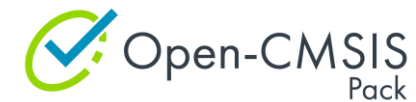


Open-CMSIS-Pack

Technical Project Meeting 2023-02-21

This meeting is recorded !



Agenda

- Welcome
- Boards
- Reference Application Framework
- Topics
- Wrap Up

Boards:

- [Open-CMSIS-Pack Specification Change Board](#)
- [CMSIS-Toolbox 2.0 Project Board](#)

Topics:

- Requested by STMicroelectroncis for 2.0.0:
 - Are we able to "link" multiple cprojects thinking build process ? [#662](#)
 - Source patterns have to be supported (as well as related excluded ones) [#82](#)
 - Permissive project list within csolution.yml [#376](#)
 - Issues with output-dirs. [#557](#)
- [cbuild] Select the toolchain from the command line [#748](#) (new)
- [csolution] GNU Linker flags order when linking libraries [#735](#) (2.0.0)
- [csolution] Add generator files from components to cbuild.yml [#722](#) (review)
- [csolution] Use local version of `cbuild` during integration tests [#750](#) (new)
- [cpackget] Duplicate error message for local pack not found [#151](#) (new)
- [csolution] isDefaultVariant ignored for partially specified component [#740](#) (review)
- [spec] How is `deprecation` indication handled? [#210](#) (review)
- [csolution] silently skips incorrect condition element [#744](#) (discussion)

Reference Application Framework

- Introduction: [Reference Application Framework](#) (proposal)

CMSIS-Toolbox 1.5.0

- [cpackget] - handle pack requirements - list/install required packs
- [cbuild] - read csolution.yml and build all contexts from a configuration
- [csolution/cbuildgen]
 - rework toolchain registration and list toolchains
 - add `--toolchain` option for compiler selection
 - add `output` filenames customization handling
 - add `gendir` component instance attribute
- [csolution]
 - accept `packs` node in cproject and clayer files
 - add `for-board` and `for-device` nodes in clayers
 - format RTE context specific subfolder `_<build-type>_<target-type>`
 - add `\$Pname\$` access sequence
 - add `--clayer-path` option for `list layers`
 - add `--debug` option for increased verbosity
 - support for IAR linker script extension `.icf`

Wrap Up

Timelines:

- CMSIS-Toolbox 1.5.0 targeted for 2023-02-24
 - CMSIS-Toolbox 2.0.0 for June 2023
 - Pre-releases early April and May 2023
 - Including changes breaking compatibility
-
- Heads up: no meeting on 14.03.2023 due to Embedded World 2023
- Next Open-CMSIS-Pack meeting: 28th Feb. 2023 @ 16:00 CET (15:00 UK)

(REMINDER) CMSIS Meeting @ embedded world 2023

- At embedded world, we are inviting partners to join our CMSIS update meeting
- Date: March 14th, 5.30 pm
- Venue: Room Lissabon, NCC Mitte
- Register: cmsis@arm.com



Thank you

