

OpenPrinting Minutes

May 14 + 15, 2013

Print Dialogs:

- New GNOME print dialog, no DBUS interface
 - Maybe work on adding one to support Qt/KDE apps?
 - IPP direct print interface - expand to support all IPP Everywhere attributes
- New Ubuntu Touch print UI being developed
- Mobile Print client UI as well - Glen working to get permission to release the code

Color Management:

- Ghostscript will apply OutputIntent + color profile (or default like sRGB) in proofing mode
- For target printing, need "passthrough" mode (no color management) using -dUSEFASTCOLOR option to Ghostscript; add IPP boolean Job Template attribute/option that will get passed through to filters, probably needs GTK+ print dialog as an application (not user) option
- Add PPD keywords and attributes for ink sets? Drivers? Not worth the trouble
- Should we standardize ICC metadata? Yes, extend current examples to include IPP printer-icc-profiles support
- Automated testing of color management - possible with CUPS filter chain to CUPS raster, just watch out for floating point and endian differences.

Ghostscript:

- GrayDetection option: allows drivers to know whether a page has color, would allow CUPS device to produce color or grayscale as appropriate.
- Threading support: does improve performance N-fold for some kinds of files
- No outstanding CUPS bugs
- OutputIntent - if the embedded intent does not contain an ICC profile, it is ignored

MuPDF:

- Need CUPS filters:
 - Mike Sweet interested in raster portion for IPPSIX prototyping
 - Till will coordinate with Artifex for requirements for Ubuntu Touch
- Performance/output quality comparison to poppler? Not done yet
- What about antialiasing? Can be disabled
- OpenPrinting Japan found some CJK rendering issues - will report

Printer Drivers:

- Can IPP Everywhere be used over USB? Yes, using IPP USB spec from usb.org
- Does CUPS support IPP USB? Not yet, working on it, no timeframe for support
- Interim: PPD files for PWG Raster/PDF IPP Everywhere printers over legacy USB print class interface?
- Canonical/Till able to assist in PPD generator for IPP Everywhere on CUPS
- Can vendors host closed-source drivers on openprinting.org? Yes, just some requirements for the binaries itself (LSB)
- What about FaxOut? Yes, with the right PPDs with Fax keywords
- What about FaxIn? Not yet supported directly, but job downloads possible via SANE or network printer configuration
- What about Scan? Provide SANE drivers