





CUPS

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CUPS

Accomplished in 2008

- Released CUPS 1.3.6 through 1.3.9, 1.4b1, and 1.4b2
 - Primary focus on CUPS 1.4
- cups.org
 - New look-n-feel
 - About 1000 PostScript and DDK driver PPDs added
 - Started work on Launchpad integration with CUPS STR database

CUPS

Planned for 2009

- CUPS 1.3.10, 1.4b3, 1.4rc1, and 1.4.0
 - 1.3.11 and 1.4.x updates as needed
 - Primary focus still on CUPS 1.4, but work will begin on CUPS 1.5
- cups.org
 - Finish Launchpad integration
 - More How-To/FAQ content coming

CUPS 1.4

Development

- Doing a LOT of testing
- Extensive use of Valgrind, Clang static analyzer, plus third-party (static) analysis by Coverity and Veracode
- Additional automated tests for “make check” target
 - Now testing that we are producing the correct output, number of messages, etc.
- Scripted and ad-hoc testing here at Apple
 - Covers printer sharing, applications, output quality, perceived performance
- Network testing now includes IPv6 on a regular basis

CUPS 1.4

What's New

- IPP/2.x support
- Web interface overhaul
- Bonjour/DNS-SD support via mDNSResponder
- Improved security in scheduler
 - Sandboxing and restrictions on allowed permissions
- New banner/test page and PDF to PostScript filters
- New streaming request APIs
- CUPS DDK now included in core software

CUPS 1.5

Tentative Changes (from Roadmap)

- Web interface access controls
 - Mainly “disable web interface”
- Per-object security in scheduler
 - Similar to allow/deny for printers, but also for jobs and subscriptions
- SSL/TLS certification validation and revocation support
- Direct printing to shared printers
 - Most useful for Kerberized printing
- PPD resource file support
 - Security is a concern (limit allowable file locations)

CUPS

We want your feedback!

- 75% of all bugs and feature requests included in CUPS come from outside Apple

Q&A



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