



ARM Processors Interfacing

Lecture one

Environment Installation


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How to install IMT SDK ?

1- Go to **IMT_ARM_Course** Folder .

 IMT_ARM_Course

2- Go to **02- Tools** Folder .

 02- Tools

3- Go to **03- IMT SDK** Folder .

 03- IMT SDK

4- IF your computer is a 64 bit operating system Extract a **IMT_SDK_Win_64.rar** and IF your computer is a 32 bit operating system Extract **IMT_SDK_Win_32.rar** .

 IMT_SDK_Win_32.rar IMT_SDK_Win_64.rar

Note :- Before extracting disable any **antivirus** as well as to windows defender if you have it.

IMT SDK

64 and 32 bit operating system will do the same steps .

4- After Extracting go to the **IMT_SDK_Win_64 Extract Folder** .

IMT_SDK_Win_64

IMT_SDK_Win_32.rar

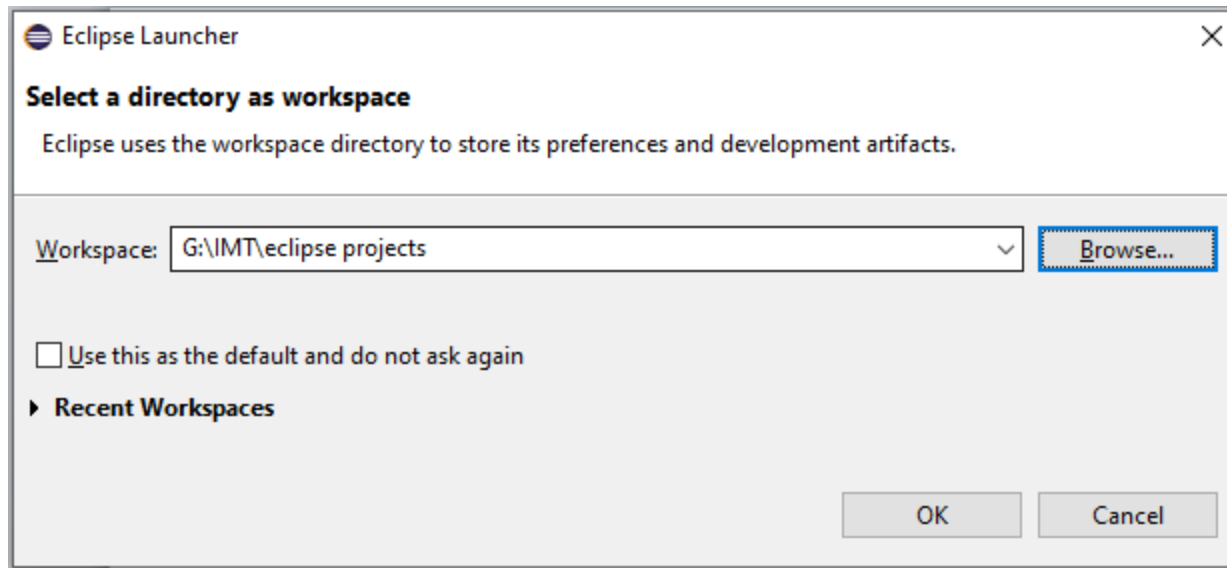
IMT_SDK_Win_64.rar

5- Press on **IMT_SDK.exe** .

IMT_SDK.exe

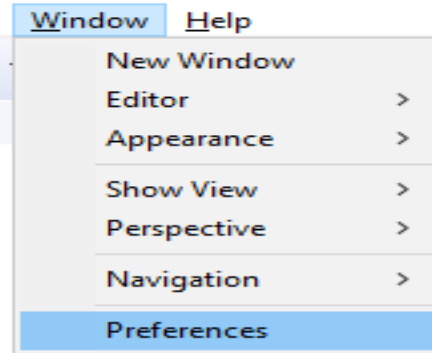


6- Choose the **Workspace** of your projects .

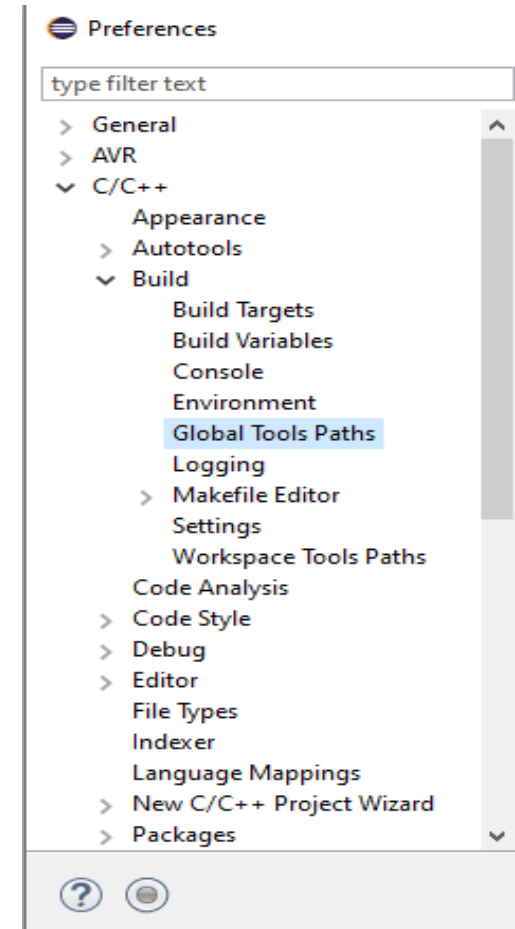


Make sure that the workspace folder does not have any special characters, or space, or Arabic characters.

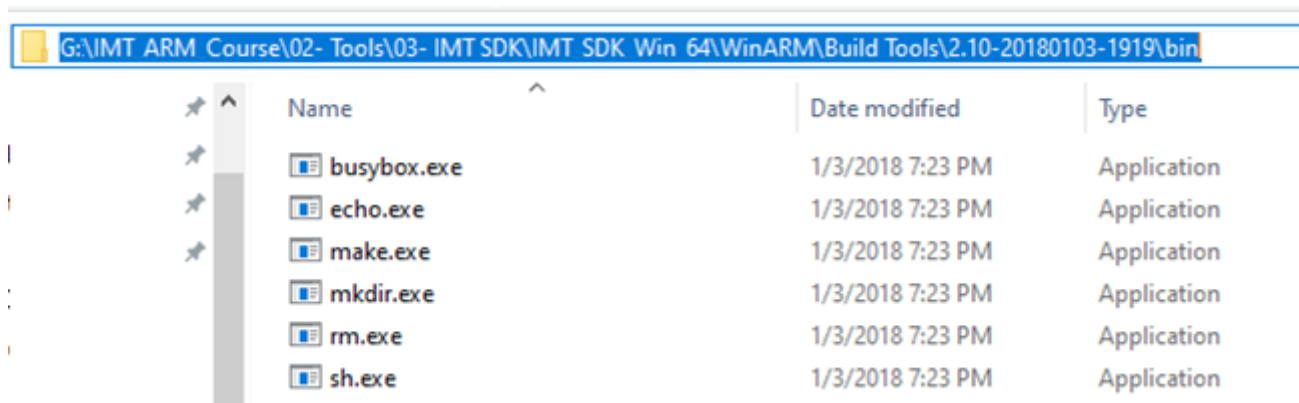
7- Go to **Window** in the tool bar and choose **Preferences** .



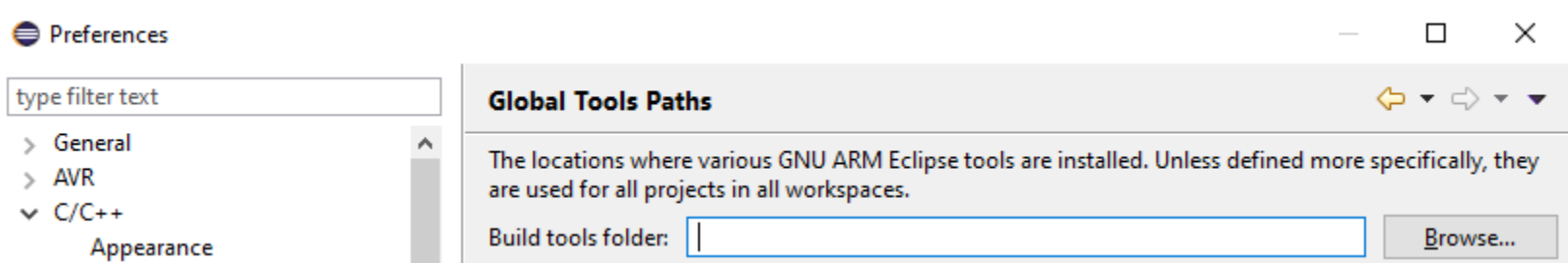
8- Go to **C/C++** then **Build** and choose **Global Tools Paths** .



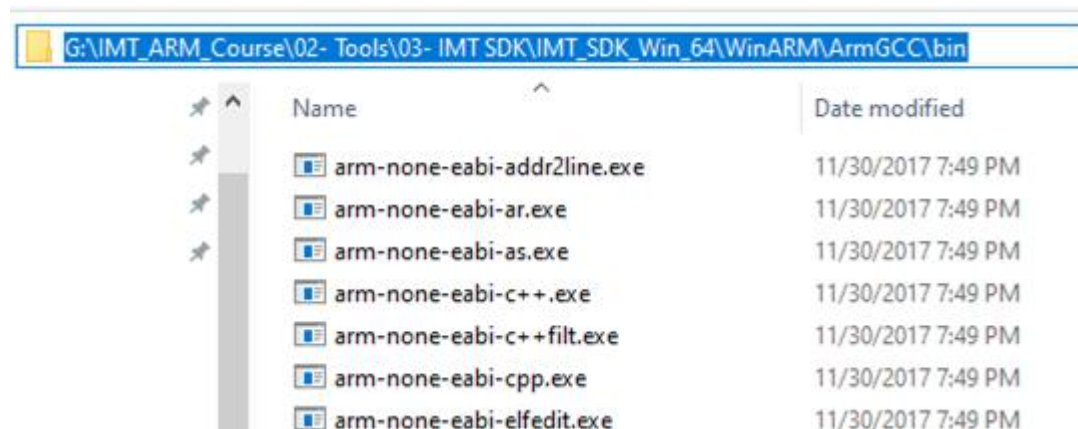
9- Go to **IMT_ARM_Course Folder** → **02- Tools** → **03 IMT SDK** → **IMT_SDK_Win64** or **IMT_SDK_Win32** → **WinARM** → **Build Tools** → **2.10-20180103-1919** → **bin** then take this path copy .



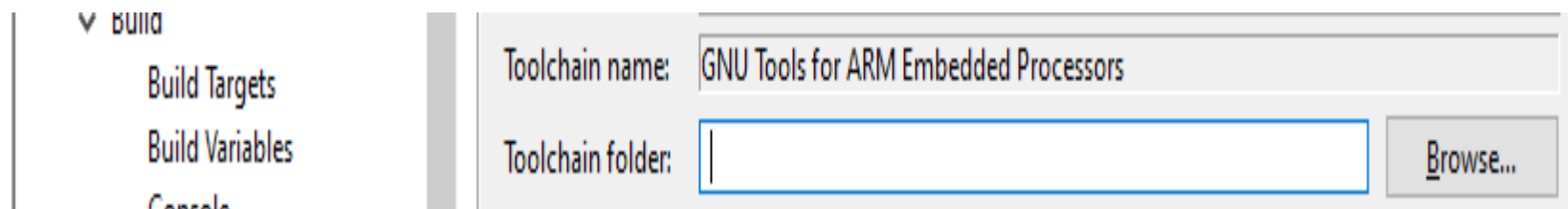
10- Back to **IMT SDK** and paste this path to **Build tools folder** :



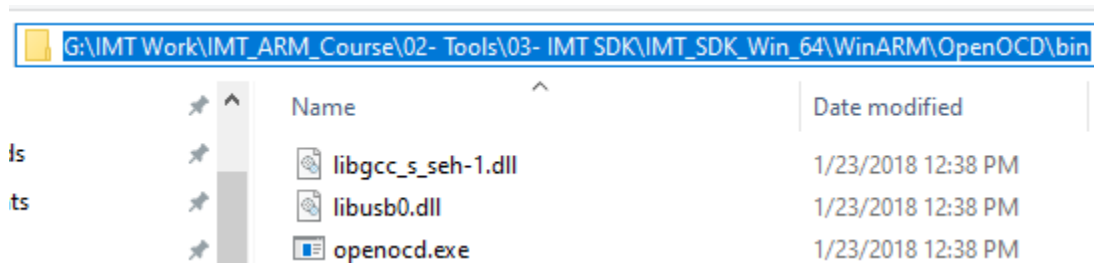
11- Go to **IMT_ARM_Course Folder** → **02- Tools** → **03 IMT SDK** → **IMT_SDK_Win64** or **IMT_SDK_Win32** → **WinARM** → **Arm GCC** → **bin** then take this path copy .



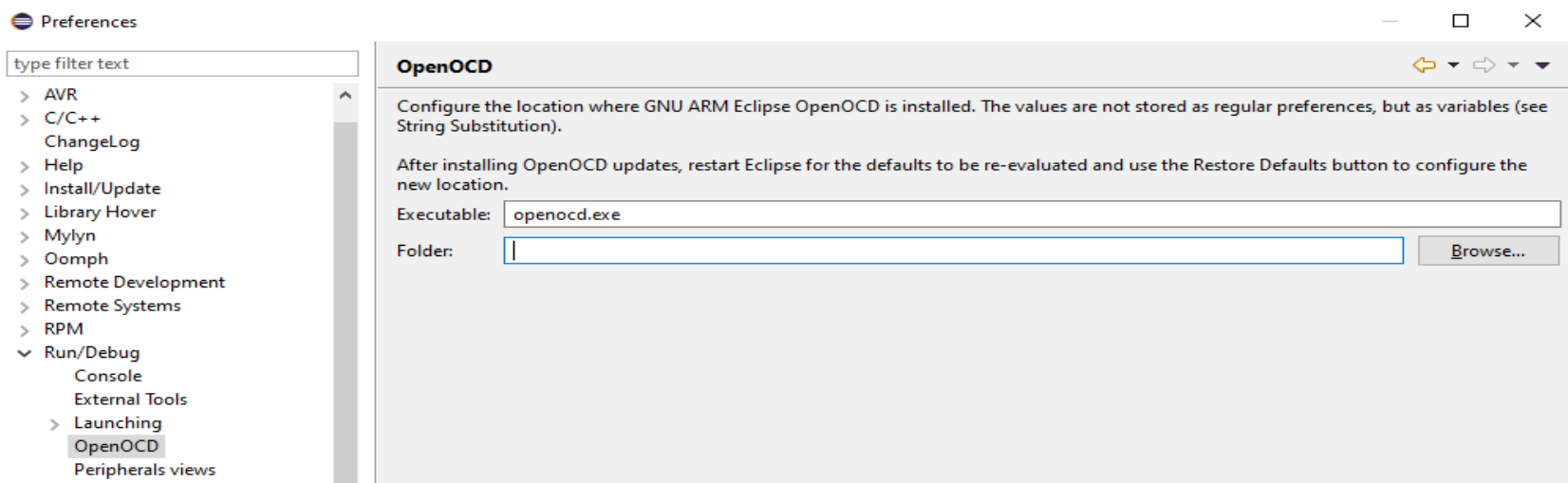
12- Back to **IMT SDK** and paste this path to **Toolchain folder** :



13- Go to **IMT_ARM_Course Folder** → **02- Tools** → **03 IMT SDK** → **IMT_SDK_Win64** or **IMT_SDK_Win32** → **WinARM** → **OpenOCD** → **bin** then take this path copy .



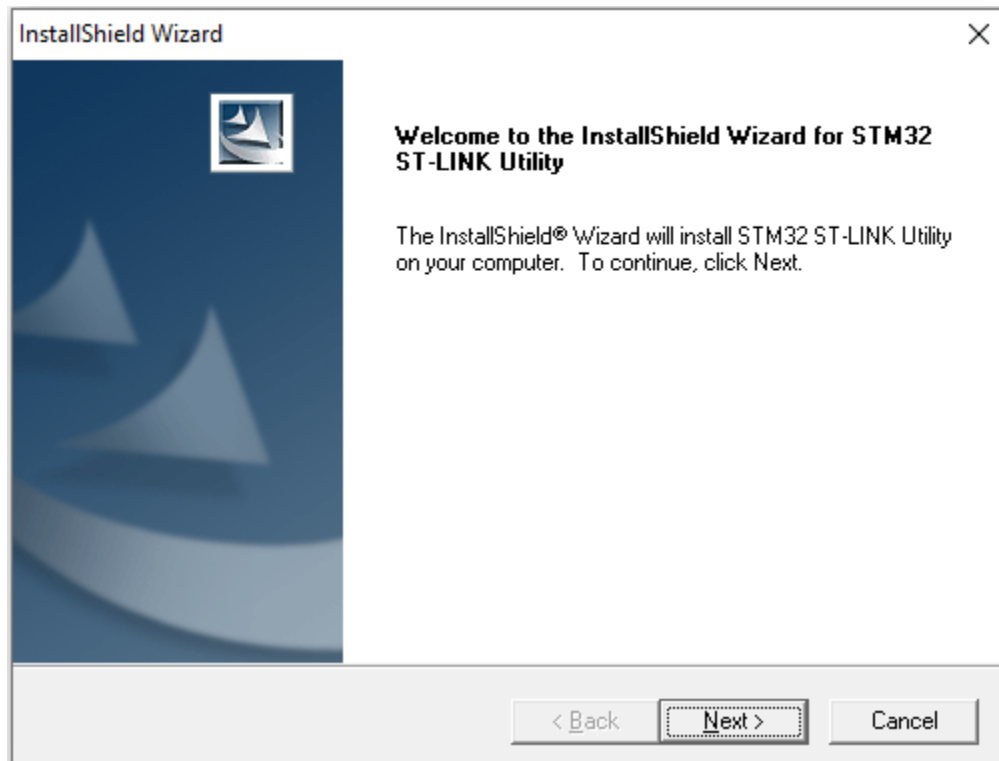
14- Back to **IMT SDK** then choose **Run/Debug** and then choose **OpenOCD** and paste this path into **Folder** :



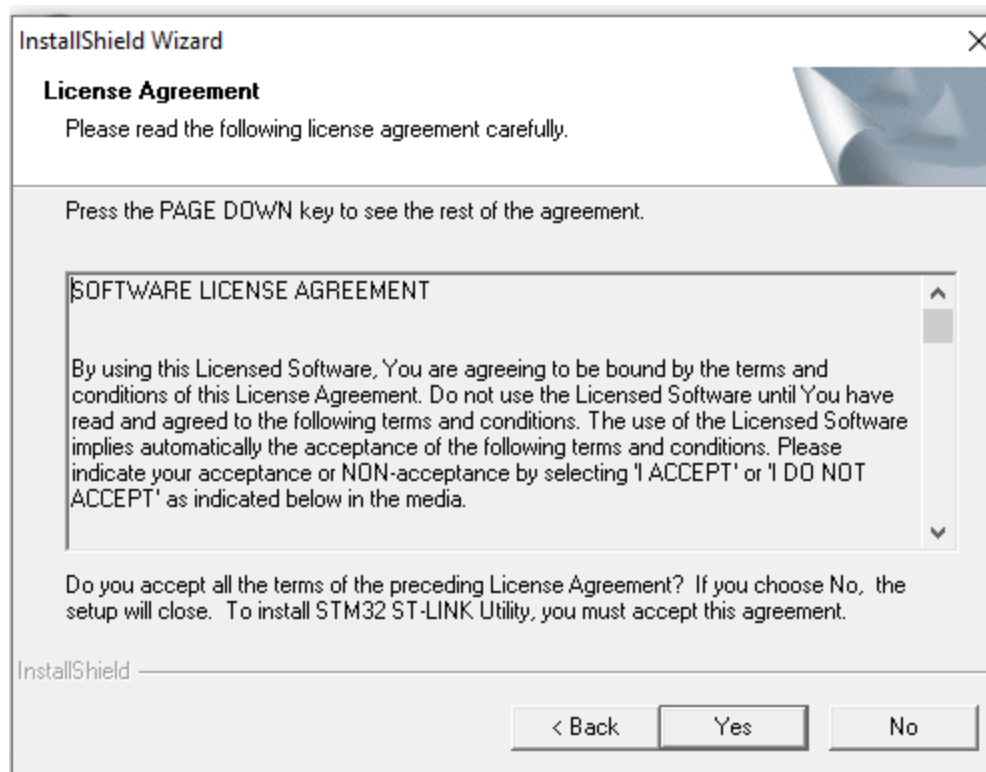
ST-Link utility

1- Go to **IMT_ARM_Course Folder** → **02- Tools** → **01- ST Link Utility** then setup **STM32 ST-LINK Utility v3.9.0.exe** .

2- Press **Next** .

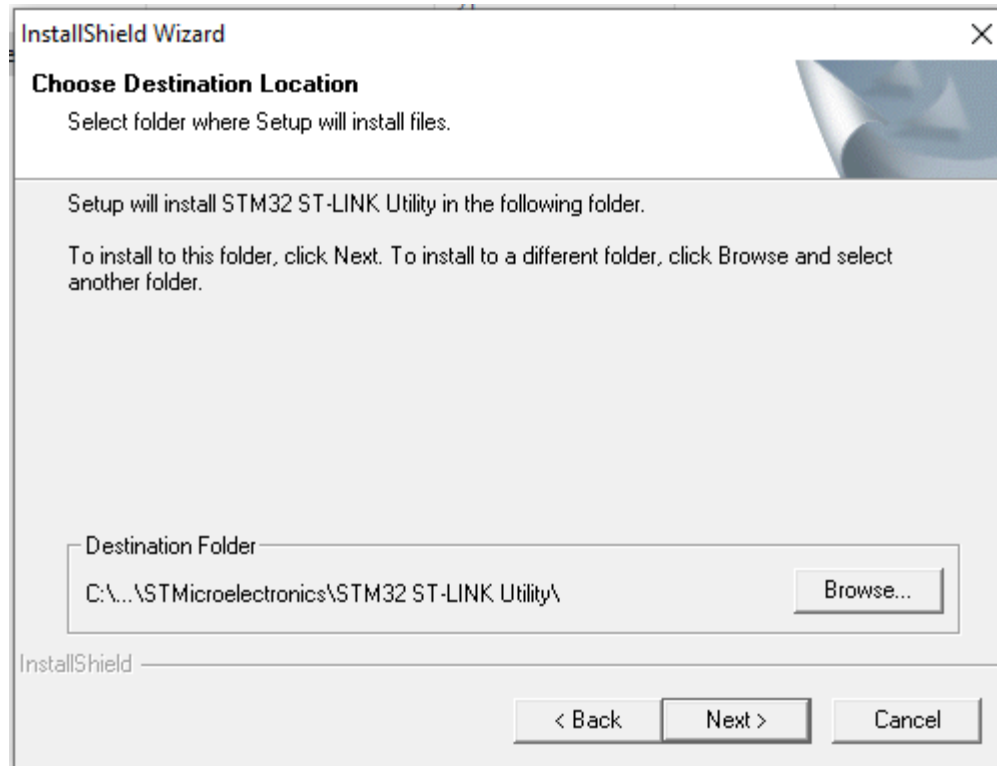


3- Press **Next**.



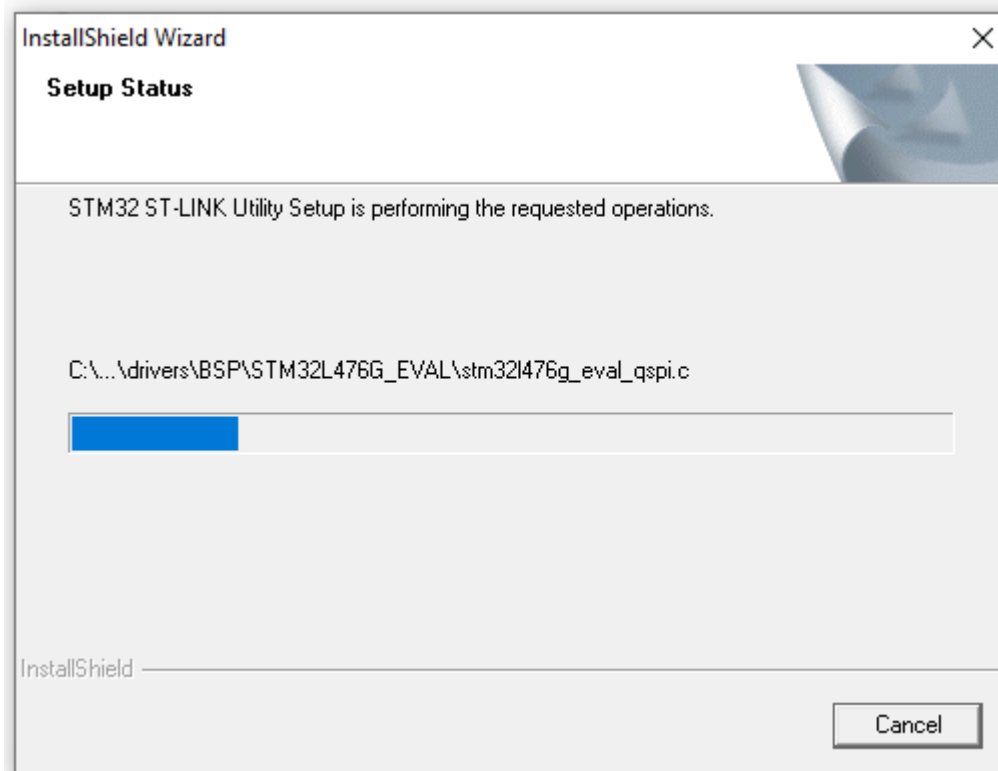
ST-Link utility

4- Press **Next**.



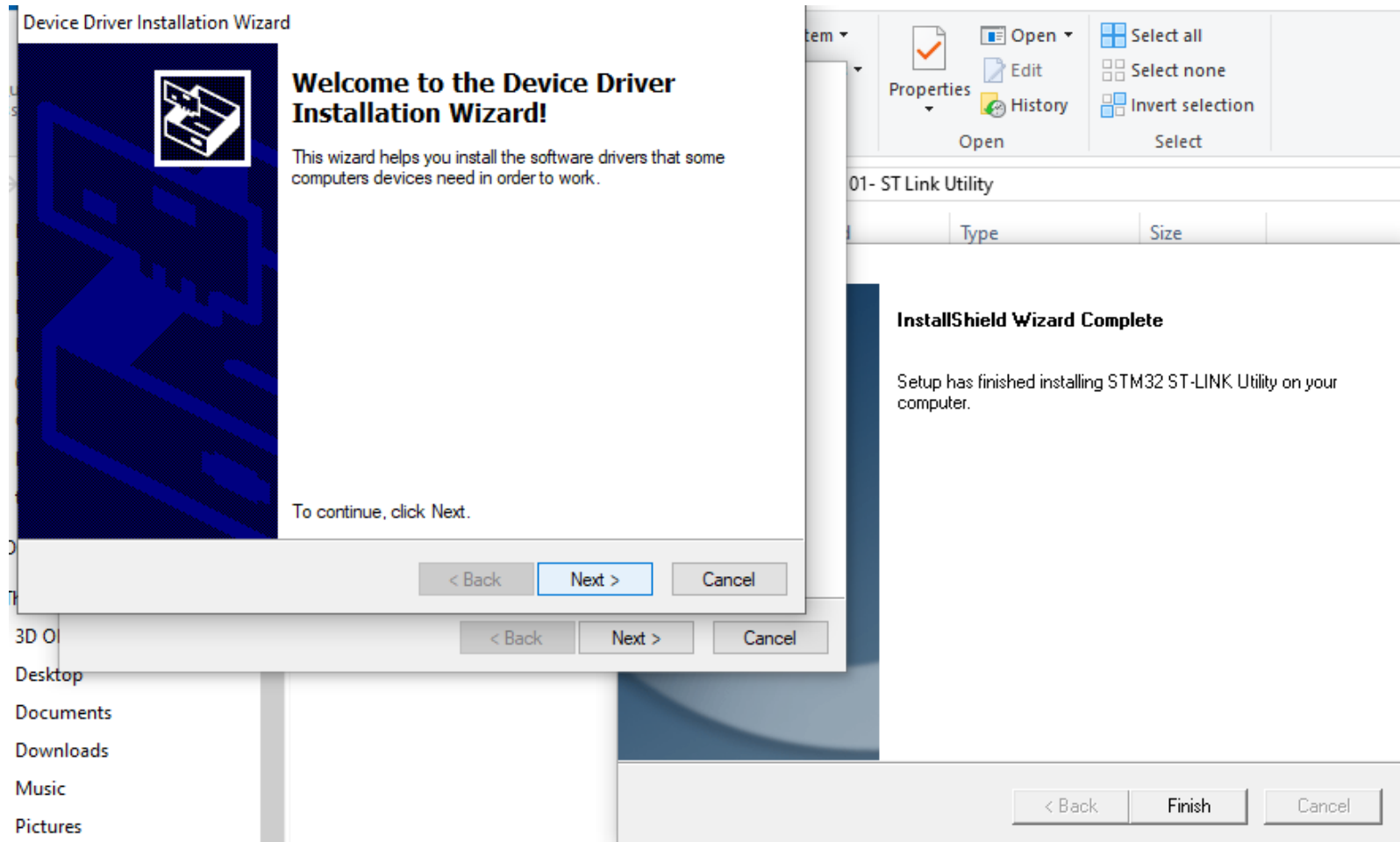
ST-Link utility

5- **Wait.**



ST-Link Driver

6- Press **Next to** setup **ST-Link Driver** and Finish.



The End ...





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