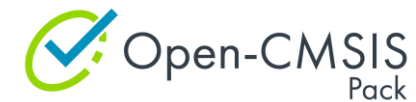


# Open-CMSIS-Pack

Technical Project Meeting 2023-07-04

This meeting is recorded !



# Agenda

- Welcome
- Project Boards
- CMSIS-Toolbox 2.0.0
- Topics to review
- Wrap Up

# Boards:

- [Open-CMSIS-Pack Specification Change Board](#)
- [CMSIS-Toolbox 2.0 Project Board](#) => Read Only
- [CMSIS-Toolbox 2.1 Project Board](#)

# CMSIS-Toolbox 2.0.0

- [CMSIS-Toolbox 2.0.0](#)
  - Released on Friday 2023-06-30

## **cpackget:**

- version 1.0.0

## **cbuild / csolution:**

- version 2.0.0
- `--help` output harmonized between cbuild and csolution
- experimental support for CLANG (<https://github.com/ARM-software/LLVM-embedded-toolchain-for-Arm>)
- fixed: accept default linker script from different filesystem drive, enabled linker defines as trigger for preprocessing

## **toolbox:**

- Documentation -> <https://github.com/Open-CMSIS-Pack/cmsis-toolbox/tree/main/docs#readme>

# Topics to Review

- [cbuild] Can't link my code, file not found when using absolute path [#984](#)
  - Closed - could no longer be reproduced

## In Progress:

- [cbuild/csolution] Add option to replace a context in a context set [#1040](#)
  - was excluded from 2.0.0
- [csolution] Explicitly check all file references in YAML Input for case, forward slashes and relative paths [#1020](#)

## Starting:

- [csolution] Investigate new CMakeLists.txt generation [#1044](#)
- [cpackget] command to list available updates for all installed pack versions [#195](#)

## Feedback:

- [csolution] Cannot generate archive library with “.a” extension for AC6 [#1043](#)

# Reminder: Priorities after CMSIS-Toolbox 2.0.0

- Detailed investigation of new CMakeList.txt generation for the whole solution
  - Deprecating \*.cprj intermediate format for a single context
  - [Post/Pre build steps](#)
  - Integration of existing images (that are i.e. generated using CMake)
- Enhance tool usability for projects that use layer composition (discovery)
- Generator support for CubeMX ([#1022](#)) / generator dry-run (STMicroelectronics)
- Adding support for license set in csolution and cpackget
  - Output license information in \*.cbuild.yml
- Reproducible builds / lock file (\*.cbuild.yml instead of \*.cprj)
- [Toolchain abstraction: FPU, endianness](#)
- [ASM Specific nodes for define and add-path](#)
- [Resource Management](#)

# Wrap Up

Is anyone preparing/working on a topic to present and discuss in the coming weeks?

- Please contact [Joachim.Krech@arm.com](mailto:Joachim.Krech@arm.com) ahead of the meeting

Vacation season is starting, should we pause our meetings?

- Pause meetings from 25<sup>th</sup> July - 15<sup>th</sup> Aug 2023 (agreed during meeting).

No meetings on: 2023-07-25, 2023-08-01, 2023-08-08, 2023-08-15

Should we decrease the frequency of meetings to every other week?

- No, meetings will be shorter than 1 hour if no items left on the agenda.

Next Open-CMSIS-Pack meeting: 11th July 2023 @ 16:00 CET (15:00 UK)

Thank you

