

1. Download and Install Java JRE (if already not installed)

(<https://www.oracle.com/technetwork/java/javase/downloads/java-archive-javase8-2177648.html>)

jre-8u102-windows-x64.exe

2. Download and Install System Workbench for STM32 – SW4STM32

(<http://www.openstm32.org/HomePage>)

install_sw4stm32_win_64bits-v2.6.exe

during startup ARM toolchain should be automatically installed

(<https://developer.arm.com/open-source/gnu-toolchain/gnu-rm>)

**3. Download and Install STM32CubeMX**

(<https://www.st.com/en/development-tools/stm32cubemx.html>)

SetupSTM32CubeMX-4.27.0.exe

**4. Download and Install STM32CubeF7**

(<https://www.st.com/en/development-tools/stm32cubemx.html>)

Run STM32CubeMX

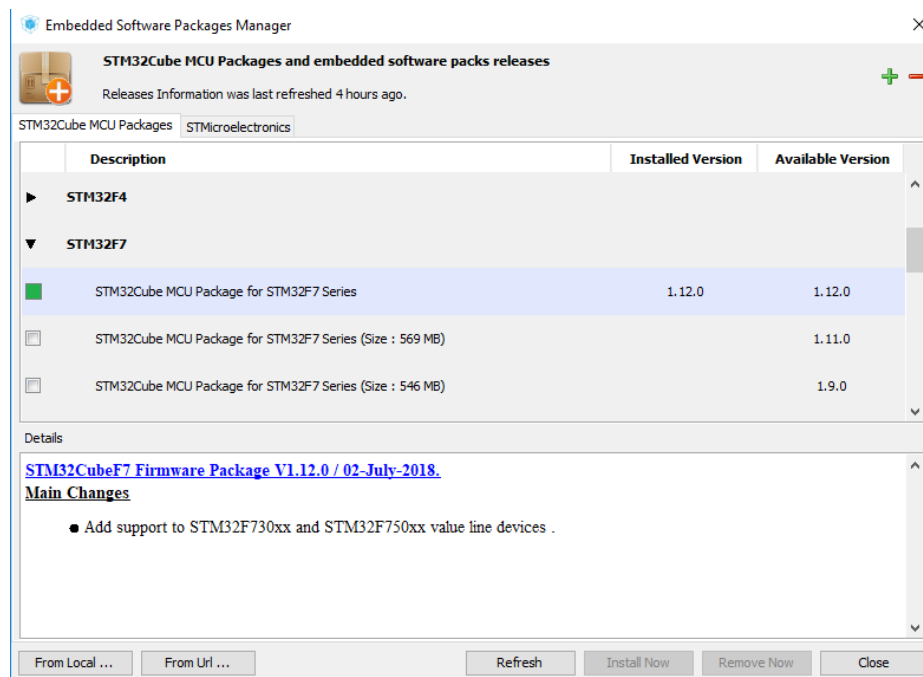
Go to Help -> Manage embedded software packages

Select STM32F7

Check latest available version (1.12.0)

Select From Local folder and navigate to downloaded package (en.stm32cubef7)

Alternative - select install now and package will be automatically downloaded and installed

**5. Download and Install mikromedia Plus for STM32F7 mikroBootloader**

(<https://www.mikroe.com/mikromedia-4-stm32f7>)

Unzip downloaded package



6. Managing output files (useful modifications in post-build steps)

- In SW4STM32 open properties window for the project (Project -> Properties)
- Select C/C++Build -> Settings -> Build Steps
- Modify Command field using information below (add new commands after a **&&** string)
 - To generate a binary (.bin) output file use:
arm-none-eabi-objcopy-O binary "out_file.elf" "out_file.bin"
 - To generate an INTEL hex (.hex) output file use:
arm-none-eabi-objcopy-O ihex "out_file.elf" "out_file.hex"
 - To print information about code size after compilation use:
arm-none-eabi-size "out_file"

