

Based on

<https://github.com/df8oe/UHSDR/wiki/Windows-10-x64-Compiler-Setup-and-Build-Environment>

Summary of <https://gnu-mcu-eclipse.github.io/install/> below:

- Overview here: <https://gnu-mcu-eclipse.github.io/install/>
- Java from here <https://www.java.com/en/download/win10.jsp>
 - **If you run 64 bit windows make sure to install 64 bit JRE from here <https://java.com/en/download/manual.jsp>**
 - Install and test
- Gnu Arm toolchain from here, Win32 exe
<https://developer.arm.com/open-source/gnu-toolchain/gnu-rm/downloads>
 - Execute. Installs in C:\Program Files (x86)\GNU Tools ARM Embedded\7 2017-q4-major
 - See <https://gnu-mcu-eclipse.github.io/toolchain/arm/install/>
- Download Gnu Arm Windows build tools from here
<https://github.com/gnu-mcu-eclipse/windows-build-tools/releases>
 - Copy all .exe files from "bin" directory from downloaded .zip to C:\Program Files (x86)\GNU Tools ARM Embedded\7 2017-q4-major\bin
 - See <https://gnu-mcu-eclipse.github.io/windows-build-tools/install/>
- Install J-Link from here <http://www.segger.com/jlink-software.html> (If you have J-Link..)
 - See <https://gnu-mcu-eclipse.github.io/debug/jlink/install/>
 - Download from here <https://www.segger.com/downloads/jlink/>
 - Will install in C:\Program Files (x86)\SEGGER\JLink_V630d
- Install Git for Windows from here <https://git-scm.com/download/win>
- Install OpenOCD as explained here
<https://gnu-mcu-eclipse.github.io/blog/2018/01/23/openocd-v0-10-0-7-20180123-released/>
 - Install node.js "TLS" from here <https://nodejs.org/en/>
 - Open Command line window in win10. Enter

```
npm install xpm --global
```

This installs xpm package manager executable

- Open Command line window in win 10. Enter

```
xpm install @gnu-mcu-eclipse/openocd --global
```

to install Gnu MC Eclipse openOCD

- Install Qemu as explained here <https://gnu-mcu-eclipse.github.io/qemu/install/>
 - Download latest Windows exe from here
<https://github.com/gnu-mcu-eclipse/qemu/releases>
 - Will install in C:\Program Files\GNU ARM Eclipse\QEMU\2.8.0-201612271623-dev
- Get latest MCU Eclipse from here
<https://github.com/gnu-mcu-eclipse/org.eclipse.epp.packages/releases/>
 - Extract downloaded zip file to c:\ (otherwise path names may become too long)
- Run GNU MCU Eclipse
 - Follow work space preferences "global tool chain path" in
<https://gnu-mcu-eclipse.github.io/eclipse/workspace/preferences/>
 - Follow tool chain path management in <https://gnu-mcu-eclipse.github.io/toolchain/path/>

Install PACKages CMSIS

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- See <https://gnu-mcu-eclipse.github.io/plugins/packs-manager/>

From:

<https://amateurfunk-sulingen.de/wiki/> - Afu - Wiki des DARC OV Sulingen I40

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Last update: **17.02.2018 11:08**

