

IPP Working Group Session

April 25, 2012

Cupertino, CA

PWG F2F Meeting

IPP WG Meeting Agenda



Wednesday, April 25

1:00 - 1:05	Introductions, Minute Taker, Agenda Review
1:05 - 1:15	Current IPP WG status
1:15 - 3:15	IPP Everywhere
3:15 - 3:30	Break
3:30 - 4:30	Media Standardized Names (MSN2)
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, 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, IPP JPS3, PWG Media Standardized Names (MSN2), PWG Raster Format, IPP over HTTPS Transport Binding and “ipps” URI Scheme, LDAP Schema for Printer Services, IPP FaxOut Service

IPP WG Status



- Several IPP Everywhere specs in development:
 - IPP Everywhere (EVE)
 - Prototype Draft
 - IPP: Job and Printer Extensions - Set 3 (JPS3)
 - **PWG Last Call**
 - IETF IPP over HTTPS Transport Binding and "ipps" URI Scheme
 - IETF LDAP Schema for Printer Services (updates RFC 3712)
 - PWG Media Standardized Names (MSN2)
 - IPP Scan Service
 - IPP FaxOut Service
- Candidate Standards:
 - PWG Raster Format - 5102.4

IPP WG Status



- 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

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
- February 2012 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 August 2012 F2F
 - "Final" results for October 2012 F2F

IPP Interoperability Event



- Thus far I have not received testing results from any vendor
- 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!
 - Results will be collated and reported anonymously!

Preliminary Results



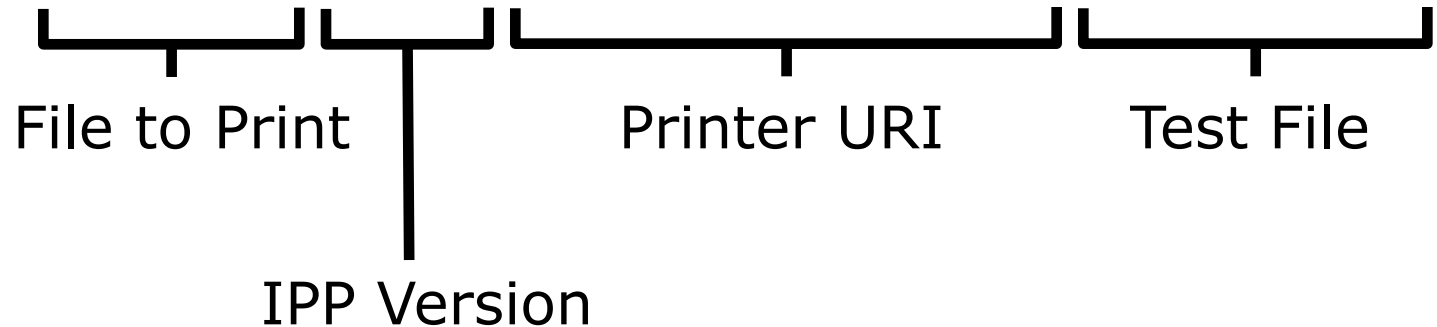
- Coming soon
- Based on internal testing of production printers
-

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

How to Use ipptool

```
ipptool -Itf file.ext -V 2.x ipp://address/path ipp-2.x.test
```



Example for IPP/2.0 printer with PDF support:

```
ipptool -Itf testfile.pdf -V 2.0 ipp://192.168.0.1/ipp \  
ipp-2.0.test | tee make-model-2.0-results.log
```

How to Send ipptool Results

- Send an email to “msweet@apple.com”
- Subject: IPP/<version> Test Results-<company name>-<last name>-<Pass/Fail>
- Attach the output from ipptool to the email
- Include any comments you like
- Example:

To: msweet@apple.com

Subject: IPP/2.0 Test Results-Acme-Doe-Pass

Found no issues with our implementation.

<acme-uberprinter-2.0-results.log>

IPP Everywhere



- Current (interim) draft at:
 - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeve10-2012MMDD-rev.pdf>
- Proposed Schedule:
 - Prototype draft and WG Last Call during May 2012
 - Stable draft and PWG Last Call to span June 2012 F2F
 - PWG Formal Vote starting in July 2012

PWG Media Standardized Names (MSN2)



- Current (interim) draft:
 - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-pwgmsn20-2012MMDD-rev.pdf>
- Proposed Schedule:
 - Prototype draft and WG Last Call during May 2012
 - Stable draft and PWG Last Call to span June 2012 F2F
 - PWG Formal Vote starting in July 2012

IPP WG Next Steps

- IPP 2.0/2.1/2.2 Interoperability Testing
 - Virtual interoperability event through June 2012 F2F
- IPP Everywhere
 - Finish prototype draft specifications in Q2 2012
 - Last Call and Formal Vote Q2/Q3 2012
 - Interoperability event for IPP Everywhere in Q4 2012
- IPP Multifunction
 - Interim working drafts of IPP Scan Service and IPP FaxOut Service in Q3/Q4 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 May 14, 2012 at 3pm (EST)