OpenPrinting Plenary
August 12, 2014
Toronto, ON
Joint PWG/OpenPrinting Summit F2F Meeting
– Ira McDonald (High North) – OP Chair
– Till Kampppeter (Canonical) – OP Manager
Agenda

- Linux Distributions (Distros)
- Linux Standard Base (LSB)
- OpenPrinting 2013
- Google Summer of Code 2013
- OpenPrinting 2014
- Google Summer of Code 2014
- Next Steps
Linux Distributions (Distros)

- Linux – from mobile devices to enterprise servers
  - Fedora, Red Hat, Ubuntu, Debian, Mint, openSUSE, and more

- 1 Billion Linux end users in 2014!

- Market share of Linux across all websites (37%)
  - [http://w3techs.com/technologies/details/os-linux/all/all](http://w3techs.com/technologies/details/os-linux/all/all)
Linux Standard Base (LSB)

- Common set of libraries across many Linux distros for application portability

- LSB Plenary (April 2014)

- LSB 5.0 Beta 2 (March 2014)
OpenPrinting 2013

• Common Mobile Print Client
  • Designer/Developer – Glen Petrie
  • Scalable across all mobile devices, screens, and input methods
  • Implemented in C
  • Paused due to lack of resources

• Google Summer of Code 2013
  • 4 projects
Google Summer of Code 2013

• OP foomatic-rip: Replace the universal print filter by an easy-to-maintain CUPS filter
  • Developer – Anshul Kushwaha
• OP Color Management extensions for CUPS
  • Developer – Joe Simon
• OpenPrinting web site: Usability and backend enhancements
  • Developer – Jannes Jeising
• OpenPrinting web site: web application for printer and driver administration
  • Developer – Anton Kirilenko
OpenPrinting 2014 – 1 of 2

- OP projects for IPP Everywhere support in Linux
  - Developers – Till Kamppeter and Daniel Dressler
  - Ubuntu 14.04 (Trusty & CUPS Filters v1.0.52) – auto-setup of IPP Everywhere and IPP legacy (PS, PDF, PCL) network printers
  - Ubuntu 14.10 (Utopic Unicorn) – IPP Everywhere for legacy IPP printers (CUPS queue emulates IPP Everywhere printer)
  - Coming soon – IPP Everywhere in other Linux distros

- OP CUPS Filters – currently v1.0.55 (July 2014)
  - Required for Linux printing w/ CUPS 1.6 and later versions
  - Backends, filters, and other software that was formerly part of the core CUPS distribution but is no longer maintained by Apple
  - Filters for OP introduced PDF-centric printing workflow
  - Daemon to browse Bonjour broadcasts of remote CUPS printers and to auto-setup IPP network printers
• **OP Printer Driver Repository**
  - Printer Manufacturer and Open Source drivers for Linux
  - Alps, Apple, Brother, CalComp, Canon, Dell, Epson, Fuji Xerox, Genicom, Gestetner, Heidelberg, Hitachi, HP, IBM, InfoPrint, Konica-Minolta, Kyocera, Lanier, Lexmark, NEC, OCE, Oki, Panasonic, QMS, Ricoh, Samsung, Savin, Sharp, Toshiba, Xerox
  - [http://www.openprinting.org/drivers](http://www.openprinting.org/drivers)
  - [http://www.linuxfoundation.org/collaborate/workgroups/openprinting/database/databaseintro](http://www.linuxfoundation.org/collaborate/workgroups/openprinting/database/databaseintro)

• **OP Google Summer of Code 2014**
  - 2 projects
    - Color Management extensions for CUPS
    - IPP Everywhere for USB Printers
Google Summer of Code 2014

• OP Color Management extensions for CUPS
  • Production Printing Workflow – extend CUPS web interface and modify its handling of PPD files
  • Added color management support to the filters in cups-filters, to be completed in the upcoming v1.0.56 release
  • Developer – Joe Simon
  • Completion of original GSoC 2013 project

• OP IPP Everywhere for USB Printers
  • IPP Everywhere and embedded web servers over USB
  • Cross-platform (Linux, UNIX, Windows)
  • Developer – Daniel Dressler
  • Presentation and live demo Tuesday 12 August 2pm EDT
Next Steps

• Call for Participation
  • OP is cost-effective for printer vendor support of Linux

• Collaboration of PWG and OP
  • OP JTAPI supports PWG Print Job Ticket in abstract model
  • OP JTAPI backends for PWG JDFMAP prototype?
  • Other PWG and OP collaboration
    • IPP Everywhere
    • IPP Shared Infrastructure Extensions (Cloud print)
    • IPP FaxOut, IPP Scan, IPP System Control Service

• OP monthly teleconferences on Tuesdays
  • OP Call on Tue 19 August 1pm EDT (PWG/OPS review)
  • OP Call on Tue 9 September 1pm EDT (tentative)