



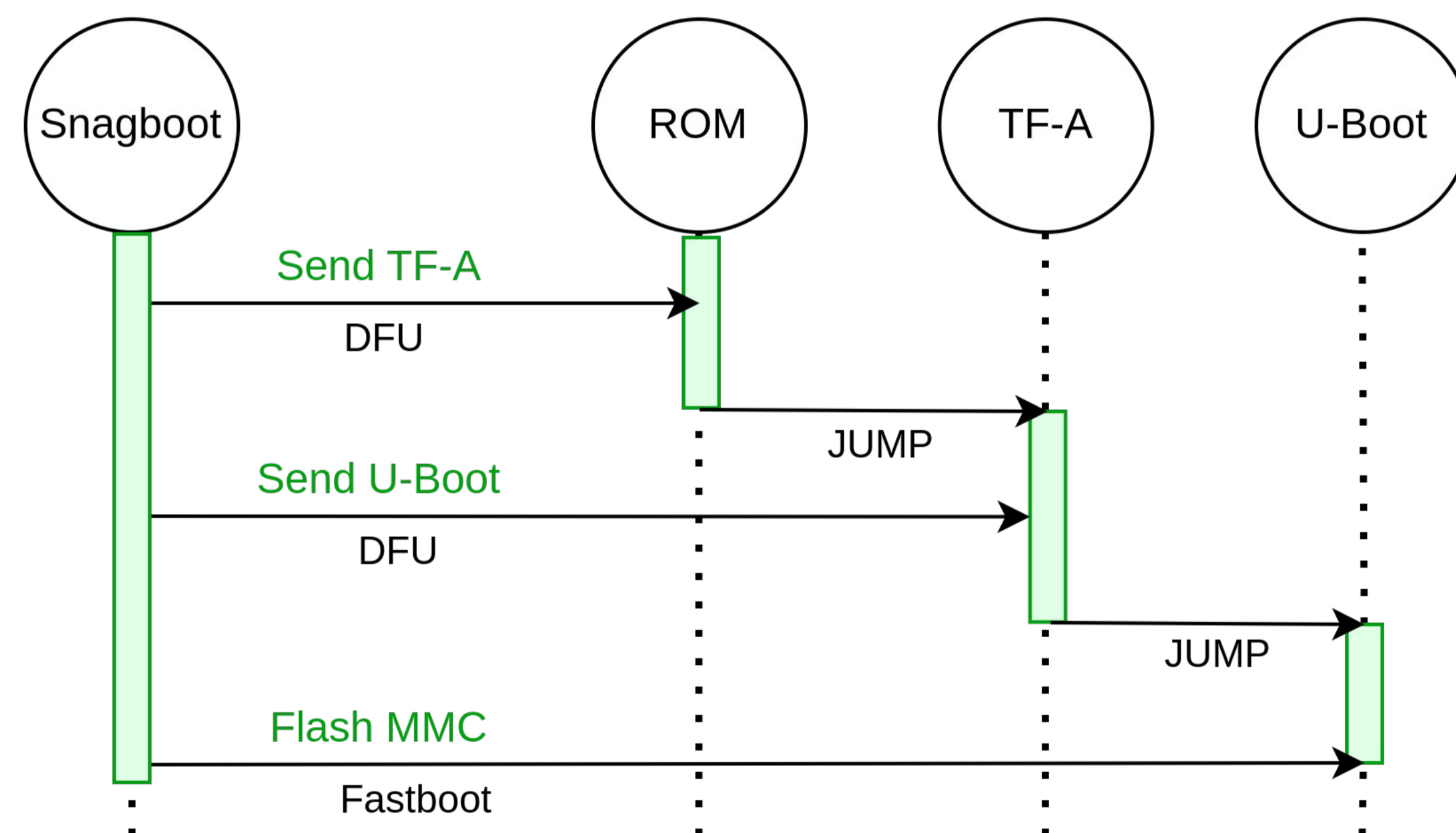
Snagboot: a generic recovery and reflashing tool

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What is demonstrated

Recovery + MMC reflash of an STM32MP1 board via USB

- The board is powered up in **DFU** mode
- **Trusted-Firmware-A** is loaded and executed using DFU
- **U-Boot** is sent to TFA and executed using DFU
- U-Boot is used to **flash** the board's MMC using one of:
 - DFU
 - UMS
 - Fastboot



Hardware Information

STM32MP157F-DK2 board from STMicroelectronics
STM32MP157 SoC
Cortex-A7 + Cortex-M4

What was improved

Recovery tools for embedded platforms tend to be vendor-specific:

- STM32CubeProgrammer for ST platforms
- SAM-BA for SAMA5 platforms
- UUU for I.MX platforms
- ...

Snagboot performs SoC recovery with the same user workflow for different types of SoCs. Currently supported SoC families are:

- STM32MP1
- SAMA5Dx
- I.MX6/7/8
- AM335x
- SUNXI
- AM62x

Flashing is done in a SoC-agnostic way, using U-Boot features.

Source code or detail technical information availability

Source code and docs: <https://github.com/bootlin/snagboot>