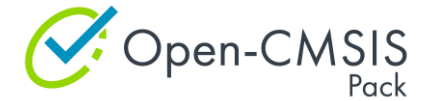


Open-CMSIS-Pack

Technical Project Meeting 2021-11-09

This meeting is recorded !



Agenda

- Activities from last week
- PackChk, Schema and Documentation maintenance
- Project Manager Overview
- Wrap Up

Activities from last week

- Fully and partially specified string for components [#41](#)

`(Cvendor::)?Cclass:Cgroup(&(bundle|sub|variant|version|pack|condition)...)`

- E.g. `CMSIS:Core&version=5.0.6<=* &sub=SubComp`
- noisier, however less position dependant and extensible

- Pack Search Path [#9](#)

- Magic hidden folder: `projectDir/.cmsis_pack_root`
- Add settings file to inherit:

- `inherit (true|false) # all/none $CMSIS_PACK_ROOT`
- `Inherit <vendor.name.version> # ARM.*`

- Attribute types cannot be decimal [PR #37](#)

- Pending Pack Schema change Pull Request
 - discuss change process in next slides

PackChk, Schema and Documentation maintenance

- PackChk was added to the devtools repository:
 - <https://github.com/Open-CMSIS-Pack/devtools/tree/main/tools/packchk>
- PackChk is essential part of the pack validation strategy
 - Check pdsc files against schema
 - PackChk validates pdsc and pack content
- Maintaining CMSIS-Pack requires
 - Documentation, Schema and PackChk to be in sync
 - Validation and testing
 - Backward compatibility, i.e., all public pdsc files (index.pidx) pass

Open-CMSIS-Pack Schema collaboration

Add to GH
Wiki?

- Requirements kept as Architecture Decision Records (ADRs)
<https://github.com/Open-CMSIS-Pack/Open-CMSIS-Pack/tree/main/doc/adr>
- New/changed requirements by adding ADRs
 - raise a pull-request (PR) adding an ADR
 - present ADR during technical meeting
 - gather PR review and approval on GitHub
- Implementation by enhancing the schema (XSD)
 - raise a PR (referencing the ADR), changing
 - schema file, e.g., ./schema/pack.xsd
 - documentation, see ./doxygen/**/*
 - checks, see ./github/workflows/schema.yaml
 - PackChk checks, i.e., refer to PR in devtools
 - gather PR review and approval on GitHub

<https://github.com/Open-CMSIS-Pack/Open-CMSIS-Pack/pull/42>

Project Manager (projmgr)

- See: [Overview.md](#)
- Feedback and comments via [#43](#)

Wrap Up

- integrate cpackget in CMSIS-Build / buildmgr (Charles, Daniel)
- 'projmgr' prototyping (Daniel)

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

- Agreed during the meeting that we have no meeting next week
- Next Open-CMSIS-Pack meeting: 23rd Nov. 2021 @ 16:00 CET (15:00 UK)

Thank you

