





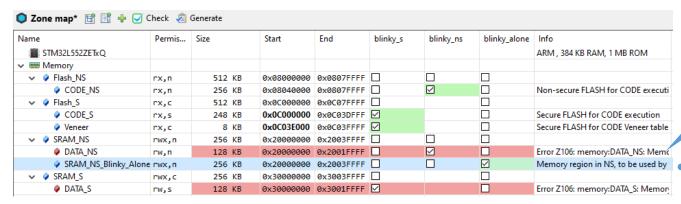
Agenda

- CMSIS-Zone for ST use cases [Jonatan]
- Revisiting 'projmgr'
- Open Topics
- Ongoing Activities
- Wrap Up



CMSIS-Zone for ST use cases

1. sequential execution contexts and memory re-use



2. using the MPU within an execution context



Error from auto-alignment

> Generation of different SAU setups required

01 01110010

01110 01101101

01111001

1110 01101101

101 01100100 00100000 01100101 0116

1130111 01101000 01100101 01110010 0110

TIIOO101 01110010 01100001 01110100 011

000 01101111

01100101 01100100 00100000 01100101 011 /00 01110100 01101111 00100000 011

01110111 01101000 01100101 01110010 0116

01101 01100001 01101110 01111601 0010000

101101111 01100110 01100

00101 01110010 01101000 0110

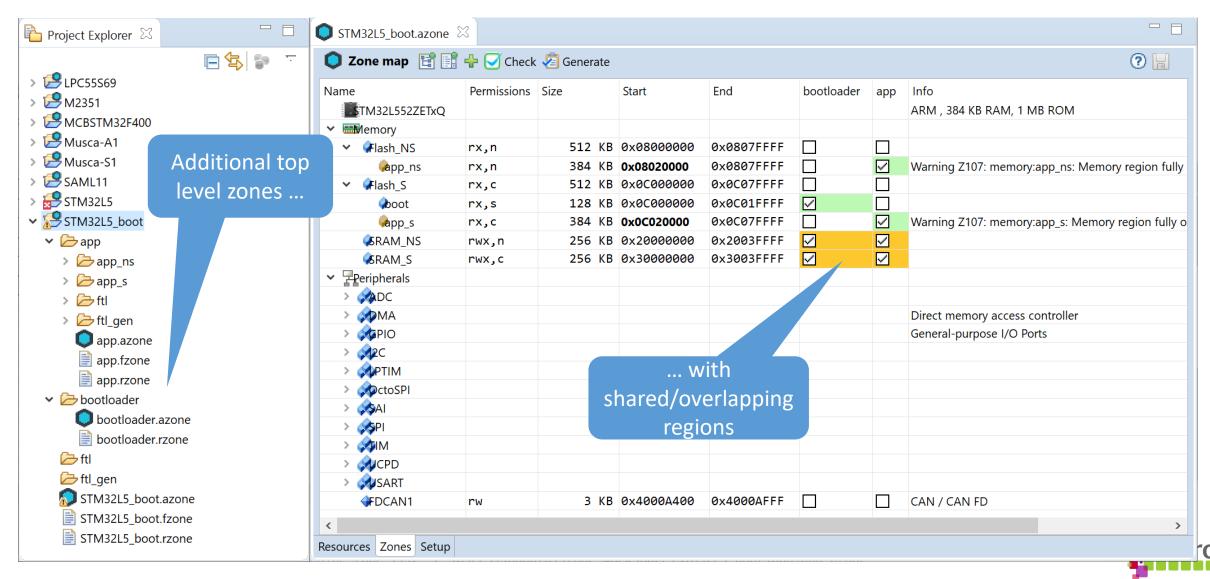
100000 01110100 01101111 00 011 00100000 01110111 0110

00100000 01110100 01101111 00100000

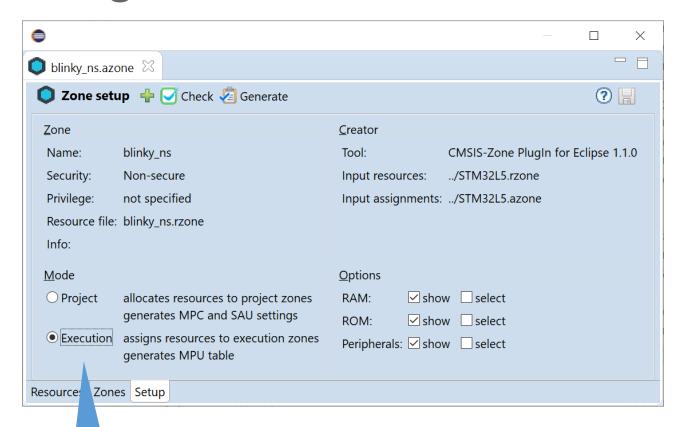
MPU needs **Execution Mode**

> MPUv8 template 01110010 01110011 00100000 missing

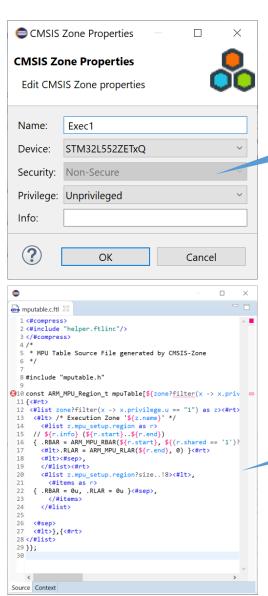
sequential execution contexts and memory re-use



using the MPU within an execution context



Mode set to Execution



Zones need to be unprivileged

MPUv8 template required



'projmgr'

- Fork: https://github.com/brondani/devtools/tree/mvp-prototype/tools/projmgr
- Feedback
 - Add to PR: https://github.com/brondani/devtools/pull/1
 - Action all: provide feedback on "nodes" and "tags" proposed <u>here</u>.
- Planned before merging PR:
 - Adding tests
 - Code restructuring
- Investigate:
 - Definition of the YAML Schema
 - Retaining formatting and comments when writing YAML
 - Alternative syntax for component reference
 - Alternative syntax for specifying with wildcards / regexp



Open Topics

- Multi-Context Terminology & Concepts (#33)
 - NXP feedback complexity -> can we simplify ?
- Template Engines (<u>#32</u>)
 - Conclude GAP analysis (Feature: evaluation language)
 - Comparison of template example (ease and scalability)
- Outstanding extensions to CMSIS-Pack specification
 - Address once documentation and schema moved
- Lockfile versus CPRJ file variant
- Extensible search path for packs / pack filter option



Ongoing Activities

- Migrate CMSIS-Pack docs to Open-CMSIS-Pack
- Update Glossary (https://github.com/Open-CMSIS-Pack/Open-CMSIS-Pack/wiki/Glossary)
- Integrate cpackget with buildmgr
 - Added support for license gating/acceptance
 - Add support for packlist file
 - Add support for updating index.pidx
- Arm prepares contribution of PackChk to 'devtools' repository



Wrap Up

- Please suggest agenda points ahead of the next meeting
- FYI:
 - AWS has used 'packgen' to generate and publish 16 CMSIS-Packs:
 - AWS.pidx

Next Open-CMSIS-Pack meeting: 26. Oct. 2021 @ 16:00 (15:00 UK)





