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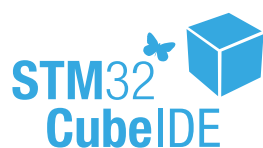
## STM32CubeIDE installation guide

### Introduction

This installation guide for [STM32CubeIDE](#) gives directions on how to install the software on each of the operating systems it supports. It is primarily intended to software developers or system administrators who are about to install the [STM32CubeIDE](#) product.

This installation guide covers the following topics:

- [System requirements](#)
- [Important information](#)
- [STM32CubeIDE installation \(Windows\)](#)
- [STM32CubeIDE installation \(Linux\)](#)
- [STM32CubeIDE installation \(macOS\)](#)



## 1 System requirements

STM32CubeIDE is tested and verified on the Microsoft® Windows®, Linux®, and macOS® versions listed in this chapter.

**Important:** Only 64-bit OS versions are supported.

STM32CubeIDE supports STM32 32-bit products based on the Arm® Cortex® processor.

**Note:** Arm is a registered trademark of Arm Limited (or its subsidiaries) in the US and/or elsewhere.

arm

### 1.1 Microsoft® Windows®

- Microsoft® Windows 7®
- Microsoft® Windows 8®
- Microsoft® Windows 10®

### 1.2 Linux®

- Ubuntu® LTS 14.04
- Ubuntu® LTS 16.04
- Ubuntu® LTS 18.04
- Fedora® 29

**Note:** Ubuntu® is a registered trademark of Canonical Ltd.  
Fedora® is a trademark of Red Hat, Inc.

### 1.3 macOS®

- macOS® 10.12 (Sierra)
- macOS® 10.14 (Mojave)

**Note:** macOS® is a trademark of Apple Inc. registered in the U.S. and other countries.

### 1.4 Hardware requirements

The following hardware requirements apply:

- 2 Gbytes of RAM minimum. 4 Gbytes of RAM recommended
- 6 Gbytes of free hard-disk space

## 2 Important information

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This chapter contains important information regarding the installation of [STM32CubeIDE](#).

### 2.1 Product installer

The latest version of the [STM32CubeIDE](#) installer can be downloaded from the STMicroelectronics web site at [www.st.com](http://www.st.com).

### 2.2 Installing from USB memory

It is not recommended to launch the [STM32CubeIDE](#) installer directly from a USB memory. Instead, copy the executable installation file from the USB memory to the local hard-disk drive of the computer and execute the installation from the hard-disk drive.

If an installation from a USB memory is still preferred, make sure that the USB memory is not write-protected and that there is at least 6 GBytes of free memory beyond the space occupied by the installation executable. The extra space is required for temporary files during the installation.

**Caution:** Do not remove the USB memory from the computer until the installation process is completely finished or the installation would fail.

### 2.3 Product upgrades

It is possible to install new versions of [STM32CubeIDE](#) in parallel with older versions.

### 3 STM32CubeIDE installation (Windows®)

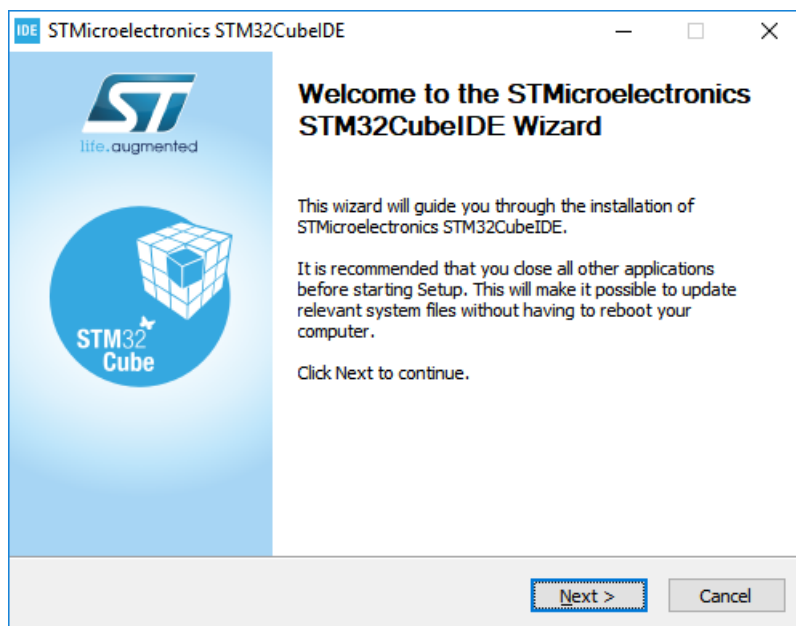
This section describes how to install the [STM32CubeIDE](#) product on Microsoft® Windows®.

**Note:** *The installation is done through a product installer. Make sure that the user account, from which the installer is launched, has administrative privileges.*

Proceed as follows:

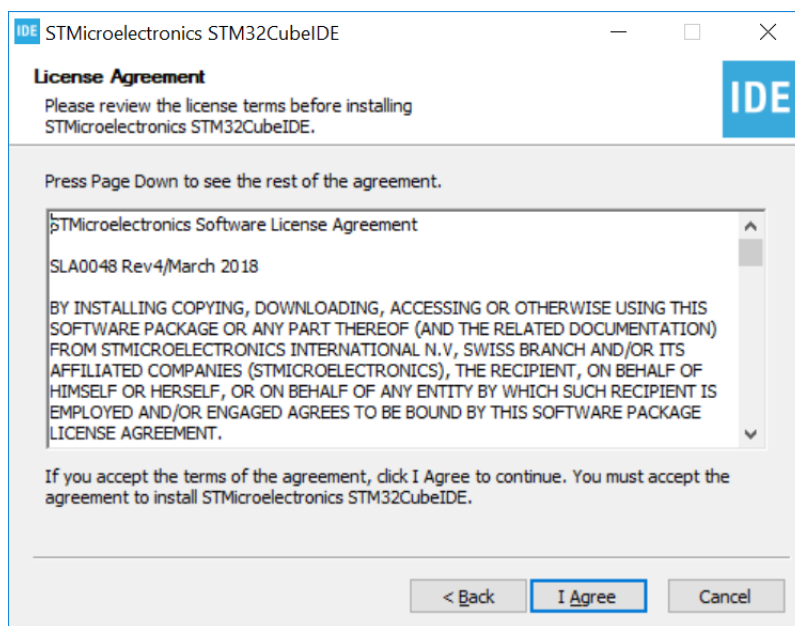
1. Launch the product installer (.exe file)  
`st-stm32cubeide_VERSION_ARCHITECTURE.exe`  
where:
  - VERSION is the actual product version and build date  
Example: 1.0.0\_2026\_20190221\_1309
  - ARCHITECTURE is the architecture of the target host computer to run [STM32CubeIDE](#)  
Example: x86\_64
2. During the installation process, the operating system may display a dialog stating: “Do you want to allow this app to make changes to your device?” with info “Verified publisher: STMicroelectronics Software AB”. Accept ([YES]) to let the installer continue.
3. Wait for the installer **Welcome** dialog to be displayed and click [Next >].

Figure 1. Installer Welcome Page (Windows®)



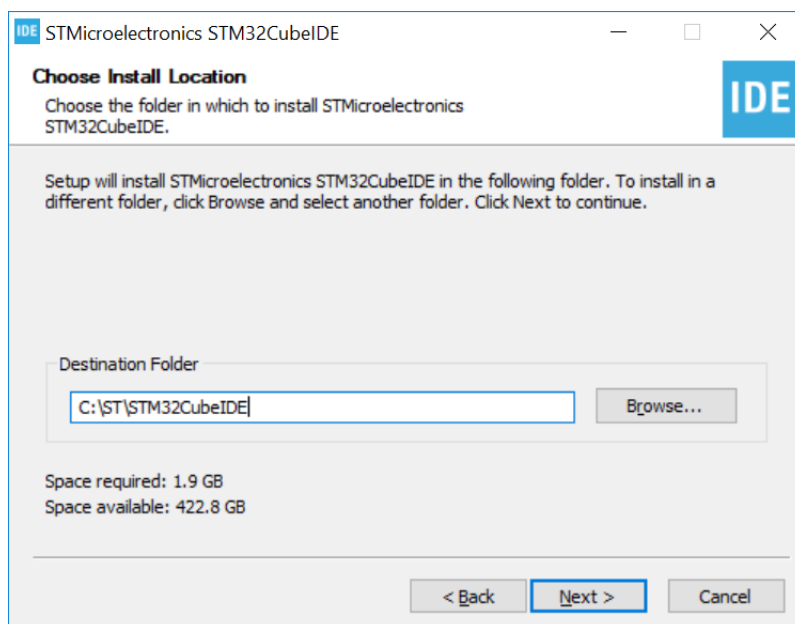
4. Read the license agreement. Click [I Agree] to accept the terms of the agreement, or [Cancel] to abort the installation. If the agreement is accepted, the installation wizard continues.

Figure 2. License agreement dialog (Windows®)



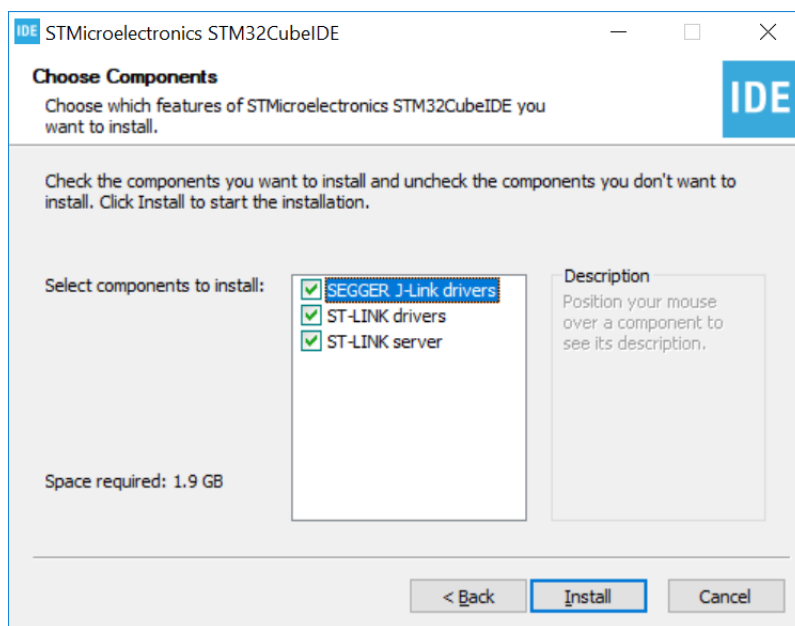
5. In this dialog, the user selects the location for the installation. It is recommended to choose a short path to avoid facing Windows® limitations with too long paths for the workspace.

Figure 3. Installer location dialog (Windows®)



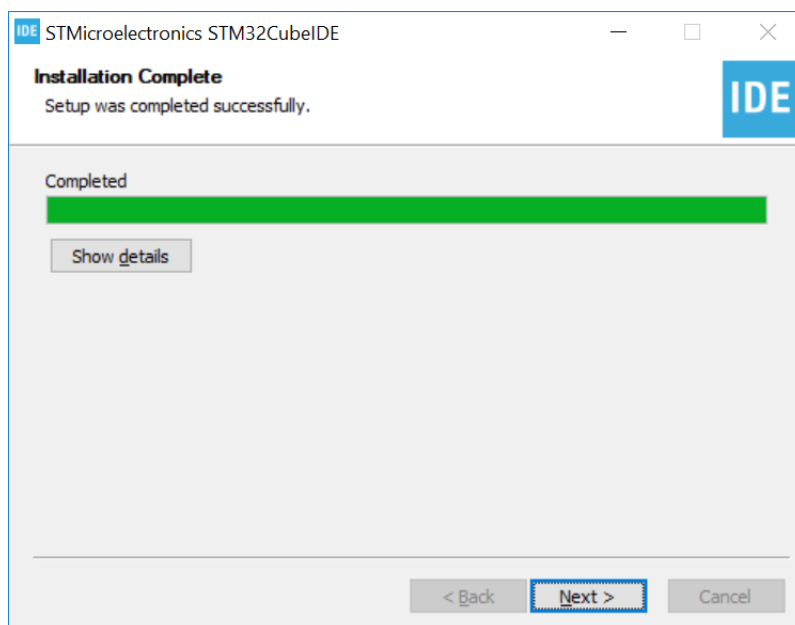
6. Wait for the **Choose Components** dialog to be displayed. Select the GDB Server components to be installed together with STM32CubeIDE. A server is needed for each type of JTAG probe used for debugging with STM32CubeIDE.

Figure 4. Selection of components dialog (Windows®)



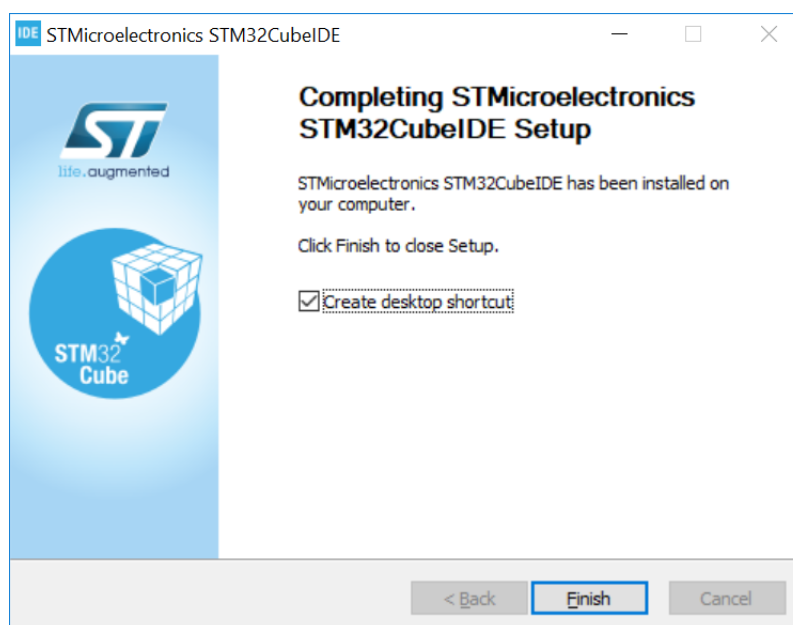
7. Click **[Install]** to start the installation. The drivers that were selected are installed in parallel with this installation of **STM32CubeIDE** from here on.

Figure 5. Installation successful (Windows®)



8. Click **[Next]** to continue to the final step of the installation process. That is a **Confirmation** dialog informing the user that the installation is finished. Once the user clicks **[Finish]**, the installation process is complete.

Figure 6. Installation finished (Windows®)



## 4 STM32CubeIDE installation (Linux®)

This section describes how to install the [STM32CubeIDE](#) product on Linux®.

**Note:** *The installation is done through a product installer. Linux® root privileges are required to complete the installation.*

The installer comes in different bundles to suit the various Linux® distributions. The bundles are named according to:

`st-stm32cubeide_VERSION_ARCHITECTURE.PACKAGE`

where:

- `VERSION` is the actual product version and build date  
Example: `1.0.0_2026_20190221_1309`
- `ARCHITECTURE` is the architecture of the target host computer to run [STM32CubeIDE](#)  
Example: `amd64`
- `PACKAGE` is the Linux® package type to be installed. The supported packages are:
  - `rpm_bundle.sh` for Fedora®/CentOS
  - `deb_bundle.sh` for Ubuntu®
  - `.sh` for generic Linux®

Proceed as follows:

1. Navigate to the location of the installer file with a command console on the host computer.
2. Enter the following command in the console window:  
`sudo sh ./st-stm32cubeide_VERSION_ARCHITECTURE.PACKAGE`  
where `VERSION`, `ARCHITECTURE` and `PACKAGE` must be entered after the selected Linux® package.
3. Follow the further instructions provided through the console window.



## 5 STM32CubeIDE installation (macOS®)

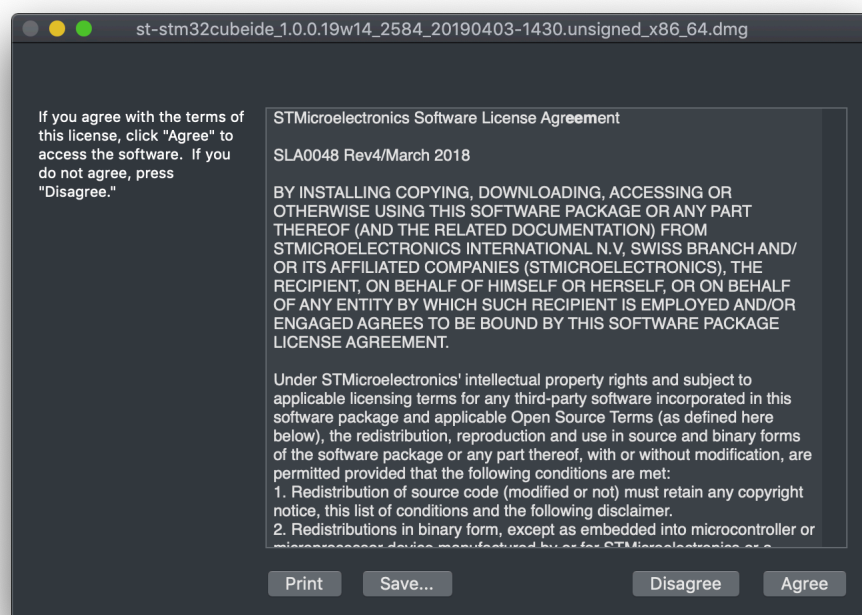
This section describes how to install the [STM32CubeIDE](#) product on macOS®.

**Note:** *The installation is done through a product installer. Make sure that the user account, from which the installer is launched, has administrative privileges.*

Proceed as follows:

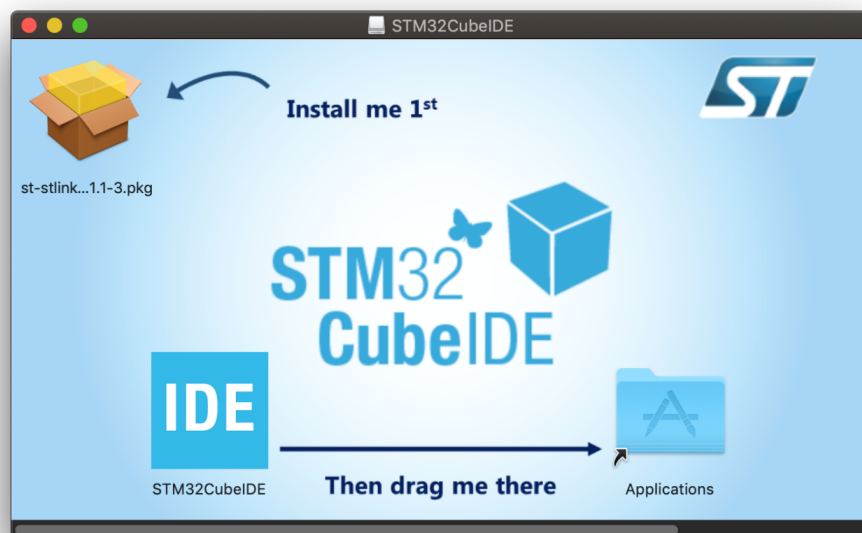
1. Launch the product installer (.dmg file)  
`st-stm32cubeide_VERSION_ARCHITECTURE.dmg`  
where:
  - VERSION is the actual product version and build date  
Example: 1.0.0\_2026\_20190221\_13091309
  - ARCHITECTURE is the architecture of the target host computer to run [STM32CubeIDE](#)  
Example: x86\_64
2. Read the license agreement. Click **[Agree]** to accept the terms of the agreement, or **[Disagree]** to abort the installation. If the agreement is accepted, the installation wizard continues.

**Figure 7. License agreement dialog (macOS®)**



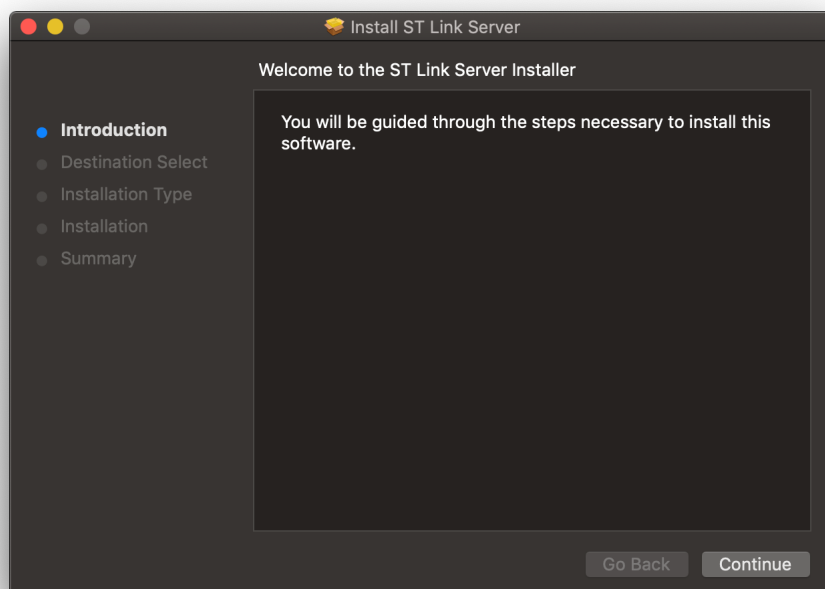
3. Wait for the installation **welcome page** to appear.
4. Double click the .pkg file indicated with the curved arrow and text stating *“Install me 1st”*.

Figure 8. Installation welcome page (macOS®)



5. This installation is required and installs the *ST Link Server*. Click the **[Continue]** button.

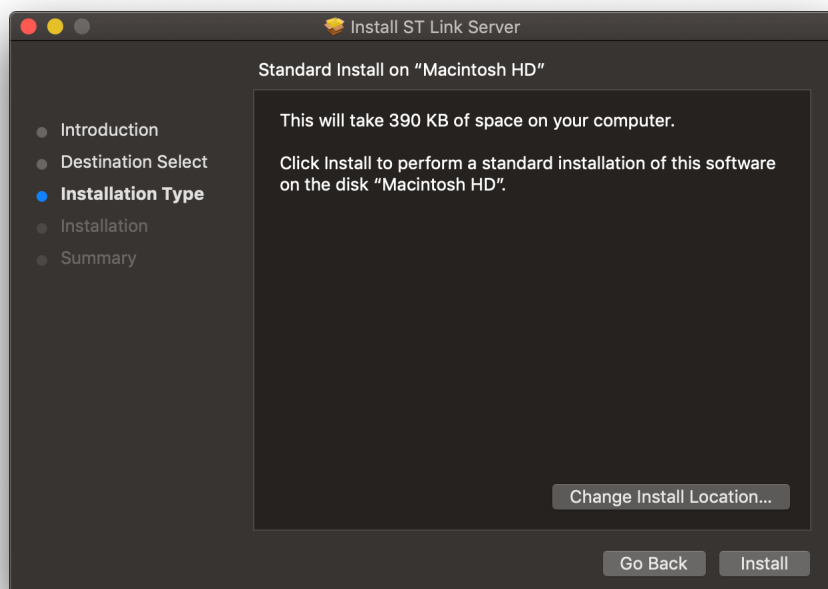
Figure 9. ST Link Server welcome page (macOS®)



6. In this dialog, select the location for the installation of the *ST Link Server*.
7. Click **[Install]**, possibly prompted to log in to authorize the installation.

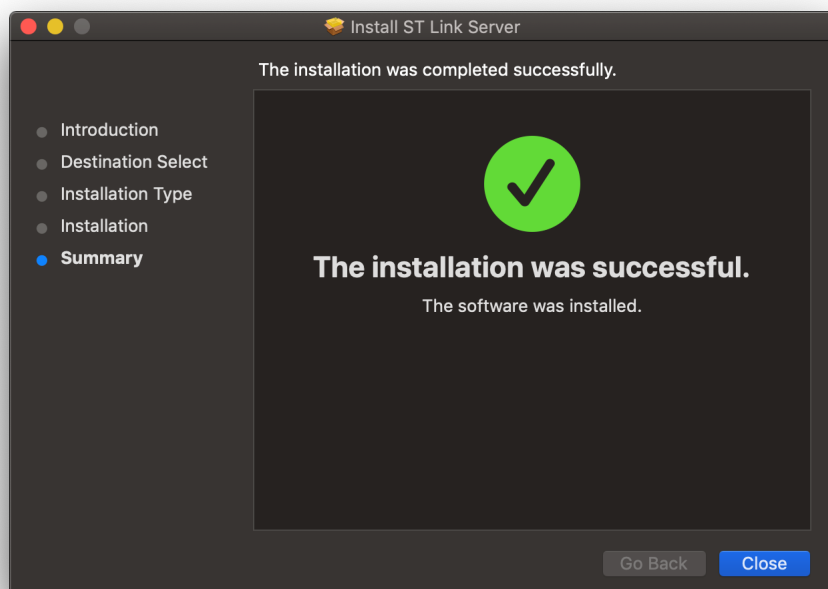
8. If a warning is displayed stating "This package is incompatible with this version of macOS and may fail to install", click **[Install Anyway]**.

**Figure 10. ST Link Server installer location dialog (macOS®)**



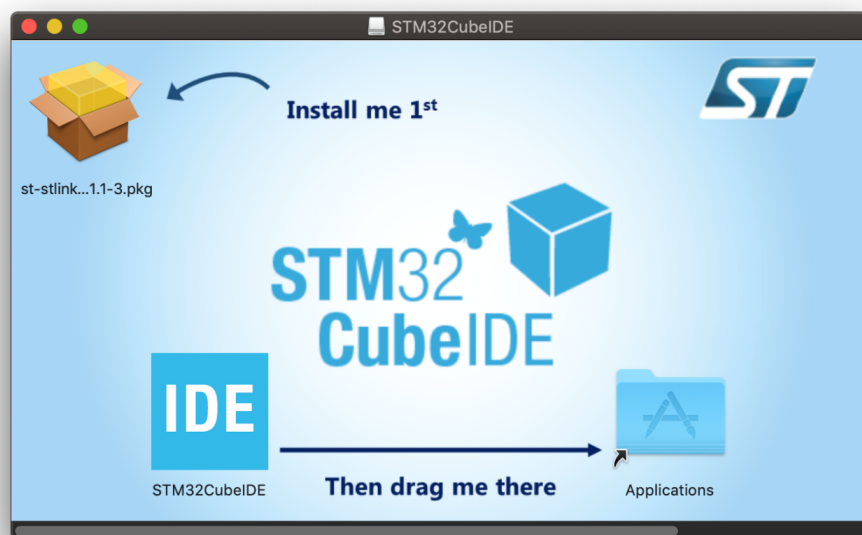
9. Click **[Close]** and continue the installation of the [STM32CubeIDE](#) product.

Figure 11. ST Link Server installation finished (macOS®)



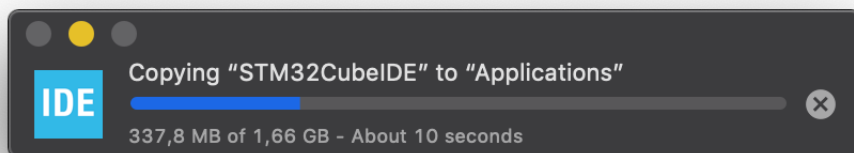
10. After successfully installing *ST Link Server*, drag the *STM32CubeIDE* icon to the *Applications* folder as indicated by the straight arrow.

Figure 12. STM32CubeIDE install page (macOS®)



11. Wait for the installation to finish. When done, it is possible to launch *STM32CubeIDE* from the **Launchpad** by clicking the IDE icon.

Figure 13. Installation progress bar (macOS®)



## Revision history

**Table 1. Document revision history**

Date	Version	Changes
18-Apr-2019	1	Initial version.

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