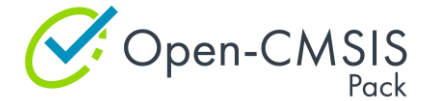# Open-CMSIS-Pack

Technical Project Meeting 2021-11-23

This meeting is recorded !

Agenda

- Activities from last two weeks
- Progress on Project Manager
- Reference Software to evaluate User Stories
- Wrap Up

Activities from last two weeks

- Project Manager: Overview.md discussion captured in #43
  - Discussion about Rust, Cargo, crates and xPack redirected to #48
  - Content/Size of Packs need guidelines/checks (Action Eric)
  - Clarification:
    - Workspace != Solution
    - Solution == a collection of projects
    - Solution is currently not bound to (similar) HW
  - 6 'User stories' proposed for testing growing complexity
  - Deterministic construction of projects required
  - .csettings -> the scope and settings needs further review (Eric)

Project Manager (projmgr) – Progress (Daniel)

Already implemented: solution parsing, build-type and target-type handling, compiler misc flags handling, CPRJ generation

Test case: Trustzone Solution

- 2 projects: Secure and NonSecure
- 2 target-types: CM33 and CM35P
- 2 build-types: Debug and Release

All combinations result in 8 contexts = 8 CPRJs

Next features to be implemented:

- 'include' and 'exclude' handling
- 'layers' handling
- 'default' and csettings.yml file
- device discovery from 'board'
- compiler flags abstractions ('optimize', 'debug', 'warnings'), defines, includes and related changes in build manager
- pre/post build steps

Complex Reference Software

- Smart Home Total Solution - Keyword Recognition
    - https://github.com/arm-software/ATS-Keyword

- Alternative Proposals (Frederic)

Wrap Up

- cpackget gets included in CMSIS-Build release
  - Release build is awaiting adoption of some tests
- projmgr – targeting to publish development snapshot for review in 2 weeks

- Action all: suggest agenda points ahead of the next meeting
- Action all: provide review feedback and progress issues

- <mark>We meet in two weeks' time !!!</mark>
- Next Open-CMSIS-Pack meeting: 7th Dec. 2021 @ 16:00 CET (15:00 UK)

Thank you