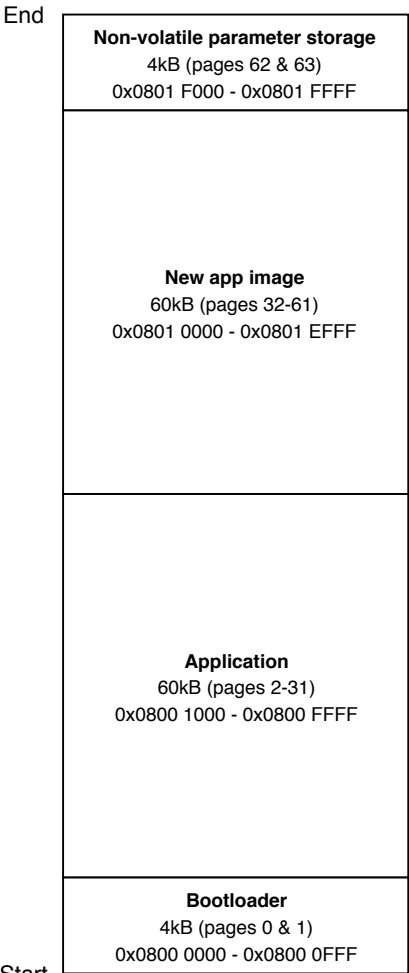


FlexiBMS Lite MCU Flash memory map



STM32L433CB6 has 128kB total flash memory
Memory organized as 2kB pages
-> 64 pages of flash memory

Reserve 2 pages for non-volatile parameters.
Allows to never perform page erase before verifying
that new values were written successfully

Bootloader behavior description:
Application loads new app image to the dedicated
FLASH memory via USB COM port communication
and verifies it's integrity.

Once successfully verified calls system reset and
iniatilizes to bootloader at the start of Flash.

Bootloader checks flash memory at new app image
address for values equal to 0xFFFFFFFF:

True (no data found): Jump to Application.

False (data found): Perform page erases for
Application address. Copy data from New image
address to Application address. Verify integrity.
Perform page erases for new app image pages.
Jump to Application.
