

# Open-CMSIS-Pack

Technical Project Meeting 2023-01-31

This meeting is recorded !



# Agenda

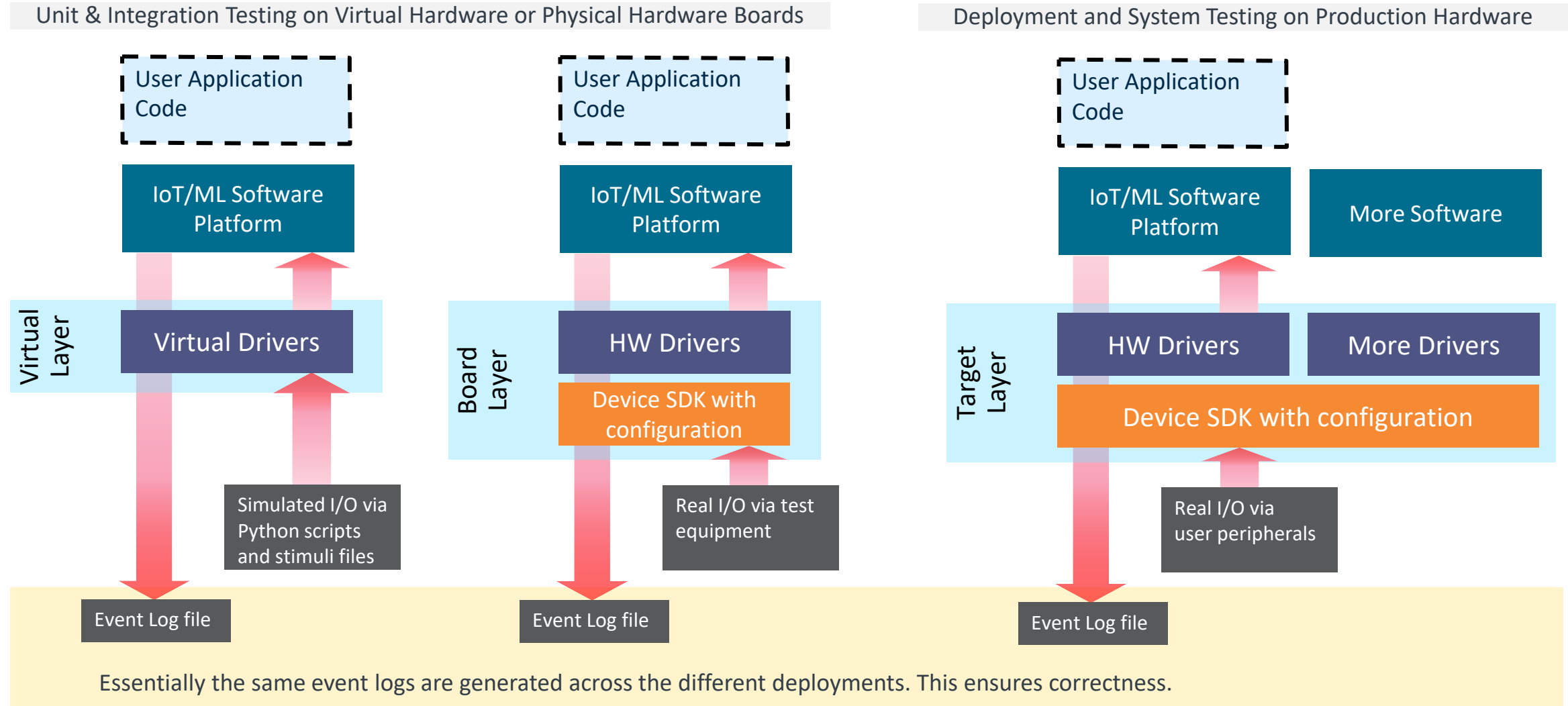
- Welcome
- Software Framework using Layers (Demo)
- Topics / CMSIS-Toolbox 2.0 Project
- CMSIS Meeting
- Wrap Up

# Software Framework using Layers

- By Robert Rostohar (Arm)
- Introduction
- Demo
  - Source: [https://github.com/RobertRostohar/NXP\\_Sensor\\_SDK/tree/pack](https://github.com/RobertRostohar/NXP_Sensor_SDK/tree/pack)
  - Requires: [cmsis-toolbox 1.5.0-dev1](#) which includes change requests from [#643](#)
- Q & A

# Application Software – from Virtual to Physical Hardware

Provide evidence of correctness on Arm Virtual Hardware Target and Physical Hardware



# Topics:

- [CMSIS-Toolbox 2.0 Project Board](#)
- [spec] Exclusive Selection of component within a Cclass [:Cgroup] [#194](#)
- [cbuildgen] Improvements for toolchain registration [#699](#)
- [cpackget vs. csolution] File permission for 'generator' [#117](#)
- Add support for some agreed specification changes:
  - [RTE Model] Add support for new file attributes `language` and `scope` [#701](#)
  - [RTE Model/csolution] Add condition evaluation for `Bvendor` `Bname` `Breversion` [#702](#)
  - [RTE Model] Add support for `` and `` from `` [#703](#)
- Feedback on Linker Script Proposal [#655](#)
- Ongoing:
  - [csolution] \*.genlayer.yml to specify dependencies on components [#637](#)
  - [csolution] How to add a compiler toolchain to CMSIS-Toolbox [#493](#)

# CMSIS Meeting @ embedded world 2023

- At embedded world, we are inviting partners to join our CMSIS update meeting
- Date: March 14<sup>th</sup>, 5.30 pm
- Venue: Room Lissabon, NCC Mitte
- Request an invite: [cmsis@arm.com](mailto:cmsis@arm.com)



# Wrap Up

## Actions for all:

- Review “Proposals” + ToDo in [Manual](#)
- Review Issues in [devtools](#), cpackget, cbuild and [Open-CMSIS-Pack-Spec](#)
  - Add to project: CMSIS-Toolbox 2.0
- Agree on feasible implementation timeline (**until 15. Feb 2023**) !!! 2 weeks !!!

- Next Open-CMSIS-Pack meeting: 7th Feb. 2023 @ 16:00 CET (15:00 UK)

Thank you

