ev3dev: Debian Linux on LEGO® MINDSTORMS EV3
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What is demonstrated

Build *anything* with LEGO parts
Do *anything* with open source software

What was improved

✔ Program robots with *any* programming language
✔ Common OS/drivers/libs for multiple hardware platforms
✔ Contributed upstream patches to:
  • Linux Kernel (mainline)
  • U-Boot
  • Buildroot
  • ConnMan
  • and more...
✔ Bootstrap SD card images with Docker and libguestfs

Source code or detail technical information availability

http://www.ev3dev.org

Hardware Information

LEGO MINDSTORMS EV3 (TI AM1808 ARM9 300MHz 64MB)
Raspberry Pi + BrickPi / PiStorms
BeagleBone + EVB / QuestCape

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