

Ubuntu ARM

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Topics

- What is Ubuntu ARM edition
- Challenges
- Future
- Community
- Resources

Ubuntu ARM

- Completely based on Ubuntu core technology
 - Complete rebuild of Main & Universe Repositories
 - Built for ARMv5

Ubuntu ARM

- What is Ubuntu ARM edition?
 - Completely based on Ubuntu core technology
 - GNOME desktop, mobile, recompiled for ARMv5 currently
 - Port of Main & Universe Repositories
 - 99% of the main archive and 96% of the Universe repositories compiled
 - Some optimization for VFP and NEON in librarys

Ubuntu ARM

- What is Ubuntu ARM edition?
 - Who is it for?
 - ODMs and OEMs making ARM Laptops and Netbooks, devices where full desktop support is desired/expected.
 - Community

Ubuntu ARM

- Challenges:
 - Historically has been deeply embedded and not a desktop environment
 - No X 2D or Mesa 3D accelerators.
 - Does have hardware acceleration but no drivers yet.
 - LiveCD images, try before install.
 - Upgrade cycle
 - Native Build Systems
 - Generalize Build process
 - No PCI bus

Ubuntu ARM

- Future:
 - 2 and 3D accelerated drivers for the desktop
 - Recompile for ARMv6 with multi core, VFP and NEON support turned on
 - Live daily images on selected ARMv7 hardware platforms
 - Will be for anyone with an ARM notebook or netbook device, to install or upgrade

Ubuntu Community

How do we involve community?

Ubuntu Community

- Open Engagement with the community for ARM platforms:
 - We have entirely transparent community processes.
 - Mobile track at Ubuntu Developer Summit (UDS), specifications that are open to community participation.
 - a Code Of Conduct.
 - a number of open and transparent community councils and boards
 - We use launchpad.net to make it easy to interact with different projects and community.

Ubuntu Community

- Open Engagement with the community for MID and netbook platforms:
 - Three person dedicated community team that also works to grow and propagate the community.
 - Work to use upstream Open Source software at the heart of our mobile solutions.
 - Engage with upstream communities and work with them.
- These are the driving forces behind change and growth in the Ubuntu

Ubuntu Resources

- <https://wiki.ubuntu.com/MobileTeam>
- <https://wiki.ubuntu.com/KarmicReleaseSchedule>
- <https://edge.launchpad.net/ubuntu/jaunty/armel/+builds>
- <https://launchpad.net/~ubuntu-mobile>
- IRC: FreeNode #ubuntu-mobile

Thank you