OpenPrinting Plenary

August 12, 2014

Toronto, ON

Joint PWG/OpenPrinting Summit F2F Meeting

– Ira McDonald (High North) – OP Chair

– Till Kamppeter (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
  - http://distrowatch.com/dwres.php?resource=major (2013)
  - http://www.storagecraft.com/blog/popular-linux-distributions-dominate-market/

- 1 Billion Linux end users in 2014!
  - http://www.zdnet.com/the-five-most-popular-end-user-linux-distributions-7000030058/

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

Linux Standard Base (LSB)

- Common set of libraries across many Linux distros for application portability
  - https://wiki.linuxfoundation.org/en/LSB_Wiki

- LSB Plenary (April 2014)
  - https://wiki.linuxfoundation.org/en/New_LSB

- LSB 5.0 Beta 2 (March 2014)
  - http://www.linuxfoundation.org/collaborate/workgroups/lsb/lsb-50-beta-2

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

- 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
  - http://openprinting.org/download/cups-filters/

- 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.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)