

1



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 (wwwoffle)
- Mechanism to collect requests
- Filtering mechanism
- Fulfillment w/ internet access
- Distribution back to requesters