TF-M openCI changes proposal

Job coverage

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Agenda

• Job overview
• Per-parch job current coverage
• Per-parch job proposal
• Nightly job proposal
Job overview

Per-Patch

• Trigger by each patch on Gerrit
• Build and test on the most common regression test and platforms, e.g., Musca B/AN521/AN519
• Quick response to developers, expect less than 20 min
• Cover the major features with minimal effort

Nightly

• Trigger by timer every day
• Cover more combinations that not build from per-patch job, e.g., Profile/PSA Arch test/Debug or Minsizerel
• Expect finish in 2.5 hours

Release

• Trigger manually with specified tag during the release stage
• All combinations that for release required
• May tweak to align the test plan of every release
Per-parch job current coverage

**Build**
- AN521/AN519/Musca B1
- ARMCLANG/GNU
- IPC Level 1/2/3
- Release build type
- TFM regression
- Dual core
- BL2/OTP
- Docs
- Static checks (no vote)

**Run**
- FVP AN521/AN519
- MPS2 AN521
- Musca B1
Per-patch job proposal

Coverage

- Remove all physical board testing
- Remove all the QEMU run
- Add Musca S1 combinations
- Enable the static checks
- More features covered
  - Add Debug/Minsizerel
  - Add profiles

Mechanism

- No docs copy
- Parallel jobs sharing the source folder *
- VM dockers create in advance *

*under discussion
Nightly job proposal

• Remove the deprecated platforms
• Add the LAVA test on Musca B1, including one OTP case