Open-CMSIS-Pack

Technical Project Meeting 2022-10-18

This meeting is recorded !

Agenda

- Welcome
- Change Boards
- Confirm Decisions
- For Review
- Scope of a “solution” (#450)
- Wrap Up

Review Change Boards

- Pack Specification Change Board
- Solution Specification Change Board

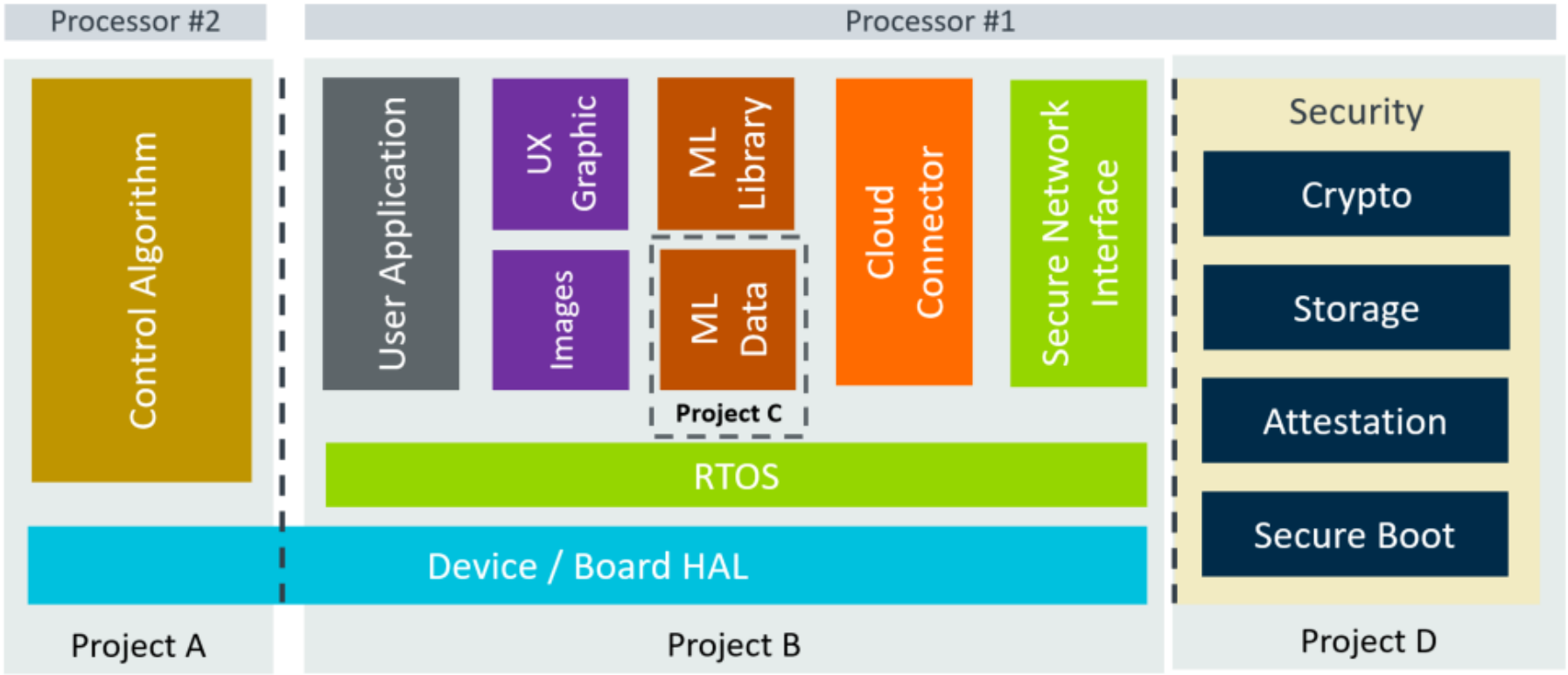
Confirm decisions

- Example hosted under Open-CMSIS-Pack organization: https://github.com/Open-CMSIS-Pack/AWS_MQTT_MutualAuth_SW_Framework
- All specifications will be moved under Open-CMSIS-Pack-Spec into separate directories: pdsc, csolution, cbuild, cprj
- For discussing #466 - Best way to handle component selection/removal
  - Joachim has the action to propose a dedicated meeting
- C and C++ linker flags support #224 PR #492
  - Proposal 2 - no objections raised
- Continue to release unsigned binaries until we see clear demands for a “Linaro distribution”

For Review

- Local support in cproject.yml for build-type / target-type #450
  - Reusability of cproject
  - Map for types to projects in csolution with multiple projects
- Optional RTE creation #371 (PR #432 discussion ongoing)
- Any feed back on project structure ?
  - AWS_MQTT_MutualAuth_SW_Framework (feedback NXP)
  - Branch gcc_test
- Handling of config files with multiple toolchains #166
- [projmgr] Schemas v1.2 for projects is not backward compatible with v1.1 #528
- Should some features be deprecated?
  - i.e. Board/device selection at cproject.yml level

Scope of a "solution"



Additions to YML-Input-Format.md

- Processor - name (pname) specification added to cproject.yml level
- Setups – extended with processor attributes

target/build-type mapping to context type

Add ‘context-map’ to target-types and build-types which olves two problems:

- Re-use of cproject.yml files that use different target/build types then csolution.yml
- Define how multiple project contexts are combined to a solution.

A context name is: [project-name][.build-type][+target-type]

At csolution.yml level build/target-type is used.

- At cproject.yml level context is used.

By default the build/target-types are mapped 1:1 to the context name.

With `context-map:` it is possible to re-assign this mapping for a specific project in the csolution.yml file.

This addresses #450.

Wrap Up

- Other review “asks” before finally closing issues:
  - Anything still open for “Discussion Done” items.
  - Please help to resolve tickets with label: question

- Next Open-CMSIS-Pack meeting: 25th Oct. 2022 @ 16:00 CET (15:00 UK)

Thank you