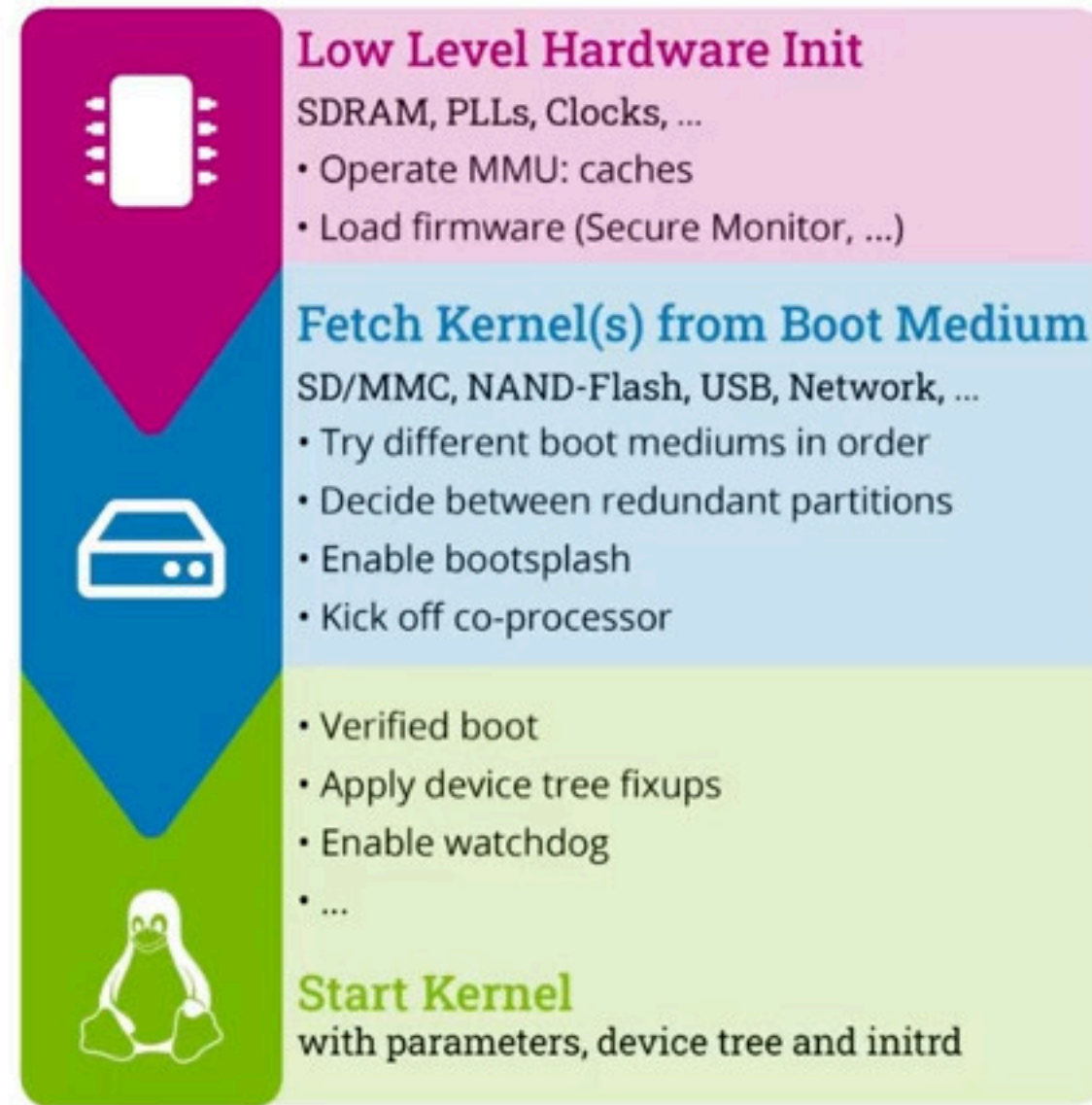# Bootloader: modern expectation

Low Level Hardware Init

SDRAM, PLLs, Clocks, ...
• Operate MMU: caches
• Load firmware (Secure Monitor, ...)

Fetch Kernel(s) from Boot Medium

SD/MMC, NAND-Flash, USB, Network, ...
• Try different boot mediums in order
• Decide between redundant partitions
• Enable bootsplash
• Kick off co-processor

• Verified boot
• Apply device tree fixups
• Enable watchdog
• ...

Start Kernel
with parameters, device tree and initrd

Pengutronix.