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- **Slightly out-of-date information available on wiki**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**

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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  - Were out of date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

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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**

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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 workstaions?
- Still quite a bit of resistance
- Wiki discussion page already set up
    - https://wiki.ubuntu.com/SELinuxByDefault
    - Not much info on it currently
- Would a smaller policy help? (Karl's talk)

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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?