Open CI auto parse
TF-M dependency versions
TF-M dependencies

- MCUBoot
- MBedTLS
- QCBOR
- PSA Arch tests
- tf-m-tests
- ...

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Previous CI Status

+ Dependency versions are fixed in Open CI
  - Need to create CI patch to update the fixed version when TF-M upgrades dependency version
  - CI may use unmatched dependency versions if CI update patch is missed
  - TF-M patches to upgrade dependency versions cannot be directly verified by *Allow-CI* with correct dependency version -- Need maintainers to manually trigger CI jobs with specified version

+ Patches for tf-m-tests cannot be verified by *Allow-CI* (per-patch job)
  - Need maintainers to manually trigger CI jobs to verify unmerged tf-m-tests patches
Current CI Status

Open CI parses dependency versions from TF-M before downloading dependencies
- No longer need to create CI patch to update dependency versions
- Make sure every TF-M commit is tested with correct dependency versions
- TF-M patches to upgrade dependency versions can be directly verified by Allow-CI with correct dependency version -- No need to manually trigger CI jobs

Unmerged patches in tf-m-tests can also be automatically verified with following steps:
1. Create a TF-M patch to update test version in `lib/ext/tf-m-tests/version.txt` to the tf-m-tests commit to be tested.
2. Start per-patch test with Allow-CI on the TF-M patch to update test version

Note: Unmerged patches for 3rd party dependencies cannot be covered
Example

- Verify tf-m patch to upgrade MCUBoot version
  https://review.trustedfirmware.org/c/TF-M/trusted-firmware-m/+/24550

- Verify tf-m-tests patch
  - tf-m-tests patch to be verified:
    https://review.trustedfirmware.org/c/TF-M/tf-m-tests/+/25060
  - tf-m patch to update test version:
    https://review.trustedfirmware.org/c/TF-M/trusted-firmware-m/+/25057
Thank You
Danke
Gracias
Grazie
谢谢
ありがとう
ありがとう
Asante
Merci
감사합니다
धन्यवाद
شكرًا
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