Open-CMSIS-Pack

Technical Project Meeting 2023-02-28

This meeting is recorded !

Agenda

- Welcome

- (Boards)

- CMSIS-Toolbox 1.5.0

- CMSIS-Toolbox in VSCode

- Topics

- Wrap Up

Boards:

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

- [CMSIS-Toolbox 2.0 Project Board](#)

CMSIS-Toolbox 1.5.0

- Released on Friday 2023-02-24 - thanks a lot to everyone who had contributed

- [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`

CMSIS-Toolbox in Visual Studio Code

- [Open-CMSIS-Pack](#) Landing Page
- [Getting Started Csolution Development in VSCode](#)
  - vcpkg artifacts
    - CMSIS-Toolbox
    - CMake
    - Ninja
    - GCC - arm-none-eabi

Topics:

- [projmgr/buildmgr] Support for access sequences in `misc` flags #766
- [projmgr/buildmgr] enforced component selection #774
- [cpackget] cpackget 0.9.2 fails to install required pack #158
- [RTE Model] configuration file PLM .base file should not be copied (bug) #773
- [cbuild] Add toolchain selection and configuration using wildcards #43
- [Generator] .GPDSC location clarification #207

Wrap Up

Timelines:

- 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: 7th Mar. 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