Debian release process

Stable or old?

Ondřej Surý • ondrej.sury@nic.cz • 01.04.2016

Debian releases

- **unstable**
  - Whatever new version comes in
- **testing**
  - Packages from unstable migrate to testing
  - If no release-critical bug is found
- **stable**
  - Created from testing at specific point in time
  - "freeze" process (only RC-bugs fixes)

Updating Debian "stable"

- Security track

  - Managed by "security-team"

  - Only security-fixes go through here

- Proposed-updates track

  - Managed by "release-team"

  - Serious fixes can squeeze-in

- Pre-negotiated "exceptions" allowed

  - f.e. MySQL, PHP

Adding new DNSSEC algorithm

- stable-proposed-updates

  - (?)Patch the underlying libraries

    – OpenSSL # BIND, Unbound, PowerDNS

    – GnuTLS/Nettle # Knot DNS, Knot Resolver

    – Botan # OpenDNSSEC, PowerDNS

  - Patch the DNS server

    – Cannot just upload new upstream version

    – Need for isolated patch that adds the algo support

Ubuntu

- Stable Release Updates

  - https://wiki.ubuntu.com/StableReleaseUpdates

- Similar to Debian process

  - High-Impact Bugs

  - Other safe cases

    – New features for LTS releases