



Workshop on Synopsys ARC CPU with TensorFlow Lite

Tutorial 1 – Environment Installation

主辦單位:國立清華大學電機系、新思科技

協辦單位:智慧製造電子應用聯盟

指導單位:教育部資訊及科技教育司

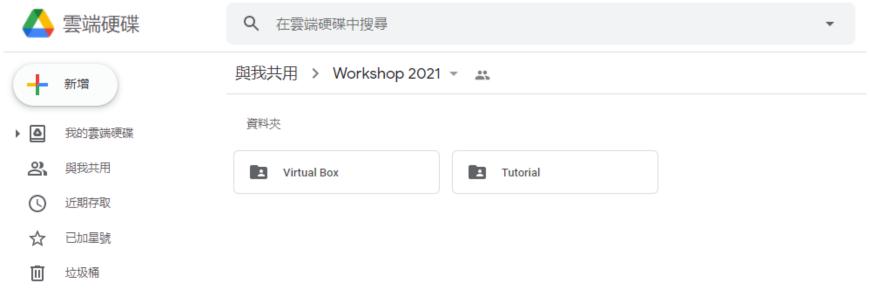
Download

Workshop Google Drive:

Copy the link below and search it in Google

Do **not** just click it!

https://drive.google.com/drive/folders/15gbcCkZDxUxflTWtAprPqlHkD 5nbxKjP?usp=sharing



2021 Workshop on Synopsys ARC CPU with TensorFlow Lite







Install VirtualBox



 https://www.virtualbox.org/wiki/Downloads?fbclid=IwAR12O6-1e_Dg00CFt4xuChqjJSuGKQwgVZDZa3Ml-I2QojYsEq9ILe3bWLQ



About

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Technical docs

Contribute

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VirtualBox

Download VirtualBox

Here you will find links to VirtualBox binaries and its source code.

VirtualBox binaries

By downloading, you agree to the terms and conditions of the respective license.

If you're looking for the latest VirtualBox 6.0 packages, see VirtualBox 6.0 builds. Please also use version 6.0 if you need

If you're looking for the latest VirtualBox 5.2 packages, see VirtualBox 5.2 builds. Please also use version 5.2 if you still

VirtualBox 6.1.18 platform packages

⇒Windows hosts

- Prop A Hosts
- Linux distributions
- ➡Solaris hosts
- ➡Solaris 11 IPS hosts

The binaries are released under the terms of the GPL version 2.

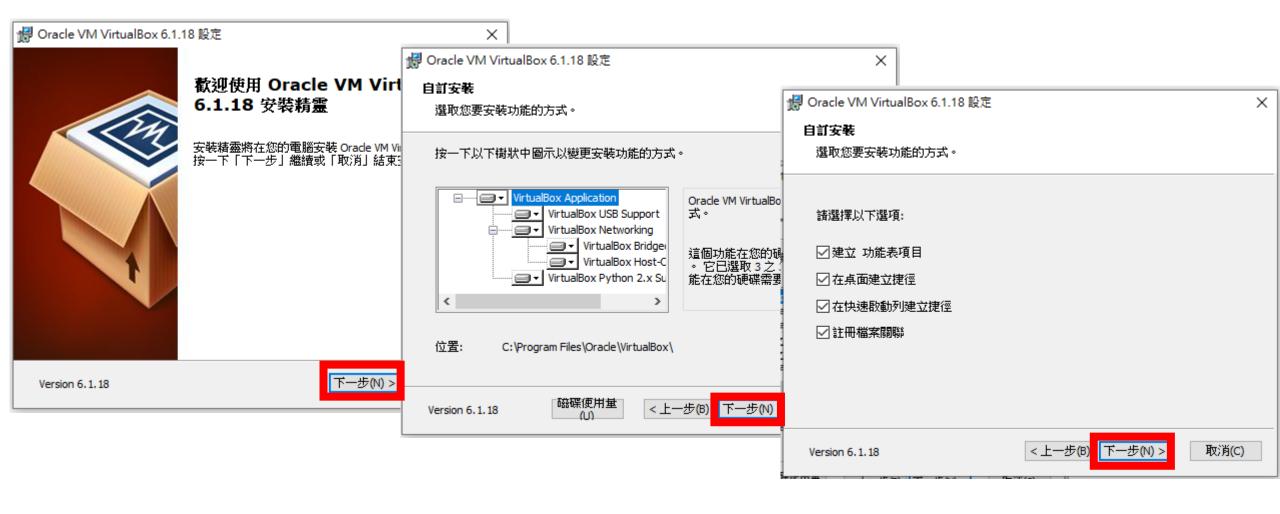
See the changelog for what has changed.

You might want to compare the checksums to verify the integrity of downloaded packages. The SHA256 checksums should be compared to the checksums of the checksum of the checksum

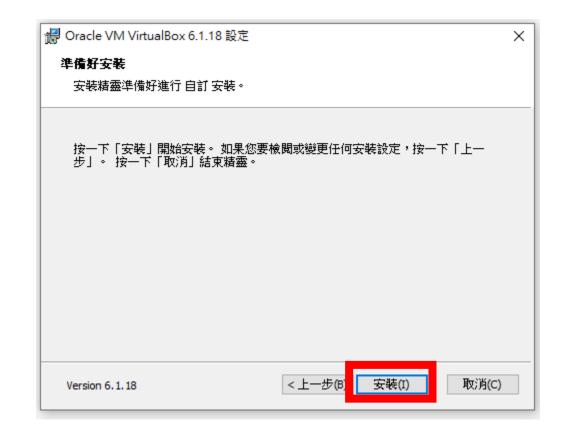
· SHA256 checksums, MD5 checksums

Note: After upgrading VirtualBox it is recommended to upgrade the guest additions as well.

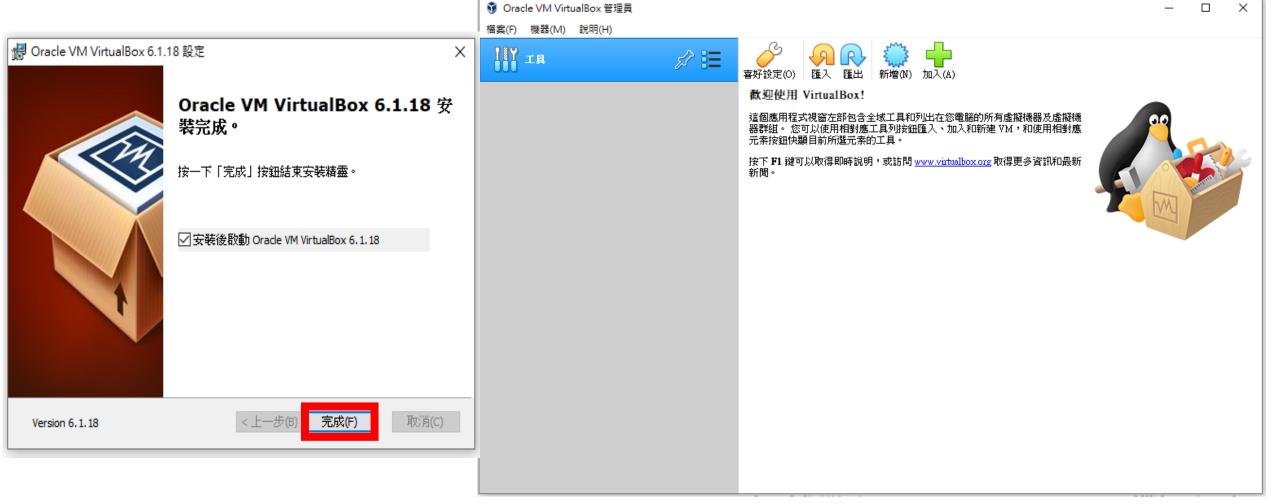
















Install Cygwin



Go to https://cygwin.com/install.html

Cygwin

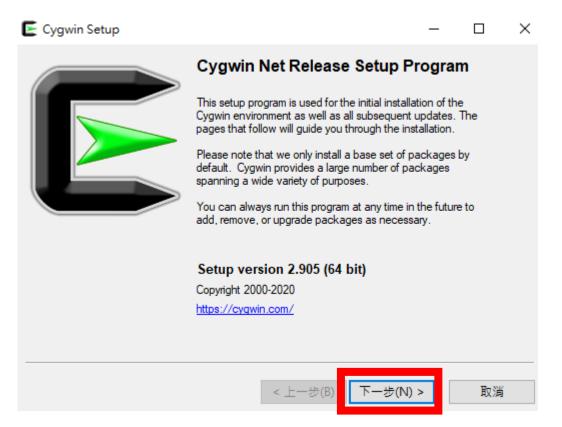
Get that Linux feeling - on Windows

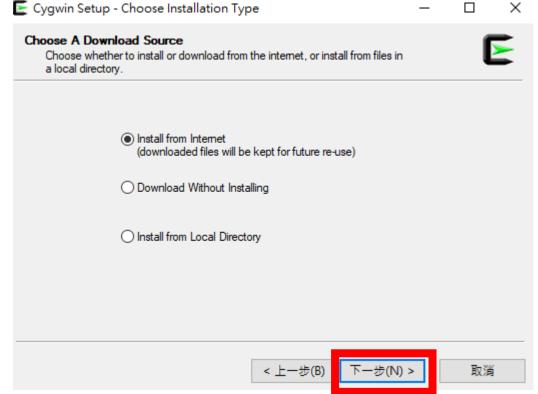
Installing and Updating Cygwin Packages

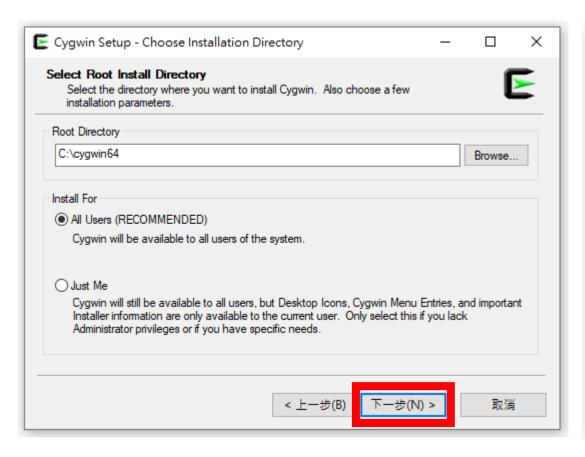
Installing and Updating Cygwin for 64-bit versions of Windows

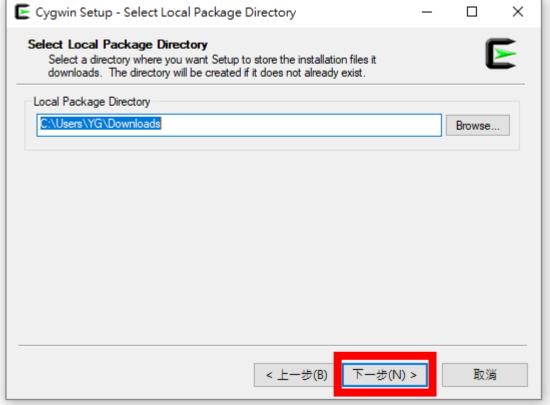
Run setup-x86_64.exe any time you want to update or install a Cygwin package for 64-bit windows. The signature for setup-x86_64.exe can be used to verify the validity of this binary.

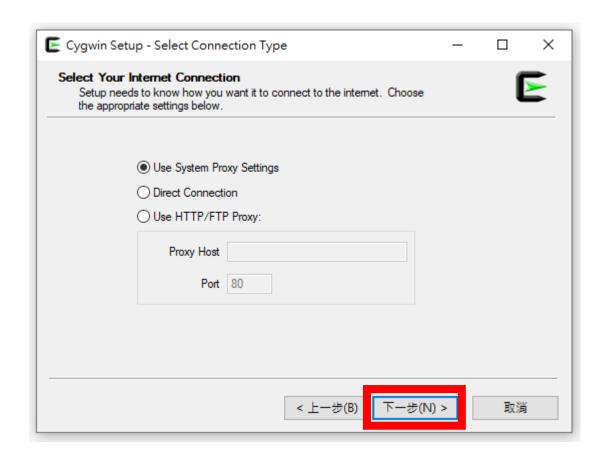


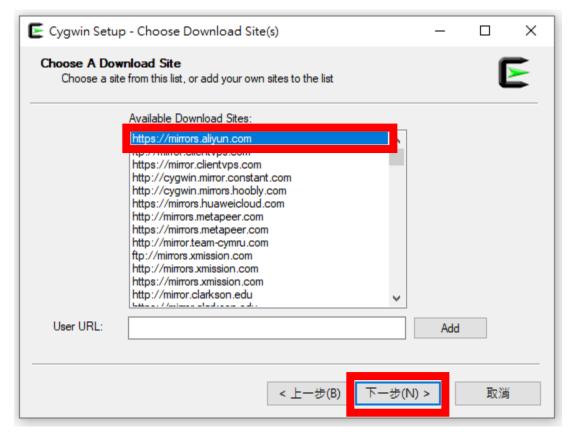




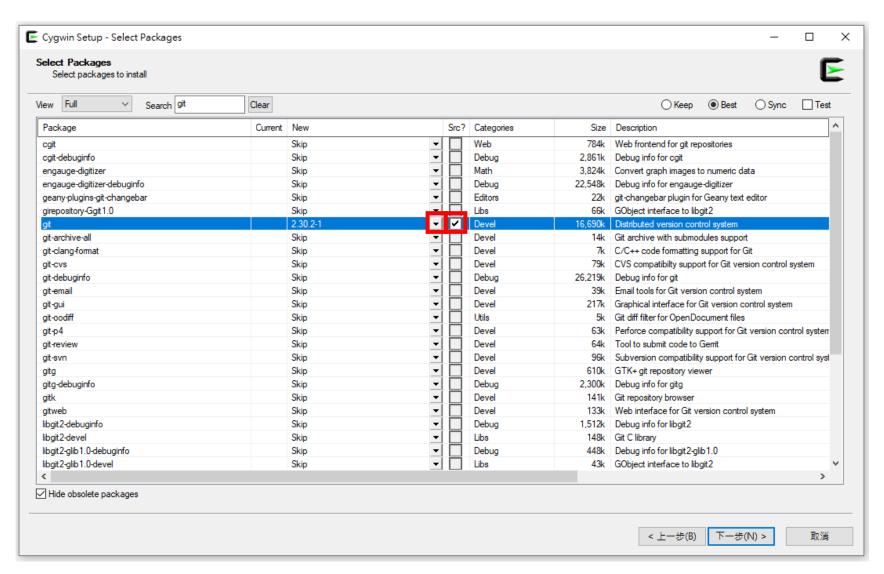




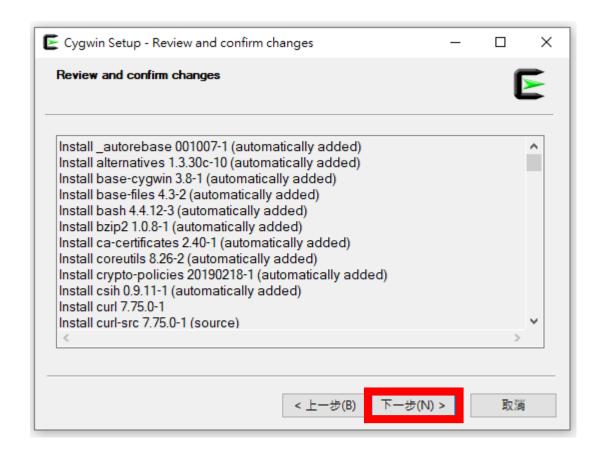


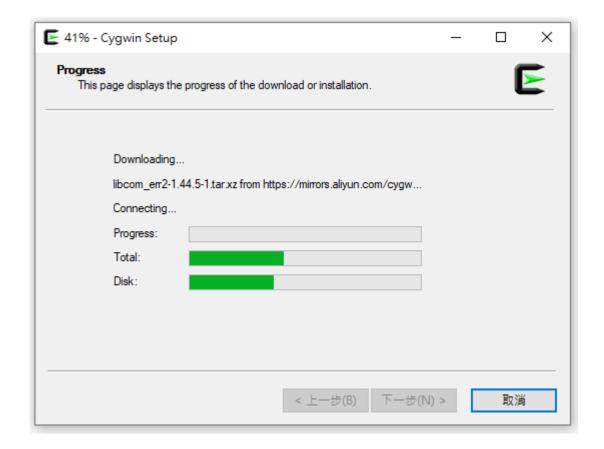


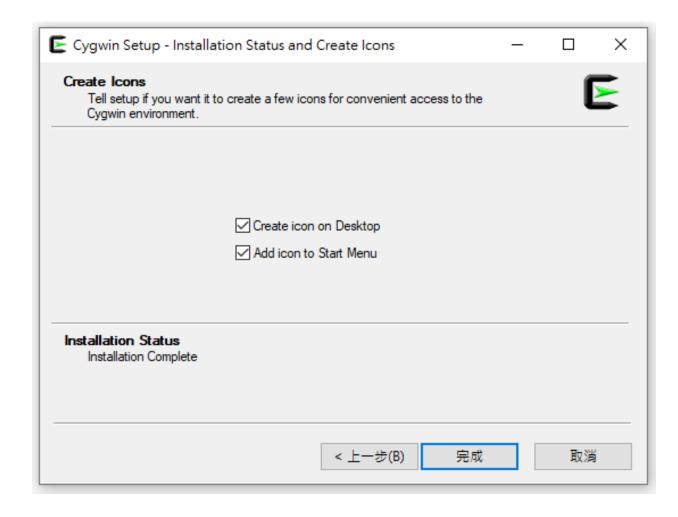
Search: git, xxd, make, unzip, curl E Cygwin Setup - Select Packages Select Packages Select packages to install git Best Search Package Current New Src? Categories Size Description Web Skip 784k Web frontend for git repositories cgit-debuginfo Skip Debua 2,861k Debug info for cgit Math engauge-digitizer Skip 3,824k Convert graph images to numeric data engauge-digitizer-debuginfo Skip Debug 22,548k Debug info for engauge-digitizer Skip git-changebar plugin for Geany text editor geany-plugins-git-changebar Editors girepository-Ggit 1.0 Skip Libs 66k GObject interface to libgit2 Devel 7.034k Distributed version control system git-archive-all Skip 14k Git archive with submodules support Devel 7k C/C++ code formatting support for Git git-clang-format Skip Devel git-cvs Skip Devel 79k CVS compatibility support for Git version control system ait-debuginfo Skip Debug 26,219k Debug info for git git-email Skip Devel 39k Email tools for Git version control system Skip Devel 217k Graphical interface for Git version control system git-gui 5k Git diff filter for Open Document files git-oodiff Skip Utils git-p4 Skip Devel Perforce compatibility support for Git version control system ait-review Skip Devel 64k Tool to submit code to Gerrit git-svn Skip Devel 96k Subversion compatibility support for Git version control syst Skip Devel 610k GTK+ git repository viewer gitg-debuginfo Skip Debua 2,300k Debug info for gitg Skip Devel Git repository browser aitweb Skip Devel 133k Web interface for Git version control system libgit2-debuginfo Skip 1,512k Debug info for libgit2 Debug libait2-devel Skip Git C library Skip libgit2-glib1.0-debuginfo Debua 448k Debug info for libgit 2-glib 1.0 libgit2-glib1.0-devel Skip Libs 43k GObject interface to libgit2 ✓ Hide obsolete packages < 上一步(B) 下一步(N) > 取消



- 1. 按 🖃 選擇最新版本
- 2. 打勾
- 3. 請重複以上步驟在Search的 欄位依序搜尋: git, xxd, make, unzip, curl 且選擇版本&打勾
- 4. 上述完成後再按 下一步(N)>











Install Teraterm



Go to https://ttssh2.osdn.jp/index.html.en

Tera Term Home Page



TeraTerm Project

TeraTerm Project would have been developed terminal emulator "Tera Term" and SSH module "TTSSH". This software is open source softwar in <u>Project Page</u> on OSDN.

Download

Latest version is available from OSDN download page. Current latest release is 4.105.

If you can get latest development version, the source code is available from <u>SVN repository</u>. And <u>snapshot</u> is here. Here is the <u>Old release</u>, however we recommend using the latest release as possible.

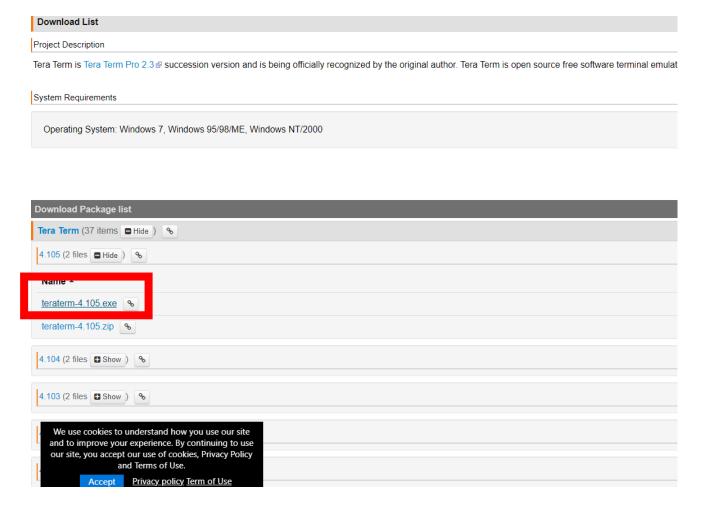
Manual

Following manuals are available.

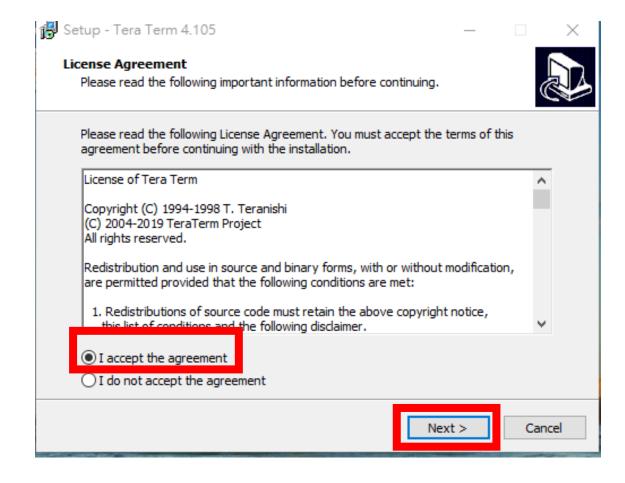
These manuals are the latest contents. New feature not including the release version will be written. However, a user can check next version contents. Tera Term developer can preliminarily respond the user request.



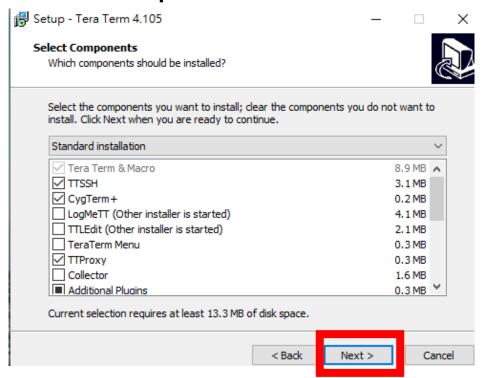
Download teraterm-4 .105.exe

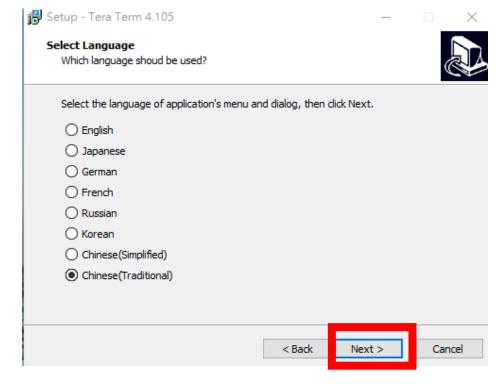


Accept the agreement after reading it and select next

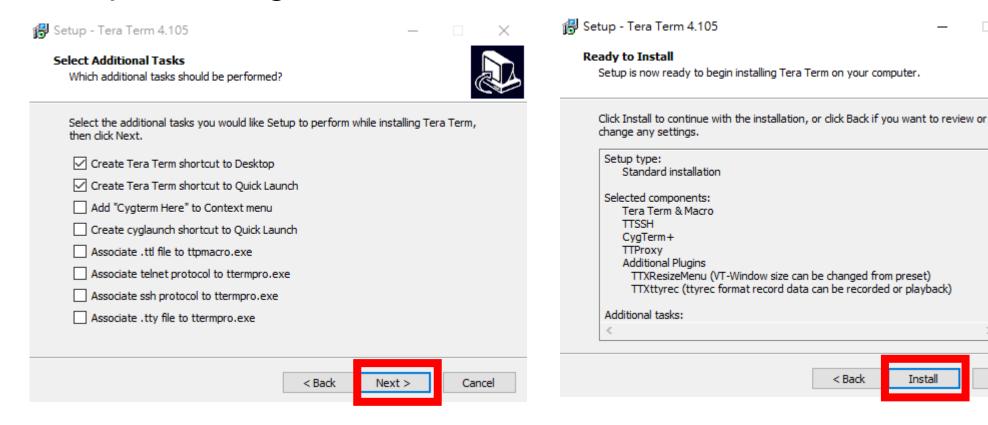


Keep selecting Next
English or Chinese(Traditional) is recommended in this workshop



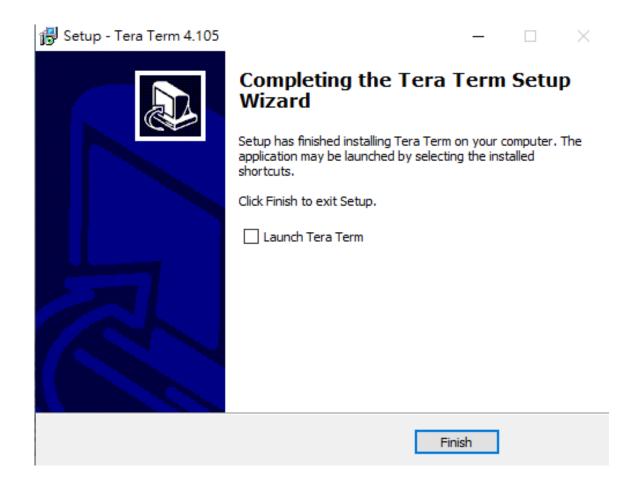


Keep selecting Next and install



Cancel

Done







Install ARC GNU ToolChain

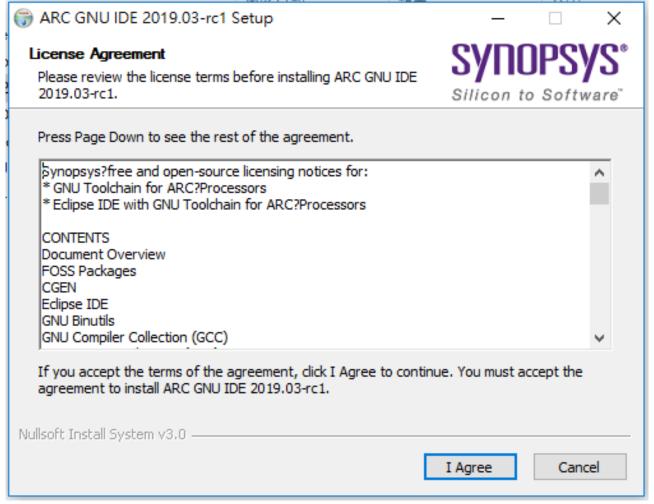


Step 1 – Go to the download page :

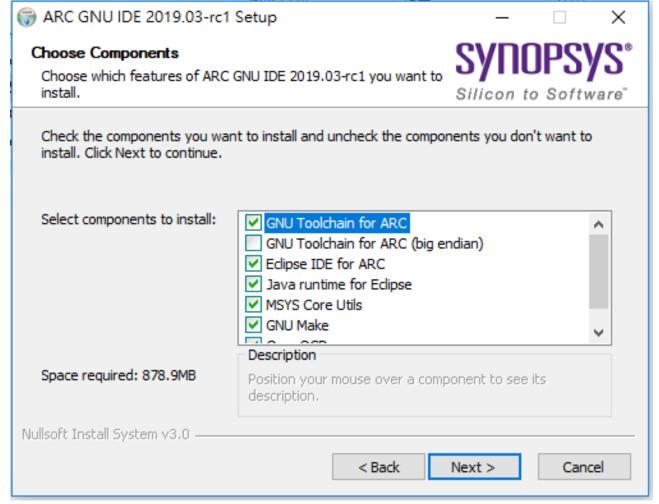
https://github.com/foss-for-synopsys-dwc-arc-processors/toolchain/releases/

	Linux x86_64	Windows x86_64	Linux ARC HS	macOS x86_64
Baremetal	Little endian \ Big endian			Little endian \ Big endian
Linux/uClibc ARC700	Little endian \ Big endian			
Linux/uClibc ARC HS	Little endian \ Big endian		Little endian	
Linux/glibc ARC HS	Little endian \ Big endian			
IDE	Download	Download		Download

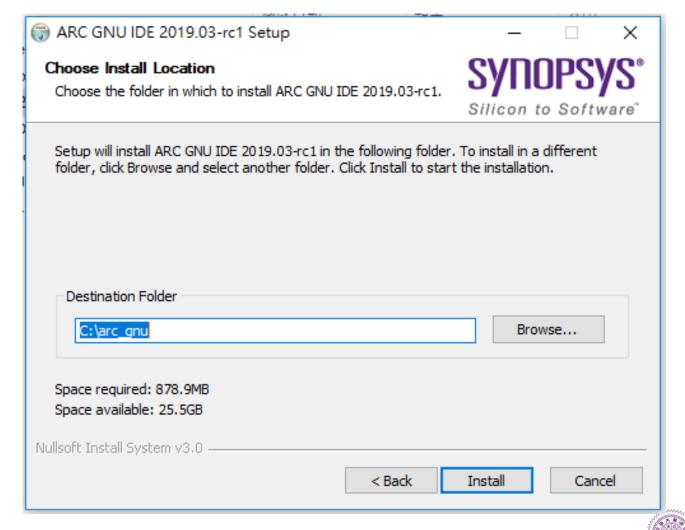
Step 2 – Double click the installation file and press I Agree



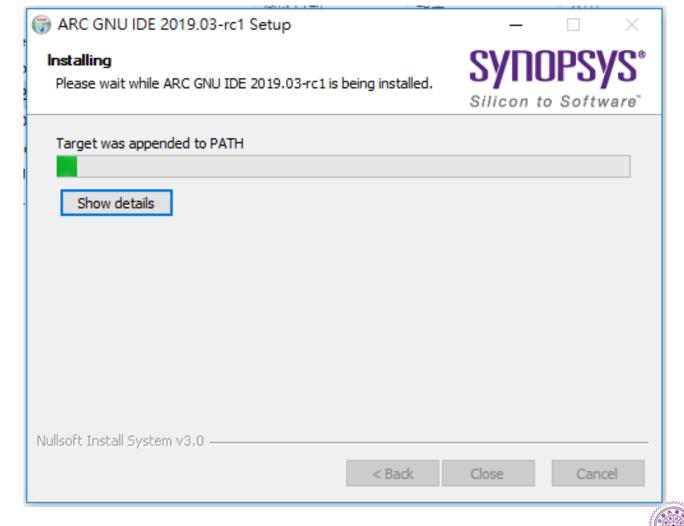
Step 3 – Press Next



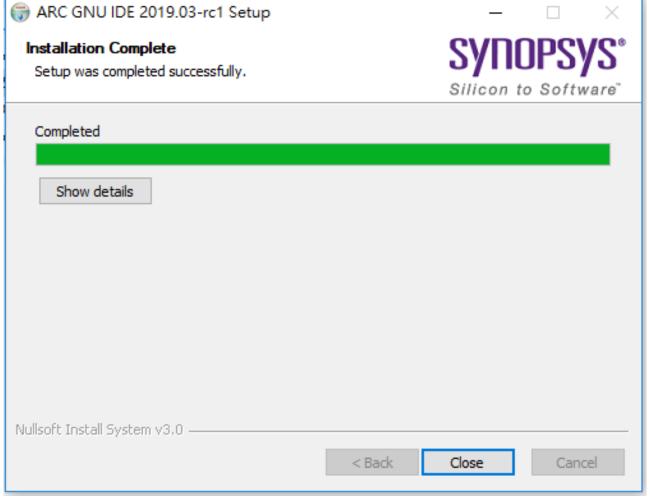
Step 4 – Press Install



Step 5 – Start to install...



Step 6 - Press close and complete the installation





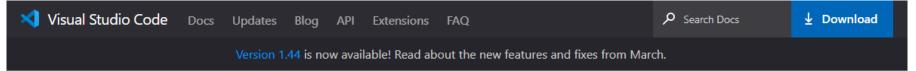


Install VScode



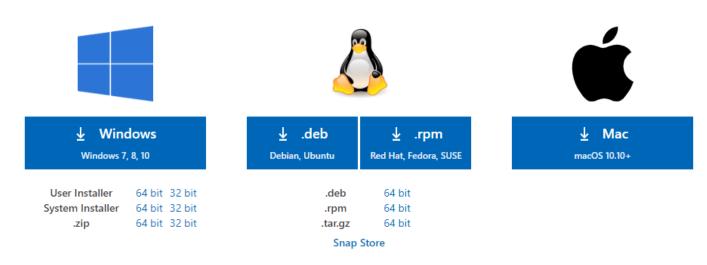
Step 1 – Go to download page of VScode :

https://code.visualstudio.com/download



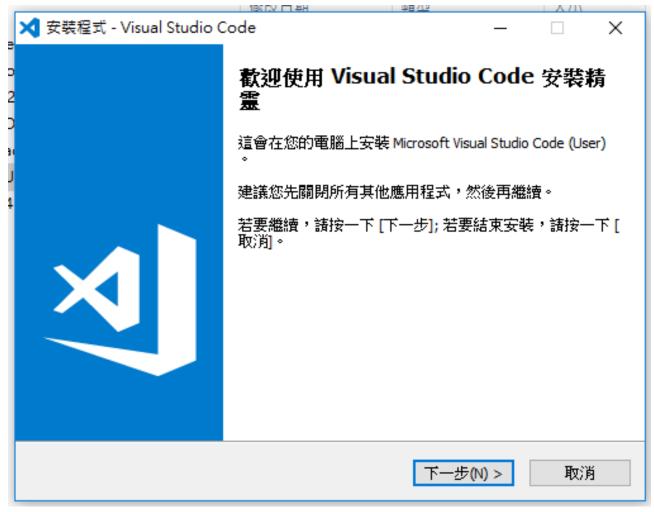
Download Visual Studio Code

Free and built on open source. Integrated Git, debugging and extensions.

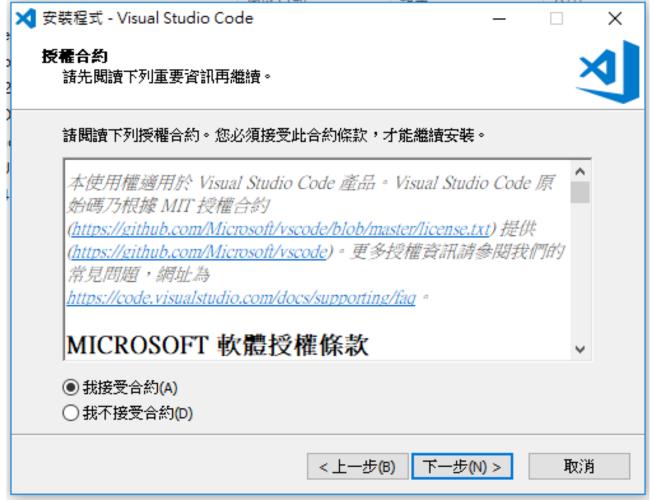




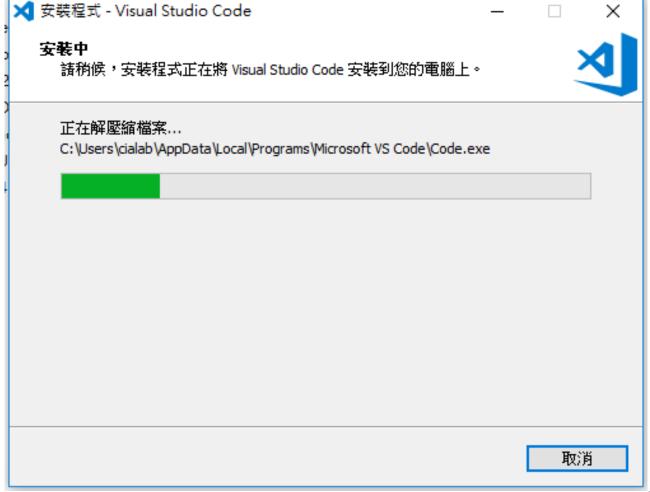
• Step 2 – Double click the installation file and press next



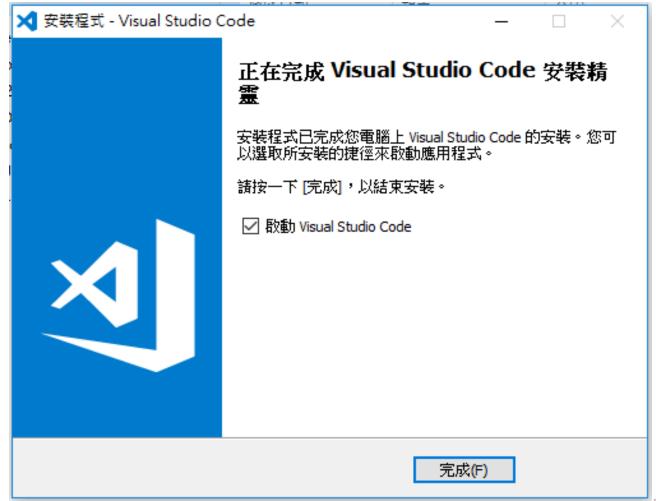
• Step 3 – Accept the contract and press next...



Step 4 – Start to install...



Step 5 – Press finish



Step 6 – Try to open the VScode

