Raspberry Pi 4 running 64-bit openSUSE with kernel Live Patching

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What is demonstrated

RPi4 running mainline Linux:
- **U-Boot v2019.10**
- **Kernel v5.3**
  - plus submitted *upstream patches*
  - kernel Live Patching for CVE-2018-13405

What was improved

Contributions to upstream:
- RPi4 support for U-Boot
- DMA support for devices which can only access 1 GB of RAM
- Live Patching for arm64

Next steps in upstreaming:
- Kernel
  - fix PCI/Ethernet upstream
- reliable stack traces for Live Patching
- U-Boot:
  - one binary for RPi3/4
  - support Ethernet

Hardware Information

Supported hardware (work in progress):
SD card, USB type C, EFI frame buffer

Source code or detail technical information availability

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