Open-CMSIS-Pack

Technical Project Meeting 2022-03-22

This meeting is recorded !

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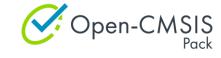
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Agenda

- Welcome
- Updates from last two weeks

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- Update on 'csolution' / 'cbuild' ۲
- Update on 'cpackget'
- Wrap Up

Updates from last two weeks

- Component Instances (<u>#76</u>): <u>Proposal</u>
- Directory Structure (<u>#221</u>)
- Multiple DFPs in cprj (<u>#175</u>)
- Ability to create standalone project (<u>#93</u>)
 - Adding "project_path" for a local copy of component
 - Distribution of examples / granularity of packs
- Concerns around portability/openness of solutions (<u>#105</u>)
- Local replica of required packs at project level (#106)
- CMSIS-Pack generator component concept Proposal (<u>#104</u>)
- Can we trust the compiler version in cprj? (<u>#220</u>)



'cmsis-toolbox' update

Latest release: <u>CMSIS-Toolbox 0.9.2</u> (14th March 2022)

Build Manager:

- new support for IAR compiler.
- removed source file naming limitations.
- fixed: base path of pre-include files with config attribute, AC6/GCC cpu compiler option for Cortex-M33 with FPU and no DSP.

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Project Manager:

- added config files PLM.
- added pack selection support via pack keyword.
- added user provided linker script selection.
- added board's pack and identifier into generated cprj.
- updated schema for flexible vendor specific addon.
- fixed: device variant handling, component variant selection, remove invalid warning concerning processor usage.

Pack Installer:

- more verbose by default
- supports gracefully ending an installation when hitting CTRL+C.
- supports installing packs using only the pack name
- display cpackget version

'csolution'/'cbuild'progress and plans

Implementation progress table:

https://github.com/Open-CMSIS-Pack/devtools/blob/main/tools/toolbox/docs/progress.md

Plans for next release (~March 28th 2022)

- cdefault.yml handling
- defines/undefines/add-paths/del-paths at component/group/file level
- command *list boards*
- pack selection *path* handling
- fix solution translation controls keywords processing



'cpackget' progress and plans

Latest version (0.3.2):

Fixing: `cpackget` fails to list packs issue (git bash) #36

Discussion:

- Improve usability joining pdsc and pack commands (#35)
- `cpackget` to support yml packID syntax (<u>#33</u>)

Plans for next release:

- Pack management behind a proxy (#38)
- `cpackget` pack list does not show local packs ? (#37)



Wrap Up

- Issues to be reviewed during next week's call:
 - <u>https://github.com/Open-CMSIS-Pack/Open-CMSIS-Pack-Spec/issues/23#issuecomment-1061812858</u>
 - https://github.com/Open-CMSIS-Pack/devtools/issues/82
 - <u>https://github.com/Open-CMSIS-Pack/devtools/issues/224</u>
- Slides and Recording from last week's CMSIS Webinar will be in today's <u>Meeting Notes</u>
- Action all:
 - Your feedback on the proposals as well as the questions raised are essential
- Next Open-CMSIS-Pack meeting: 29th March 2022 @ 16:00 CET (15:00 UK)



Thank you

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