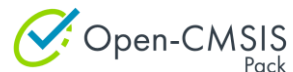# Open-CMSIS-Pack

Technical Project Meeting 2024-03-26

This meeting is recorded!

Agenda

- Welcome

- Project Boards

- CMSIS 2.3.0-dev0 - release candidate

- Demo - cbuild setup

- Discussion

- Issues for Review

- Wrap Up

Boards:

- [Open-CMSIS-Pack Specification Change Board](#)

- [CMSIS-Toolbox 2.3.0 Project Board](#)
  - Release candidate [2.3.0-dev0](#) 25th Mar. 2024 - provide feedback - *! New !*
  - Release targeted for April 4th 2024

- [CMSIS-Toolbox 2.4.0 Project Board](#)
  - Please review and provide feedback in case you see topics missing
  - (Re-)Add issues or comment on existing issues that you think must be in 2.3.0

CMSIS-Toolbox 2.3.0-dev0

- Experimental CMake file generator 0.9.0-dev0 (cbuild2cmake)
    - cbuild <my-solution>.csolution.yml --cbuild2cmake
    - Report feedback here: https://github.com/Open-CMSIS-Pack/cbuild2cmake/issues
- Build orchestration utility 2.3.0-dev0 (cbuild)
    - Introduction of `cbuild setup` command
        - Identify compatible layers #1379
- Project Manager 2.3.0-dev0 (csolution)
    - Introduce `optimize: debug` for optimum debug illusion #1384
- Package Installer 2.1.0 (cpackget)
    - Strip build meta information from version #268
- Generator Bridge 0.9.3 (cbridge)
    - Runs as daemon until generator terminates #30
    - Generates MX_Device.h for CMSIS-Driver configuration #16

Linaro

Demo

- Demo `cbuild setup` (Sourabh, Arm)

Discussion

- Adding to scope for CMSIS-Toolbox 2.3.0
  - [cbuild/csolution] setup - error status reporting [#1385](#)
  - [csolution] add `description` node to `<solution>.cbuild-idx.yml` [#1383](#)
  - [csolution] schema files for `*cbuild*.yml` shall allow future additional properties [#1397](#)

- Rescheduled => not in 2.3.0:
  - Remove device/board nodes from cproject schema [#1252](#)

- Extend `/package/requirements` with targets for device, board, and processor dependencies [#296](#)

- Document how to create examples that work across toolchains [#1281](#)
  - Using cdefault.yml file in solution's workspace - feedback?

Issues for Review

- [cpackget] no support for packID format minimum version [#272](#)
  - cpackget add ARM::CMSIS@>=6.0.0 will redirect output to file "=6.0.0"

Wrap Up

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

- Please contact Joachim.Krech@arm.com ahead of the meeting

- No meeting planned on 9th Apr. 2024 due to Embedded World
- CMSIS Event @ Embedded World -
  - NCC Mitte, Lissabon Room, Nuremberg, Germany
  - Tuesday April 9th 2024 - 17:30 - 19:00
  - Registration: https://events.arm.com/cmsisevent-ew24

Next Open-CMSIS-Pack meeting: 2nd Apr. 2024 @ 16:00 CET (15:00 UK)

Thank you