

## Technical Showcase

CE Workgroup Linux Foundation / Embedded Linux Conference

# 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



Check out some amazing creations

https://youtu.be/0d0ktACCwT4

#### Hardware Information

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

### 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



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