IPP Working Group Session

December 6, 2011

Austin, TX

PWG F2F Meeting

IPP WG Meeting Agenda

Tuesday, December 6

1:15 - 1:20	Introductions, Minute Taker, Agenda Review
1:20 - 1:30	Current IPP WG status
1:30 - 2:45	IPP Job and Printer Extensions - Set 3 (JPS3)
2:45 - 3:00	Break
3:00 - 4:00	IPP Job and Printer Extensions - Set 3 (con't)
4:00 - 4:45	PWG Raster Format
4:45 - 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 v2, PWG Character Repertoire Supported Registration
  - Michael Sweet (Apple) – IPP Version 2.0, IPP Everywhere 1.0, IPP JPS3, PWG Media Standardized Names, PWG Raster, IPP over HTTPS Transport Binding and "ipps" URI Scheme, LDAP Schema for Printer Services v2, IPP FaxOut Service

IPP WG Status

- 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
  - 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

- December 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 February 2012 F2F
  - "Final" results for April 2012 F2F

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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 draft at:
  - ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-jobprinterext3v10-20111126-rev.pdf

- Issues:
  - How do we want to map Printer MIB inputTray and outputTray - like media-source-properties or like printer-alert/printer-supply?
  - Do we start using CONDITIONALLY REQUIRED in IPP specs?
  - Investigate document object vs. job life cycle - failed document can abort job or allow completion with errors
    - Document fidelity - do we have something, do we want something analogous to job ticket fidelity - don't print whole job unless all documents can be printed (access control/passwords)
    - Add a Validate-Document operation?
  - What about Dublin Core metadata (Semantic Model WG)?

IPP Job and Printer Extensions - Set 3 (JPS3)

- Schedule:
  - Prototype draft after this F2F (week of December 19th, 2011)
  - WG Last Call until January 23, 2012
  - Stable draft week of January 30, 2012
  - PWG Last Call to span February 2012 F2F - January 30 - February 24, 2012
  - PWG Formal Vote March 5 - March 30, 2012

PWG Raster Format

- Current draft at:
  - ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippraster10-2011MMDD.pdf
- Schedule:
  - Prototype draft for WG Last Call after this F2F (week of December 12th, 2011)
  - WG Last Call until January 16, 2012
  - Stable draft week of January 23, 2012
  - PWG Last Call to span February 2012 F2F - January 23 - February 17, 2012
  - PWG Formal Vote February 27 - March 23, 2012

IPP WG Next Steps

- IPP 2.0/2.1/2.2 Interoperability Testing
  - Virtual interoperability event through April 2012 F2F
- IPP Everywhere 1.0
  - Finish prototype draft specifications in Q4 2011/Q1 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 January 9, 2012 at 1pm (EST)