

# Porting of Linked-Lists to ModusToolBox

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## 1. ModusToolBox

ModusToolbox (MTB) is a software support tool from Infineon Technologies. It includes partner SDKs alongside the company's officially supported IDEs, drivers, and examples. You can pull all dependencies using the Eclipse IDE that is included in MTB, or via the command line tool.

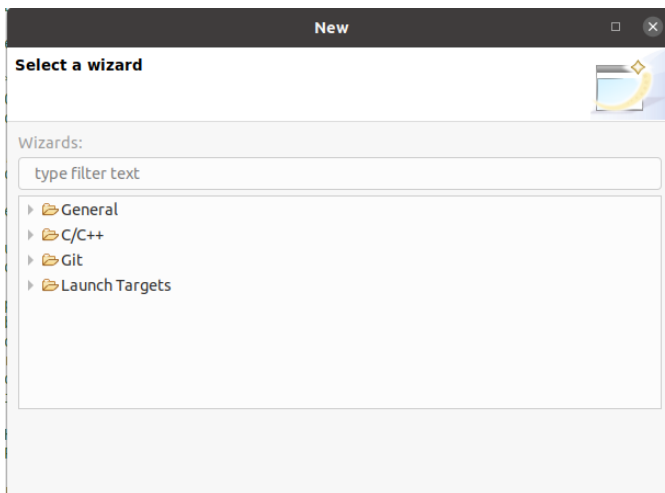
### A. Install ModusToolBox

- 1) Install [ModusToolBox](#) Software as per your operating system.
- 2) Extract the files and do all the necessary installations(Which are given in docs folder of ModusToolBox) as per the OS you are using.
- 3) Then run modustoolbox-eclipse which is located in the ide3.0/eclipse/ subfolder.

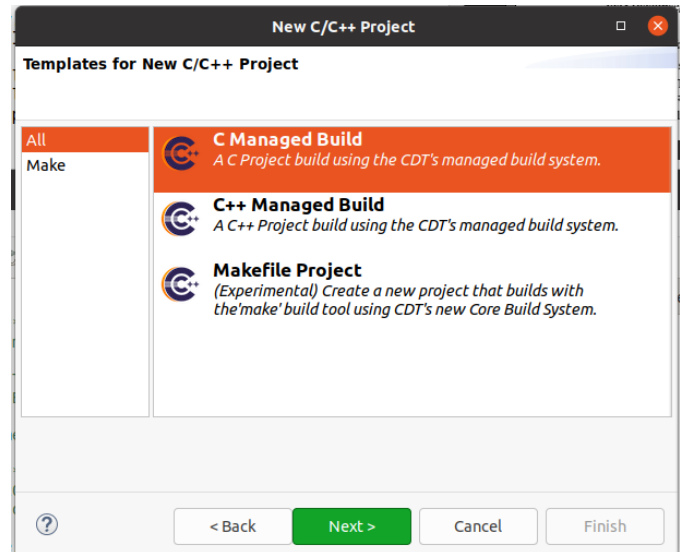
### B. Setup for Linked-list Port

To use linked-lists Follow These steps:

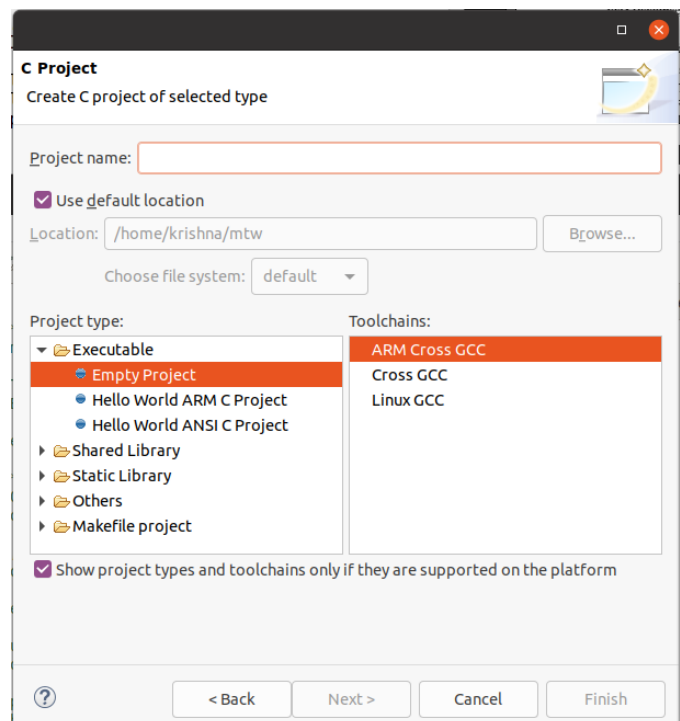
- 1) Open ModusToolBox and Run Eclipse IDE
- 2) Navigate to File—>New—>other
- 3) It will show like below



- 4) Expand C/C++ and select C/C++ project,click next
- 5) Select C Managed Build,click next



- 6) Select project name,project type and tool chain as ARM GCC,click next



- 7) Your project will be created.

## 2. ADDING INCLUDE DIRECTORIES

- 1) In eclipse select project which is located at the top
- 2) Choose properties
- 3) Then expand C/C++ General, Select paths and symbols.
- 4) There you will find Add button
- 5) Use Add to give path to your utils([header files](#)) and then click Apply changes.

## 3. COMPILE-EXECUTE

- 1) Add [main.c](#) to the newly created project.
- 2) Compile using gcc main.c -o main
- 3) Execute using ./main