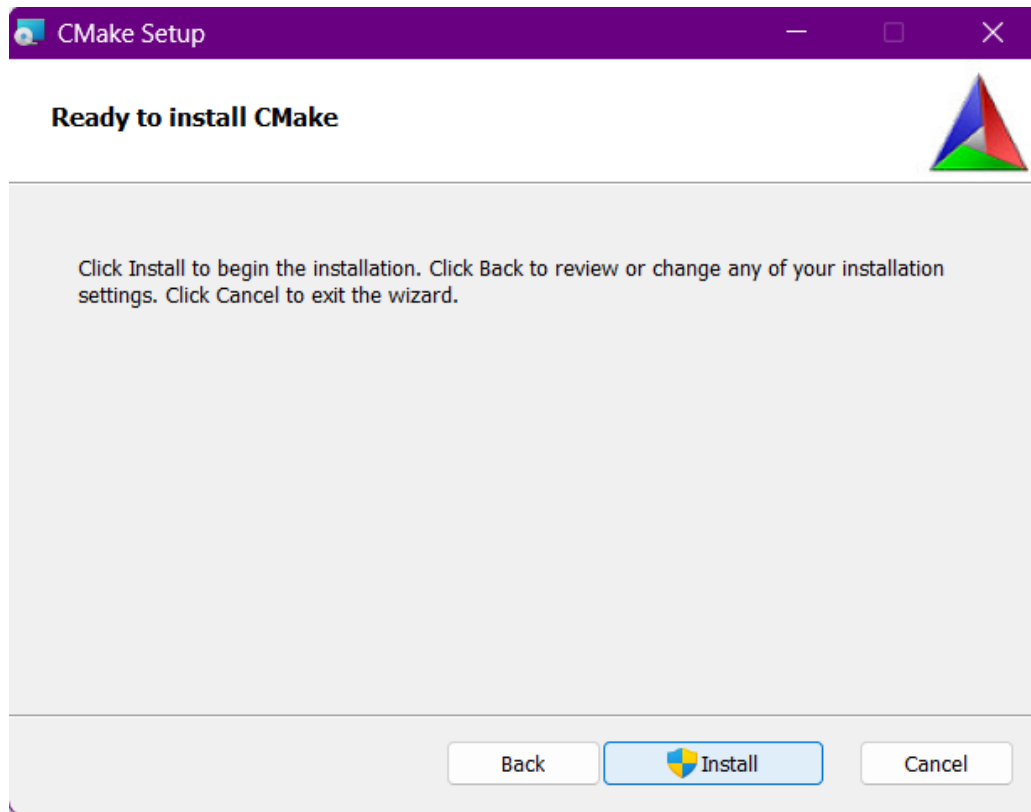
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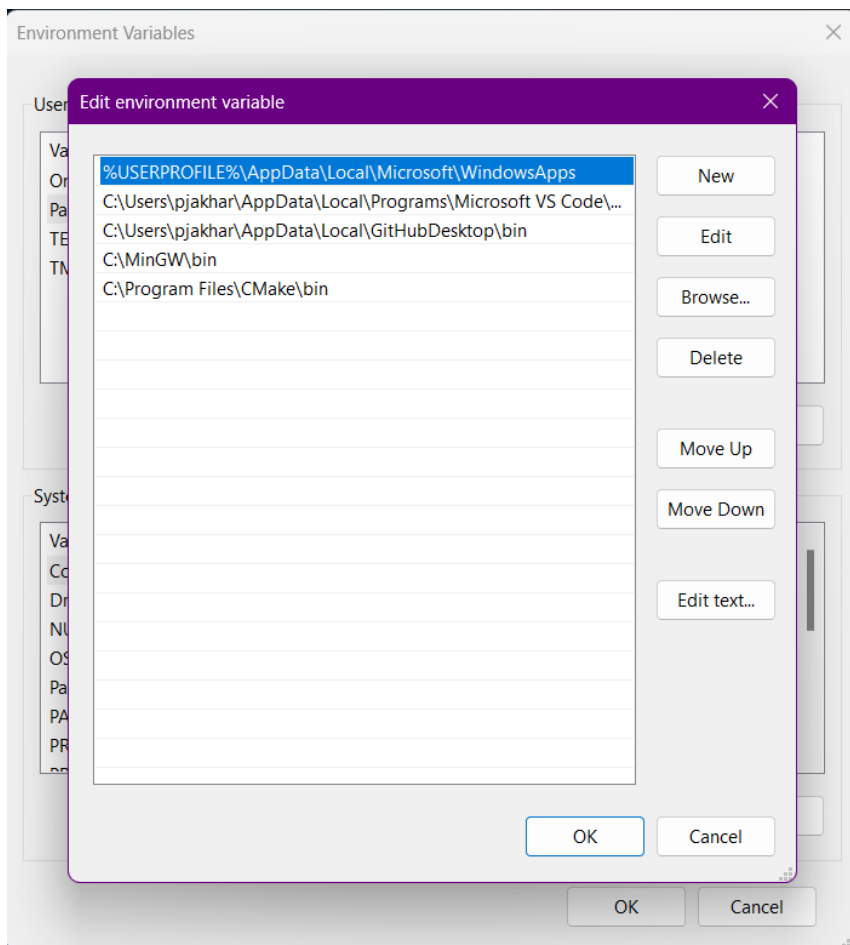
Open the installer and follow the instructions on screen to install.







Once finished, verify cmake is added to system PATH



Verify CMake is recognized by running a simple command in command prompt

```
Command Prompt
Microsoft Windows [Version 10.0.22621.2070]
(c) Microsoft Corporation. All rights reserved.

C:\Users\pjakhar>cmake --help
Usage

  cmake [options] <path-to-source>
  cmake [options] <path-to-existing-build>
  cmake [options] -S <path-to-source> -B <path-to-build>

Specify a source directory to (re-)generate a build system for it in the
current working directory. Specify an existing build directory to
re-generate its build system.

Options
  -S <path-to-source>           = Explicitly specify a source directory.
  -B <path-to-build>            = Explicitly specify a build directory.
  -C <initial-cache>            = Pre-load a script to populate the cache.
  -D <var>[:<type>]=<value>     = Create or update a cmake cache entry.
  -U <globbing_expr>           = Remove matching entries from CMake cache.
  -G <generator-name>          = Specify a build system generator.
  -T <toolset-name>            = Specify toolset name if supported by
                                generator.
  -A <platform-name>           = Specify platform name if supported by
                                generator.
  --toolchain <file>            = Specify toolchain file
                                [CMAKE_TOOLCHAIN_FILE].
  --install-prefix <directory> = Specify install directory
                                [CMAKE_INSTALL_PREFIX].
  -Wdev                         = Enable developer warnings.
```