

IPP Working Group Session

February 7, 2011

Irvine, CA

PWG F2F Meeting

IPP WG Meeting Agenda



Tuesday, February 7

1:00 - 1:05	Introductions, Minute Taker, Agenda Review
1:05 - 1:15	Current IPP WG status
1:15 - 3:00	IPP Job and Printer Extensions - Set 3 (JPS3)
3:00 - 3:15	Break
3:15 - 5:00	IPP Everywhere 1.0

IPP WG Meeting Agenda



Wednesday, February 8

1:00 - 1:05	Introductions, Minute Taker, Agenda Review
1:05 - 2:00	IPP over HTTP Transport Binding and 'ipps' URI Scheme
2:00 - 3:00	LDAP Schema for Printer Services
3:00 - 3:15	Break
3:15 - 4:30	PWG Media Names 2.0
4:30 - 5:00	Next Steps

IPP WG Officers



- IPP WG Co-Chairs:
 - Paul Tykodi (TCS)
 - Ira McDonald (High North)
- IPP WG Secretary:
 - Michael Sweet (Apple)
- IPP WG Document Editors:
 - Ira McDonald (High North) – IPP Version 2.0, IPP Everywhere 1.0, IPP JPS3, IPP Scan, IPP over HTTPS Transport Binding and “ipps” URI Scheme, LDAP Schema for Printer Services, PWG Character Repertoire Supported Registration
 - Michael Sweet (Apple) – IPP Version 2.0, IPP Everywhere 1.0, IPP JPS3, PWG Media Names 2.0, PWG Raster Format, IPP over HTTPS Transport Binding and “ipps” URI Scheme, LDAP Schema for Printer Services, IPP FaxOut Service

- Several IPP Everywhere specs in development:
 - IPP Everywhere 1.0 (EVEPRT)
 - IPP: Job and Printer Extensions - Set 3 (JPS3)
 - IETF IPP over HTTPS Transport Binding and “ipps” URI Scheme
 - IETF LDAP Schema for Printer Services (updates RFC 3712)
 - PWG Media Names 2.0 (MSN2)
 - PWG Raster Format (**PWG Last Call**)
 - IPP Scan Service
 - IPP FaxOut Service
- Up-to-date pending IANA registrations online:
 - <http://www.pwg.org/ipp/ipp-registrations.xml> (+ .txt)
 - Will maintain this in parallel for new specifications
 - Also have some MIB registrations pending
- Need minor charter update for MSN2 and title tweaks

IPP Interoperability Event



- During the August 2011 F2F we decided the IPP/2.0 interoperability event will be virtual using the CUPS ipptool program and conformance test files
- January 2011 release of ipptool covers:
 - All required operations and attributes for IPP/2.0
 - Partial coverage of operations and attributes for IPP/2.1
 - Basic testing for existence of IPP/2.2 operations and attributes
- Future update to include tests for undefined attribute and group tags, plus additions to IPP/2.1 and IPP/2.2 tests
- Test results to be sent to Mike Sweet (msweet@apple.com) for presentation at future F2F's
 - Preliminary results for April 2012 F2F
 - "Final" results for June 2012 F2F

IPP Interoperability Event



- Thus far I have not received testing results from any vendor
- I have feedback from three members:
 - One member had issues with the ipptool binaries not working on Windows XP (fixed in January 2012 release)
 - One member had issues with the ipptool binaries not working on a Windows Vista system (system issue)
 - All three are able to run the tool but have not yet supplied the results of testing
- We need testing results to make this event a success
- We want results from printers regardless of their level of conformance
 - Important to understand where the issues are!
 - The results are reported anonymously!

Where to Get CUPS ipptool

- <http://www.cups.org/software.php>
- Binaries available for Linux, Mac OS X, and Windows
- See the file “IPPTOOL.txt” for instructions on running the conformance tests
- Additional documentation in man-ipptool.html and man-ipptoolfile.html

IPP Job and Printer Extensions - Set 3 (JPS3)



- Current (interim) draft at:
 - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-jobprinterext3v10-20120130-rev.pdf>
- Major Changes/Issues:
 - Changed from "xxx-preferred" to "preferred-attributes (collection)"
 - OpenICC feedback - added "profile-name" Job/Document Template and member attribute, explained how new profiles and media types are "registered" using Set-Printer-Attributes
 - Identified READ-ONLY attributes
 - Added named features to terminology and use the names
 - Added Validate-Document operation
 - Added job-error-action Job Template attribute
 - Added printer-input-tray/output-tray Printer attributes

IPP Job and Printer Extensions - Set 3 (JPS3 - con't)



- Major Changes/Issues (con't):
 - Added discussion of using HTTP If-Modified-Since header with ICC profiles, icons, localization files
 - Profiles, icons, and localization files now SHOULD be Printer-resident
- Proposed Schedule:
 - Prototype draft and WG Last Call during March 2012
 - Stable draft and PWG Last Call to span April 2012 F2F
 - PWG Formal Vote starting in May 2012

IPP Everywhere 1.0



- Current (interim) draft at:
 - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeve10-20120131-rev.pdf>
- Major Changes/Issues:
 - LDAP updates and conformance requirements
 - Device ID discussions; key/value priority, etc.
 - HTTP conformance requirements (If-Modified-Since)
 - Sync up with JPS3
- Proposed Schedule:
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IPP over HTTPS Transport Binding and “ipps” URI Scheme



- Current draft:
 - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/draft-mcdonald-ipps-uri-scheme-03-20111122.pdf>
- Major Changes/Issues:
 - Ira???
- Proposed Schedule:
 - In the IETF review queue
 - SCHEDULE???

LDAP Schema for Printer Services



- Current draft:
 - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/draft-mcdonald-ldap-printer-schema-00-20111002.pdf>
- Major Changes/Issues:
 - Ira???
- Proposed Schedule:
 - Pending submission to IETF for review

PWG Media Names 2.0



- Current (interim) draft:
 - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-pwgmsn20-20120201-rev.pdf>
- Major Changes/Issues:
 - Imported "choice_" syntax from PWG 5100.7
 - Added various media coating, color, grain, size, source, tooth, and type names discussed in last review
- Proposed Schedule:
 - Prototype draft and WG Last Call during March 2012
 - Stable draft and PWG Last Call to span April 2012 F2F
 - PWG Formal Vote starting in May 2012

IPP WG Next Steps

- IPP 2.0/2.1/2.2 Interoperability Testing
 - Virtual interoperability event through June 2012 F2F
- IPP Everywhere 1.0
 - Finish prototype draft specifications in Q1/Q2 2012
 - Last Call and Formal Vote Q1/Q2 2012
 - Interoperability event for IPP Everywhere 1.0 in Q2/Q3 2012
- IPP Everywhere 2.0
 - Interim working drafts of IPP Scan Service and IPP FaxOut Service in Q2/Q3 2012

IPP WG Info / Participation



- We welcome participation from all interested parties
- IPP Working Group web page
 - <http://www.pwg.org/ipp/index.html>
- IPP Working Group wiki
 - <http://pwg-wiki.wikispaces.com/IPP>
- Subscribe to the IPP mailing list
 - <http://www.pwg.org/mailhelp.html>
- IPP WG holds bi-weekly phone conferences announced on the IPP mailing list
 - Next conference call is February 20, 2012 at 1pm (EST)