



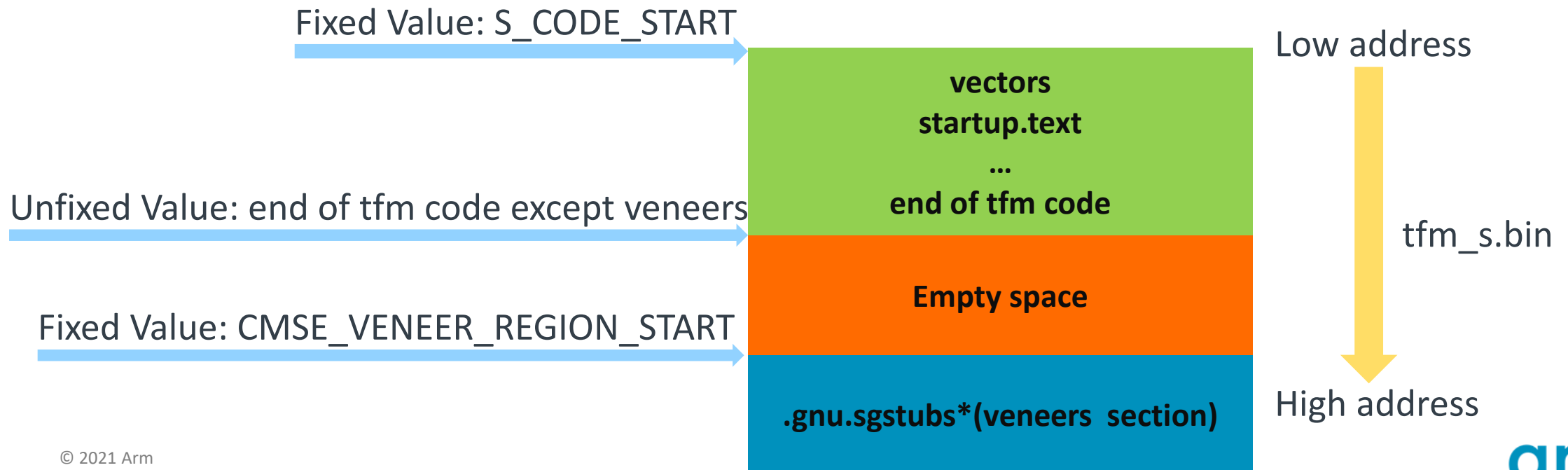
Eliminate unnecessary space in tfm_s.bin

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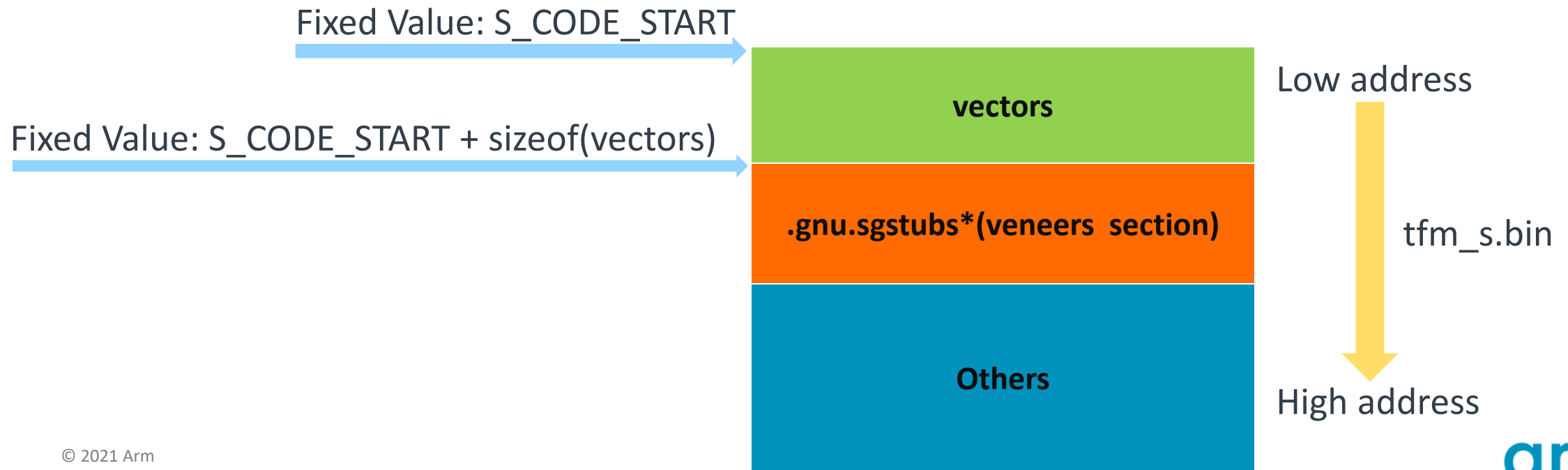
What's the problem?

- The veneers section is placed at a fixed address so that the secure image can be upgraded independently.
- The end of tfm code(except veneers) varies depending on build configurations.
- So empty space is reserved. tfm_s.bin always has the same size in different configurations(debug mode, release mode, profile small, medium and so on)

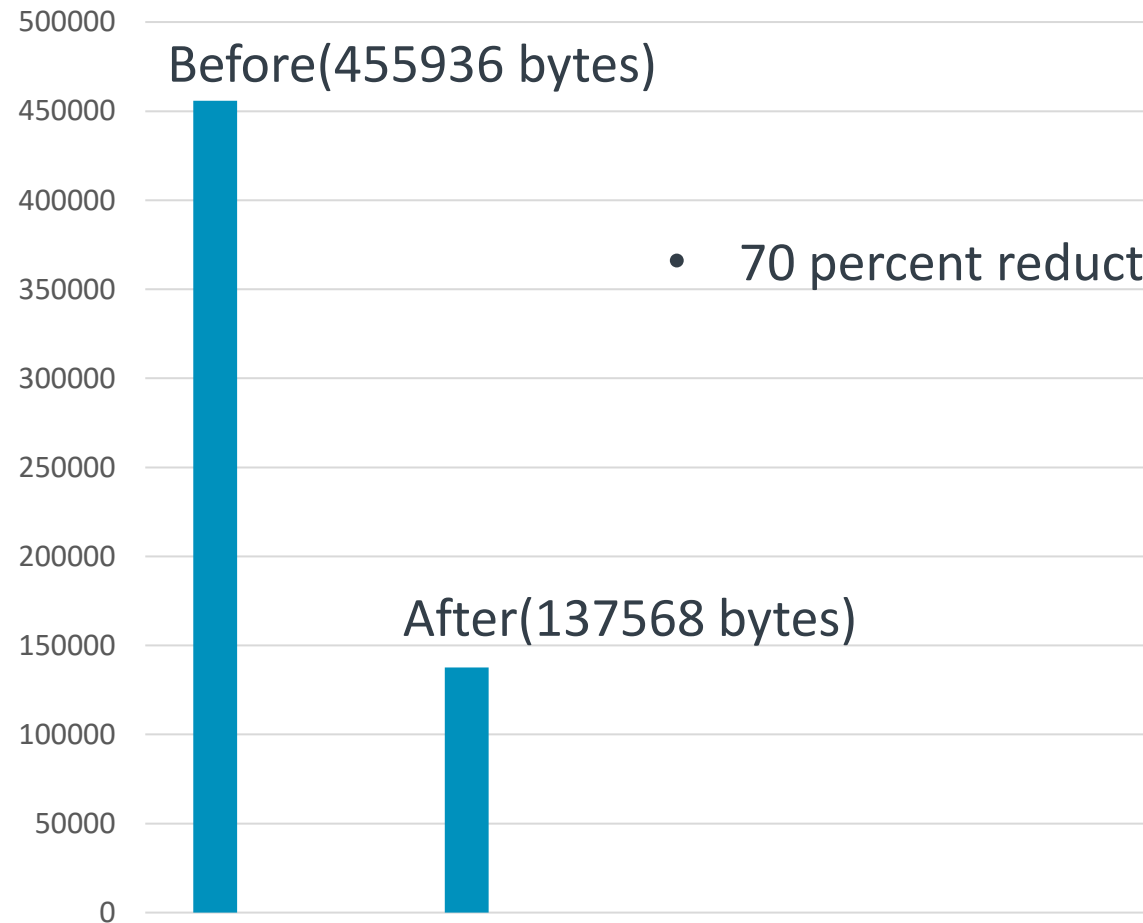


Proposed solution

- Move the veneers section to right after the vector section.
- Size of vector table is fixed for each platform. So, the veneers section is still fixed for each platform.



Comparison of size of tfm_s.bin on AN521



- 70 percent reduction with ARMCLANG compiler.

- <https://review.trustedfirmware.org/c/TF-M/trusted-firmware-m/+12620/>
- IAR compiler?

arm

Thank You

Danke

Gracias

谢谢

ありがとう

Asante

Merci

감사합니다

धन्यवाद

Kiitos

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