Upstream TF-M Binary

TF.org TSC, February 2025
STMicroelectronics

- Upstream tfm binary with TF-M open source project
  - Why? :
    - Customer benefits : direct reuse

- Binary will be update every new release.

- Ahmad ST : Would like TF-M binary to be hosted with TF-M repo for ease of integration

- Dan/Julius : Can't we just use the tf-binaries repo? https://git.trustedfirmware.org/plugins/gitiles/tf-binaries/+/refs/heads/master/readme.rst

- Eric ST : Requirements are slightly different.

- Anton: Concerned about side-effect of repo growth.

Follow up after decembre TSC

- Repo size risk (Anton question)
  - From ST experience, size tfm-secure binaries (profile large = 128 kb, profile small = 63 Kb) it doesn't seem an issue ?

- Options for upstream binary integration
  - 1- Upstream binary with source code (ST's favorite) :
    - This binary will be updated with every TF-M release by ST developer.
    - Binary will be signed with SHA-1.
    - Seem to ST more logical place for the user.

  - 2- Upstream binary in tf-binary repo :
    - Clear split between sources and binaries.

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