We want you! for

aka Debian-Edu

based on a presentation held at the debian miniconf at LCA 2007 in Sydney

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About the two names...

- nowadays debian-edu and skolelinux are used as synonyms – it's the same project
- skolelinux was started in 2001 in norway, debian-edu at around the same time in france
- I tend to say that
  - debian-edu is name of the project
  - skolelinux is the name of the distribution
- skole is norwegian and means school
Outline

- some bits about me
- a mix of facts, history & statistics
- status of world-domination
- school specific needs
- architecture & features
- development model & tools
- contributions to Debian
- current challenges
Some bits about me

• running Debian stable as primary OS since 1996
• founded the Debconf video-team in 2005
• in NM queue since 2005, now approved by AM
• FAI (fully automatic installation)
• Debian-QA / piuparts
• Debian-edu member, powerpc porter, ftpmaster
debian-edu and debian

• official Debian sub-project (and another CDD (Custom Debian Distribution))

• more than 25 developer gatherings in norway, germany, spain, brazil and now france – good to improve cooperation and to avoid flamewars

• approx. 30 debian-edu developers, more than 150 translators and documentation writers

• >1000 debian developers :-)

• 6-10 packages which are currently not in debian

• target for lenny: 0 packages not in debian
debian-edu in schools worldwide and beyond

- used in more than 450 schools worldwide - mostly europe (300 in .no, 70 in .de) but also more than 60 in africa, distributed via http://fairinternational.org/
- between 200 and 30000 users per school
- cooperation agreements with Edubuntu, LinEx (Extremadura Spain), KDE-edu, PSL-Brasil, mEDUXa and the UN/MIT project One Laptop per Child
Schools using debian-edu
School specific needs

- low maintenance, out-of-the-box setup
- little resources
- localization – very important in schools
- learning to express, share & learn
- tools for making music, drawings & learning
- source code availability – to be able to understand what's going on and change it
- different tools for different kind of pupils
- office, java and flash :-(
- -> not so very school specific at all! :(
Network architecture

Internet

Router
10.0.2.1

Main Server
10.0.2.2
10.0.2.0/23

WorkStation
Thin client server
192.168.0.254
192.168.0.0/24
Thin client

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Skollinux
Other features

- simplified debian-installer
- LDAP out the box
  - user database
  - home dirs on every machine (via NFS)
- KDE based desktop with java & flash and OpenOffice.org
- installed services: ldap, web, mail, remote syslog, cups, ntp, dhcp, dns
- LTSP server for thin- & half-thick clients
- complete end-user documentation
Development model

- All code, translations and documentation have to be committed to our source code management system(s)
- Bugs have to be committed to the bug-tracking system(s)
- Commit everything upstream.
- Follow the licence-terms, encourage GPL
- Help people to help them selves
- The person who does something decides
Development “tools”

- debian-edu@lists.debian.org
- wiki.debian.org/DebianEdu
- #debian-edu, monthly meetings
- svn.debian.org/debian-edu on Alioth
- ftp.skolelinux.no (we give upload rights to non-DDs – within our policies)
- svn-commit triggered builds of etch and etch-test CDs
- frequent RL gatherings
french development community

• ml@schlossguehl.fr, soon to be moved to ml@skolelinux.fr
• #skolelinux-fr
• wiki.skolelinux.fr

• please participate in the “global” developing efforts:
  – share your needs
  – share your efforts
  – share your experience

• LinEx will join debian-edu too....
Contributions to Debian

- participation in the CDD effort
- funded kickoff of debian-installer
- preseeding for d-i
- funded kickoff of testing-security
- LTSP
- skilled developers :)
- support the free java and gnash efforts
Current challenges

- LDAP admintool which is usable for “less skilled users aka teachers”
- documentation needs to be updated for Etch
- single medium installation CD
- multimedia on half-thick- and thin clients
- release planned ASAP after Debian etch
- powerpc and amd64 ports
- live CDs
More challenges

- customisations of the german and french skolelinux team are only very slowly integrated into debian-edu, still only partly done for etch

- we *really* should fix this for lenny!
  - roadmap planning for LinEx will happen in spring 2007

- workshop at DebConf7 for localized, debian-edu CDs as part of debian for lenny
Wanna join?

• we need:
  – developers
  – testers (general & amd64 & powerpc)
  – translators
  – documentation writers
  – artists
  – multiplicators
  – users (teacher, pupils)
Merci :) 

• Questions ?