Import DAVE[™] version 4 generated library sources into Atollic TrueSTUDIO® for ARM®

XMC[™] microcontrollers July 2016





- 1 Purpose and concept
- Create a new Atollic project
- Define new folder in DAVE™
- 4 Link DAVE™ folders
- 5 Add DAVE™ source and include folders
- Tool settings and build the project

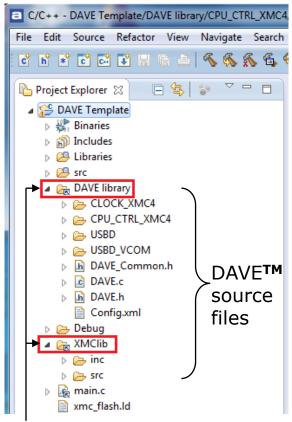


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Purpose: Import DAVE™ version 4 generated source files to Atollic



Atollic project outline:



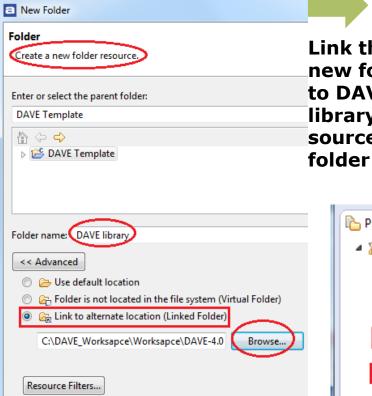
Linked resource: link to DAVE™ generated C sources, header files and XMClib

- DAVE[™] version 4 is a free eclipse based development platform that can generate application libraries from DAVE[™] Apps
- The generated library sources are included in a DAVE™ version 4 project
- Atollic TrueSTUDIO® (eclipse) project uses "linked resource" management to link the DAVE™ library source files and header files to the Atollic project
- The linked resource references only the generated sources, headers and **XMC Lib LLD**. It is expected that the user develops the user code afterwards in Atollic TrueSTUDIO®
- Not the full DAVE[™] version 4 project is ported. To port the full DAVE[™] project the existing user code has to be manually referenced (linked)



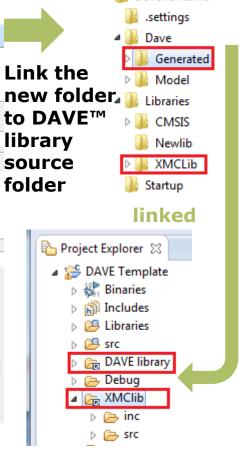
Concept

Define a new folder in Atollic project:



DAVETM project:

DaveToAtollic



Respective project view in Atollic project

- Define a new Atollic project or open the existed Atollic project
- Open two **new** folders (DAVE™ library, XMClib) in the Atollic project, respectively
- Select "link to alternative location"
- > Browse to DAVE[™] v4 project folder **DAVE**[™] **Generated** and Libraries\XMClib, respectively
- Click "Finish"
- In the Atollic project the linked DAVE™ library source will be shown



Prerequisites to follow the tutorial

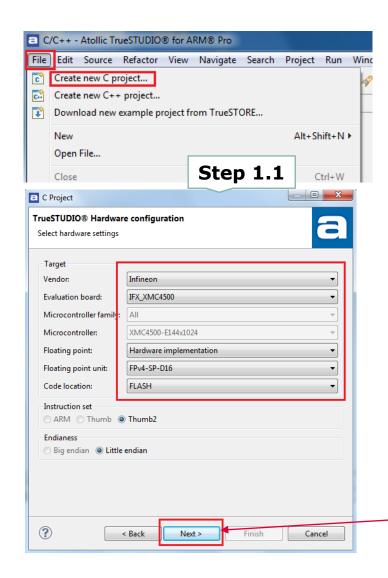
- Atollic TrueSTUDIO® version 5.2.0 or higher
- Open the Atollic TrueSTUDIO®
- > Then, do the following step by step.....

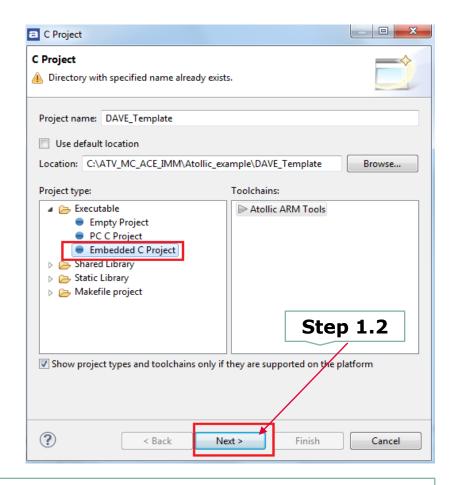


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Step 1: Create a new Atollic project

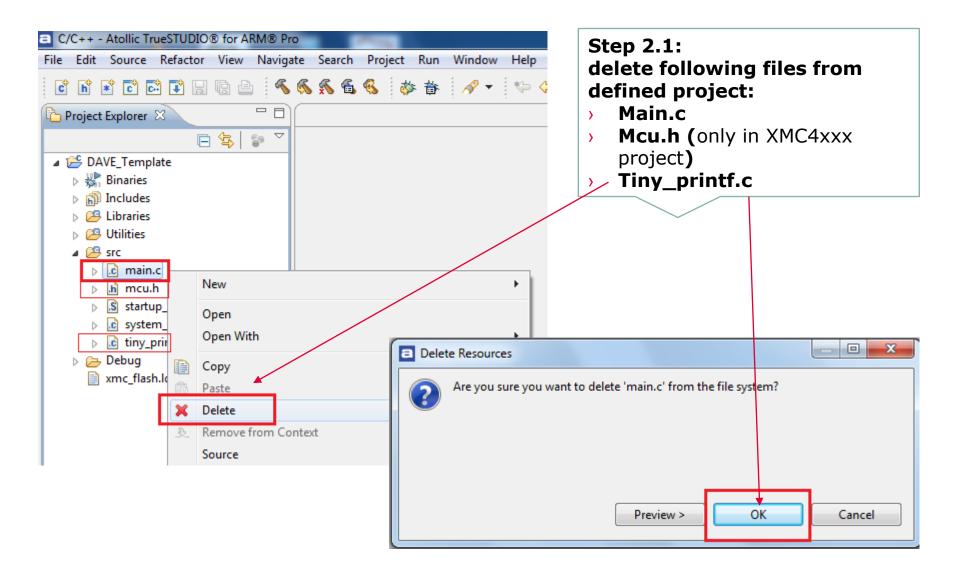




Step 1.3: choose target devices (same target as used in the DAVE™ project)



Step 2: Delete main.c from defined project





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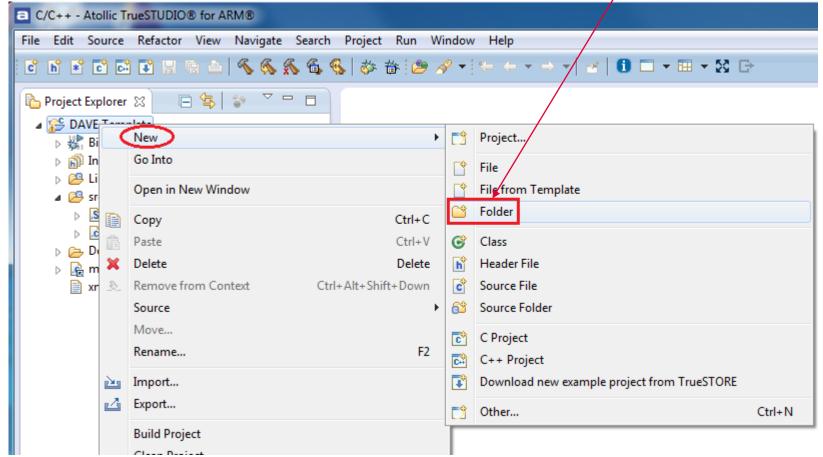
Step 3

Define new folders: DAVETM library and XMClib



Step 3.1:
In the project field, click right mouse

Step 3.2:
Select New->Folder

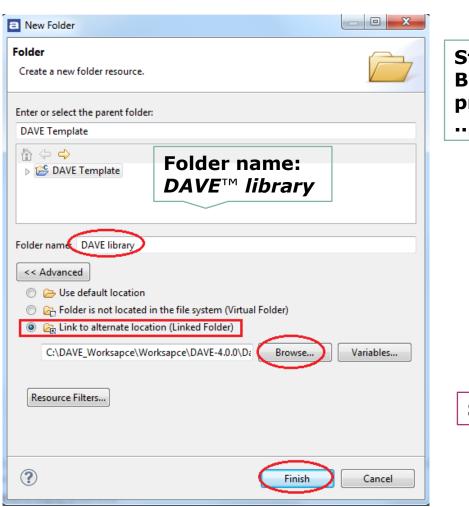


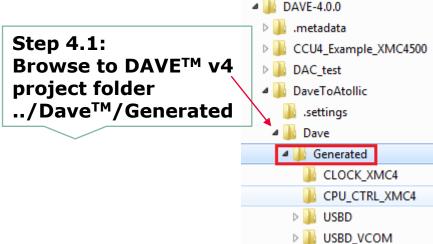


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Step 4: Link DAVETM source codes into DAVETM library







Step 4.2

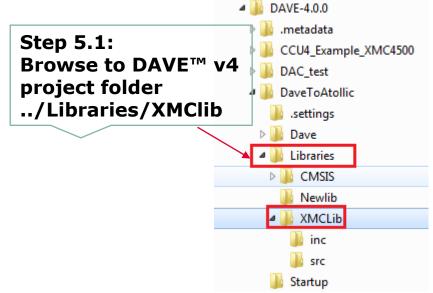
DAVE™ v4 project folder

Step 5:

Link LLD library source codes into XMClib





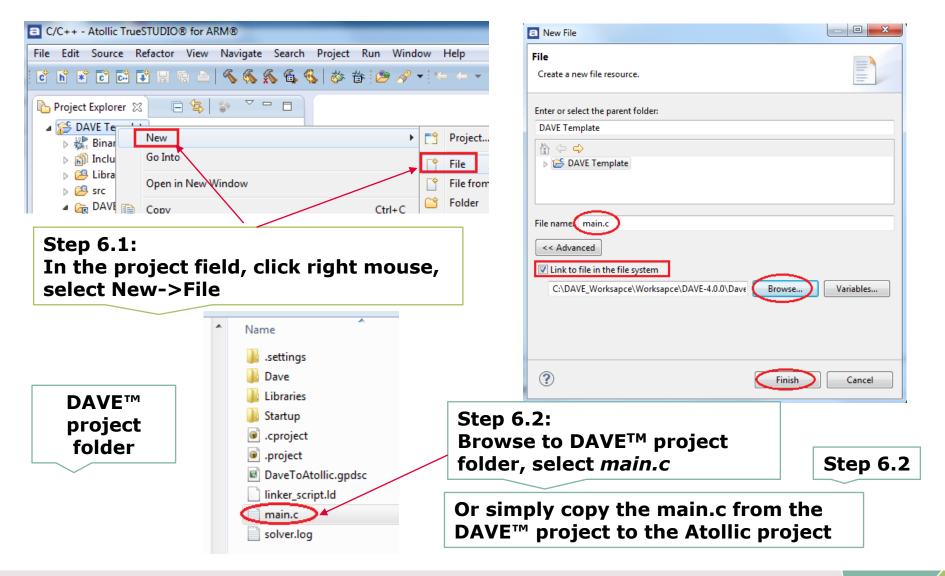


Step 5.2

DAVE™ v4 project folder



Step 6: Link main.c as needed

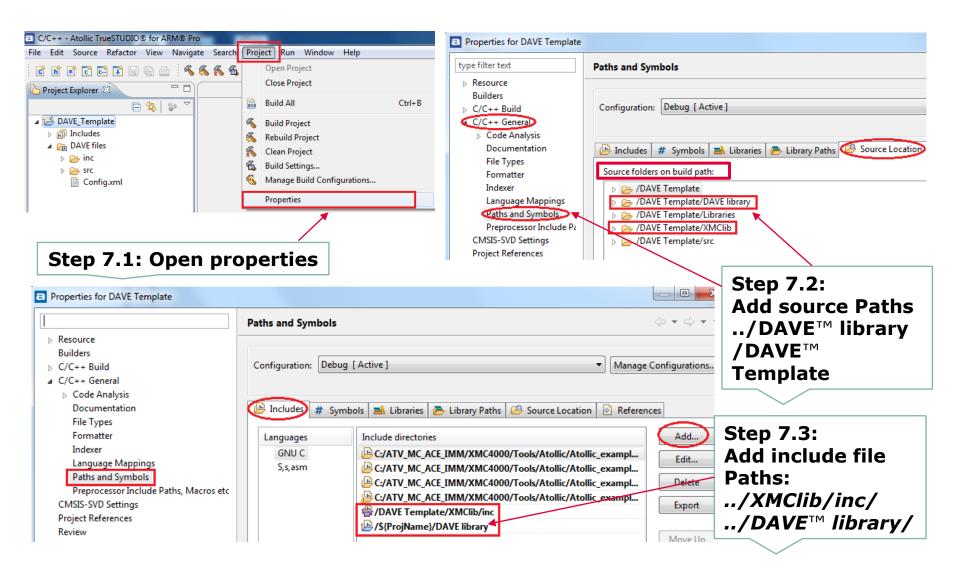




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Step 7: Add DAVE™ source and include folders

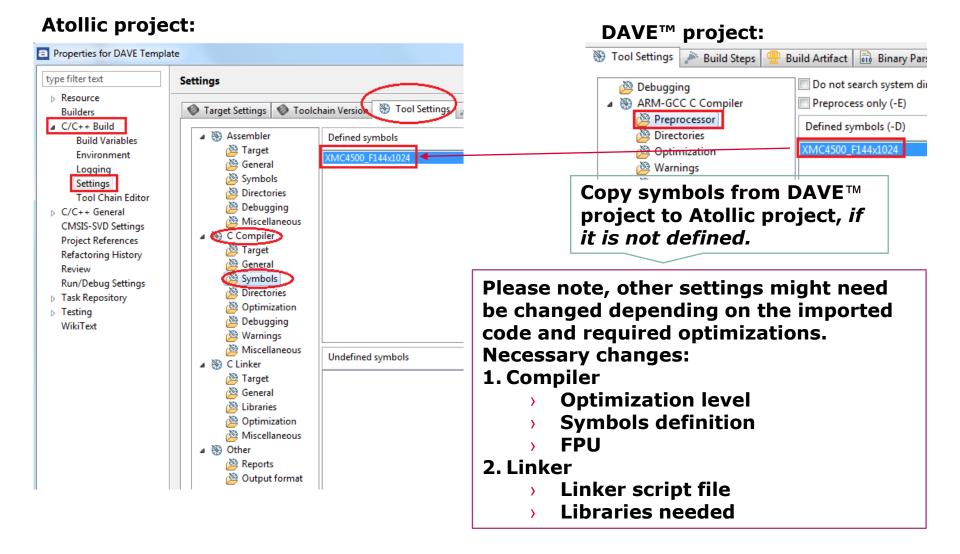




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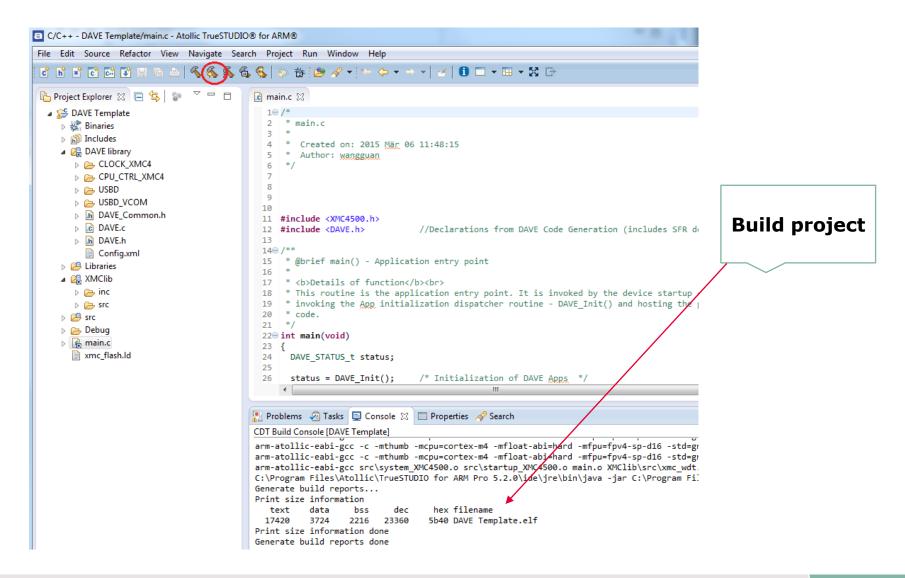


Step 8: Tool settings





Step 9: Build the project





Support material

Collaterals and Brochures





- Product Briefs
- Selection Guides
- Application Brochures
- Presentations
- Press Releases, Ads

> www.infineon.com/XMC

Technical Material





- Application Notes
- Technical Articles
- Simulation Models
- Datasheets, MCDS Files
- PCB Design Data

- www.infineon.com/XMC
- Kits and Boards
- DAVETM
- Software and Tool Ecosystem

Videos



- Technical Videos
- Product InformationVideos

- Infineon Media Center
- XMC Mediathek

Contact



- Forums
- > Product Support

- > Infineon Forums
- <u>Technical Assistance Center (TAC)</u>



Glossary abbreviations

DAVE™ Free development IDE for XMC™

LLD Low-Level Diver



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