SELinux in Ubuntu
Current Status

- SELinux support built into kernel
- SELinux meta-package available in universe
- Non-MLS/MCS for simplicity
- Several base modules including
  - ssh, selinuxutil, locallogin, etc
- Cups policy provided by separate package
- Slightly out-of-date information available on wiki
  - https://wiki.ubuntu.com/HardySELinux
Challenges

- Upstart
- Debian packages
  - Were out of date
  - Maintainer was MIA
- Wanted a seamless installation
  - `apt-get install selinux`
  - Must deal with AppArmor being installed
- Hardened team not completely on-board
  - Would rather provide lots of choices
  - Than fewer choices and more in-depth support
Future Plans

- More targets, more targets, more targets
  - Top of the list is Apache
- Confined users
  - UBAC/RBAC support in refpolicy should help
- Port GUI tools from Red Hat
  - setroubleshoot, semanage gui
- Allow SELinux to be turned on during installation
Towards SELinux by Default

- Is it viable?
  - Ubuntu audience expects things to “just work”
  - No Dan for quick policy updates
- More tolerable on servers than workstations?
- Still quite a bit of resistance
- Wiki discussion page already set up
  - [https://wiki.ubuntu.com/SELinuxByDefault](https://wiki.ubuntu.com/SELinuxByDefault)
  - Not much info on it currently
- Would a smaller policy help? (Karl’s talk)
What we need

- Help with the policy
  - Fedora targets increased with every release
  - Ubuntu currently only has one target
- People to help users
  - In forums, mail lists, irc, etc
- Testers
  - SELinux on Ubuntu gets far less testing than Fedora ever did
- Advocates
Questions?