



# Project Shadowfax: Componentization working group

8th June 2021 15:00 UK time

Note: This meeting is recorded

arm

Thank You

Danke

Merci

谢谢

ありがとう

Gracias

Kiitos

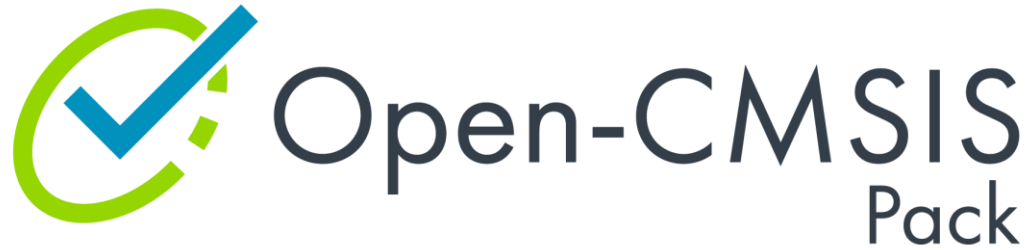
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## Technical Project Meeting

8th June 2021 15:00 UK time

Note: This is a **PUBLIC** meeting being recorded

# Agenda

- Actions from last week
- Goodbye Shadowfax Componentization – Hello Open-CMSIS-Pack
- Conclude Discussions
- Wrap Up

# Actions from last Week

- Invite sent for “Follow Up discussion” for 2021-06-07 15:00(UK)
  - Discussing problem statement presented by Laurent last week (drivers features)
  - [Recording](#)
- Pull request [#212](#) – ADR – Changelog – merged by Jonatan
- Pull Request [#186](#) - Reminder for Petr K. to approve
- Reminder: Action all to review/comment on details added to [#15](#) (MVP)

# Announcements from last week

- [Linaro Blog](#) by Francois Ozog
- Project home page: [www.open-cmsis-pack.org](http://www.open-cmsis-pack.org)
- [ARM Press Release](#) by Reinhard Keil

This project is the starting point for evolving the CMSIS-Pack technology into a true open standard for MCU software component packaging, targeting key interfaces for major IoT platforms and producing a framework that can be embraced across the ecosystem

The Open-CMSIS-Pack project will deliver the infrastructure to integrate and manage software components and improve code reuse across embedded and IoT projects.

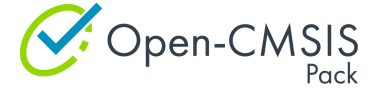
... an incubation project by Linaro in partnership with Arm, NXP and ST.

# Goodbye Shadowfax – Hello Open-CMSIS-Pack



## ARM + partners

- PRIVATE / by invitation from Arm
- Componentization Working Group
- Working Group Meeting
- GitHub: [github.com/ARMmbed/shadowfax-architecture](https://github.com/ARMmbed/shadowfax-architecture)
  - Discussion
- Issues: [github.com/ARMmbed/shadowfax-architecture/issues](https://github.com/ARMmbed/shadowfax-architecture/issues)
- Teams: [Arm Sharepoint](#)
  - Presentations, recordings
- Email group: [shadowfax-wg-components@arm.com](mailto:shadowfax-wg-components@arm.com)
  - Meeting invites and minutes
- Slack: ext-shadowfax-wg-components (unused)



## Linaro IoT and Embedded Group (LITE)

- **PUBLIC**
- Open-Source Project under LITE Group
- Technical Project Meeting
- GitHub: [github.com/Open-cmsis-Pack](https://github.com/Open-cmsis-Pack)
  - Discussion
- JIRA: <https://linaro.atlassian.net/jira/software/c/projects/CMSIS>
- Wiki: <https://linaro.atlassian.net/wiki/spaces/CMSIS>
  - Meeting Page: minutes, presentations, recordings
- Mailing List: [Open-CMSIS-Pack-dev<at>op-lists.linaro.org](mailto:Open-CMSIS-Pack-dev@op-lists.linaro.org)
  - Meeting invites and minutes (link)
  - Subscribe/unsubscribe:  
<https://op-lists.linaro.org/mailman/listinfo/open-cmsis-pack-dev>

# Relationship with LITE Group

- Project is accountable to the LITE Steering Committee (SC)
  - With representatives from STMicroelectronics, NXP, Linaro and Arm
- Monthly reporting is through a project lead (Joachim Krech, Arm)
  - Health check and engineering report (automation requires use of JIRA)
- Project manages day to day activities autonomously
  - Specifies pace and scope given available resource, plans sprints and sets technical directions  
BUT
  - Seeks for approval from the SC regarding strategy, priorities and evolution



# Ways of working within LITE, Linaro

- This WG mandate is as before
  - Open CMSIS Pack WG continues to dictate scope of work and day to day activities
  - Linaro considers the WG a technical project meeting
- Project is accountable to the LITE SC
  - Reporting by Joachim (project lead)
  - Project visibility/openness defined by LITE SC
- Uses Linaro infrastructure (Jira, Confluence)
  - Project has its own Confluence space (not hierarchical under LITE)
- Code repos
- Linaro mailing lists

# Data Transition

- Access to Shadowfax sharepoint and github repository remains for the time being
- No content is (re-)moved without prior group consent
  - Need to agree on suitable migration process
  - ADRs
    - Accepted: Should reflect purely technical consensus. Objections on moving them as is?
    - Pending: Author to reraise pull-request against public repo if desired.  
Discussions will be left behind.
  - User Stories
    - Accepted stories: Story definitions (i.e. issue description) to be copied as is if no objection raised.
    - Proposed stories: Author to reraise issue against public repo if desired.  
Discussions will be left behind
  - Discussions
    - Answered: Follow-up action (e.g. new stories, new ADRs) against public repo.
    - Unanswered: Author to reraise discussion against public repo if desired.

# Plans

- Complete <https://github.com/Open-CMSIS-Pack/vidx2pidx> as “reference repository”
  - GitHub discussion
  - Review and discuss structure of repositories
  - CI / CD
- Seeking for contributions focusing on Pack creation and validation
- Arm to contribute CMSIS-Pack libraries and tools
- Migrate specification / documentation for CMSIS-Pack and CMSIS-Build from CMSIS\_5
- Project management CLI tool MVP

# Conclude Discussions

5 Discussions to be continued...

## Open discussions ...

- Index vs. Host vs. Web ([#184](#))
  - What is the information/services we expect from a Pack-Online-System?
- CMSIS Build tools ([#162](#))
  - May we create something similar (like git) on project manipulation level?
- CMSIS-Pack Cbundle issue ([#172](#))
  - identify root cause of bundle issue
- Default variant flag in CMSIS pack ([#168](#))
  - use record order of variants instead of "default" flag
- Pack attributes versus component attributes ([#161](#))
  - What other pack attributes and properties may cause confusions?

# Wrap Up

## Actions and Next Steps

- Optional Meeting Slot Monday Jun. 14th, 2021 15:00 – 16:00 (UK)
  - Discussion outside WG meeting: **skipped**
- Action all:
  - Drive GitHub Discussions to “answered”
  - Review all items to be moved to Linaro systems
    - Reraise pending ADRs/discussions/stories
  
- Next regular technical meeting: Tuesday June 15th, 2021 15:00 – 16:00 (UK)

arm

Thank You

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