One Laptop per Child

Miscellaneous Topics

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Talk Outline

• Security and isolation
• Printing support
• Update improvements
• Security control panel
• Asynchronous internet
Security and isolation

• P_SF_CORE, P_SF_RUN
• Validating new versions of a bundle
  – Esp. loopholed activities
  – Loophole management
• Persistent activity storage?
• NSS modules for rainbow everywhere
  – Also olpc/root passwds.
Printing

• Full support for arbitrary printers is hard!
• BUT: Print postscript to fixed printer: 'XS'
• Add basic support to Write, Read, and Browse
• Future: Paint, Record
Update improvements

• COW for pristine, allowing...
• ...binary diff updates over http
• Integration of core updates w/ sugar control panel
• Integration with notification
• Statistics collection
  − “popularity contest”
  − Battery/power logs
Security control panel

- “Am I stolen” button
- Dev key enable/disable
- Lease renewal
Asynchronous internet

• Offline cache (wwwaffle)
• Mechanism to collect requests
• Filtering mechanism
• Fulfillment w/ internet access
• Distribution back to requesters