



OpenPrinting Plenary

28 April 2015

Sunnyvale, CA

Joint PWG/OpenPrinting Summit F2F Meeting

- Ira McDonald (High North) - OP Chair
- Till Kamppeter (Canonical) - OP Manager

Agenda



- Linux Markets and Distributions (Distros)
- Linux Standard Base (LSB)
- OpenPrinting 2014
- Google Summer of Code 2014
- OpenPrinting 2015
- Next Steps

Linux Markets and Distributions



- Linux servers dominate the Cloud in fall 2014!
 - 75% Linux / 23% Windows / 2% UNIX
 - <http://www.linuxfoundation.org/news-media/infographics/largest-linux-user-trends-2014>
- Smartphone OS market share in Q4 2014
 - 77% Android / 20% iOS / 3% other – 1.3 billion smartphones
 - <http://www.idc.com/prodserv/smartphone-os-market-share.jsp>
- 1 Billion Linux end users in spring 2014!
 - <http://www.zdnet.com/article/the-five-most-popular-end-user-linux-distributions/>
- Linux – from mobile devices to enterprise servers
 - Fedora, RedHat, Ubuntu, Debian, CentOS, Mint, Arch, openSUSE
 - <http://distrowatch.com/dwres.php?resource=major> (2015)
 - <http://www.howtogeek.com/191207/10-of-the-most-popular-linux-distributions-compared/> (2015)

Linux Standard Base (LSB)



- Common libraries on major Linux distros for portability
 - https://wiki.linuxfoundation.org/en/LSB_Wiki - developers
 - <http://www.linuxfoundation.org/collaborate/workgroups/lsb> - LSB
- LSB Plenary (April 2014)
 - https://wiki.linuxfoundation.org/en/LSB_Plenary_2014
 - https://wiki.linuxfoundation.org/en/New_LSB - contributor-friendly
- LSB 5.0 RC1 (October 2014) – release by Jeff Licquia
 - <http://www.linuxfoundation.org/collaborate/workgroups/lsb/lsb-50-rc1>
 - Common, Core, Desktop, Runtime Languages, Imaging, Trial Use
- LinuxCon North America (17-19 August 2015) – Seattle
 - <http://events.linuxfoundation.org/events/linuxcon-north-america>

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)
- OP CUPS Filters – 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 - Backends, filters, and other software that was formerly part of the core CUPS distribution but is no longer maintained by Apple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/>

OpenPrinting 2014 – 2 of 2



- 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 Ext for CUPS – CUPS Filters
 - Production Printing Workflow – extends CUPS web interface and modifies its handling of PPD files
 - Color Management support added to the filters in cups-filters - completed in CUPS Filters 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 2014 2pm EDT](#)

OpenPrinting 2015 – 1 of 2



- OP projects for IPP Everywhere support in Linux
 - Developers – Till Kamppeter and Linux community
 - Ubuntu 15.04 (Vivid Vervet 04/24/15) – Linux Kernel 3.19, CUPS 2.0.2 w/ IPP Everywhere, CUPS Filters v1.0.68
 - Ubuntu 15.10 (October 2015) – IPP Shared Infrastructure Extensions for Cloud Printing?
 - Coming soon – IPP Everywhere in other Linux distros
- OP CUPS Filters – v1.0.68 (April 2015)
 - Filters for OP introduced PDF-centric printing workflow
 - January – v1.0.62
 - February – v1.0.63, v1.0.64, v1.0.65, v1.0.66
 - March – v1.0.67
 - Backends, filters, and other software that was formerly part of the core CUPS distribution but is no longer maintained by Apple
 - <http://openprinting.org/download/cups-filters/>

OpenPrinting 2015 – 2 of 2



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 - <http://www.openprinting.org/drivers>
 - <http://www.linuxfoundation.org/collaborate/workgroups/openprinting/database/databaseintro>
- OP Google Summer of Code 2015 – no projects
 - Linux Foundation was not accepted as a mentor in 2015

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?
 - IPP Everywhere
 - IPP Shared Infrastructure Extensions (Cloud print)
 - IPP FaxOut, IPP Scan, IPP System Service
- OP monthly teleconferences on Tuesdays
 - OP Call on Tue 12 May 2015 1pm US EDT (OPS review)
 - OP Call on Tue 9 June 2015 1pm EDT (tentative)