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Upstream TF-M Binary

TF.org TSC, February 2025
STMicroelectronics

ST initial perspective

- Upstream tfm binary with TF-M open source project
 - Why? :
 - Customer benefits : direct reuse
- Binary will be update every new release.



TSC minutes 2024-12-19

- 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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