

Internet Printing Protocol WG Minutes

June 30, 2014

Meeting was called to order at approximately 3:00pm PT June 30, 2014.

Attendees

Smith Kennedy (HP)
Daniel Manchala (Xerox)
Tim McCann (Konica Minolta)
Ira McDonald (High North)
Mike Sweet (Apple)
Paul Tykodi (TCS)
Bill Wagner (TIC)
Rick Yardumian (Canon)

Agenda Items

1. IP Policy and Minute Taker
 - a. Policy accepted with Mike taking the minutes
2. Approve IPP minutes from previous meetings
 - a. <ftp://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20140616.pdf>
 - b. Approved as posted
3. Status of various IPP documents (Ira/Mike/Pete)
 - a. IPP Scan Service (Pete Zehler)
 - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippscan10-20140620.pdf>
 - Stable draft
 - PWG Last Call (06/20/14 to 07/21/14)
 - b. LDAP Printer Schema (Ira)
 - <http://ftp.pwg.org/pub/pwg/ipp/wd/draft-mcdonald-ldap-printer-schema-07-20140313.pdf>
 - IPP WG reviewed on 31 March
 - Needs new HTTP/1.1 references updates
 - Ready for IETF Last Call
 - a. IETF IPP over HTTPS Binding and 'ipps' URI Scheme (Ira)
 - <http://ftp.pwg.org/pub/pwg/ipp/wd/draft-mcdonald-ipps-uri-scheme-12-20140420.pdf>
 - Completed edits from IPP WG review on 14 April
 - Needs new HTTP/1.1 references updates
 - Ready for IETF Last Call
 - b. IPP Self-Certification (Mike)
 - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeveselfcert10-20140509-rev.pdf>
 - Prototype draft - waiting for prototype reports
 - Reviewed at PWG F2F in May

- Schedule - July-ish for beta tools, spec update, and web site, definitely by August F2F
- PWG Last Call Q1 2015
- c. IPP Shared Infrastructure Extensions (Mike)
 - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippsix10-20140226-rev.pdf>
 - Prototype draft - waiting for prototype reports
 - Are we aligned with Cloud Imaging Model?
 - Schedule - PWG Last Call Q3 2014
- 4. Review of IPP Finishings/2.0 (Mike)
 - a. <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippfinishings20-20140620-rev.pdf>
 - b. Prototype draft - prototype report on 06/19
 - c. Ira/Mike still need to cross-check w/ Finisher MIB (RFC 3805)
 - d. Need new "printer-finisher" attribute?
 - Yes, fix "printer-input-tray" (should be printer-finisher) in 6.15.3 and others
 - Figure 2: Fix finisher-ext value should be more than letters (1*ALPHA)
 - e. Need new "finishings-col-database" attribute?
 - Yes
 - f. Need new "job-media-sheets-per-set" or "job-pages-per-set" attributes?
 - Drop job-media-sheets-per-set
 - Include job-pages-per-set
 - Add figure showing processing (page-ranges -> job-pages-per-set -> number-up -> sides -> finishings)
 - Keep recommended (will make it required in update to IPP Everywhere)
 - g. Action: Mike to post stable draft of IPP Finishings 2.0 and WG last call
 - h. Schedule - PWG Last Call Q3 2014
 - i. Q: Do we update ABNF in JPS3 and Alerts?
 - A: Yes, at some point
- 5. "job-password-encryption-supported" in PWG 5100.11 (Smith Kennedy)
 - a. <http://www.pwg.org/archives/ipp/2014/018070.html>
 - b. Registration of values (see minutes from June 16)
 - c. Mandatory values?
 - 'none' seems to be somewhat widely implemented
 - Would make sense to require clients to support all of a set of hash algorithms, printers to support at least one of the same set.
 - Look at adding to IPP Everywhere update or IPP/3.0 (should we ever do that)
 - d. What about document-password?
 - Just plaintext password for documents like PDF
 - Document data and password encryption is out-of-scope for IPP
 - Out-of-band key exchange, algorithm negotiation, etc.
 - No way to negotiate end-to-end
 - SMIME/PGP as document data could be used as long as both sides supported it
- 6. Review of IPP Implementor's Guide v2.0 (Smith)

- a. <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippig20-20140513-rev.pdf>
- b. Prototype draft - waiting for prototype reports
- c. Continue review at section 5.8.1
- d. 5.8.1:
 - Lines 1106-1107: The operation doesn't risk anything, "Otherwise, the Get-Printer-Attributes operation can return unfiltered information without the Client's knowledge."
 - Lines 1108-1111: Doesn't make sense, drop
- e. 5.8.2:
 - Line 1113: "that a Client performs"
 - Line 1114: "A Client can do this ..."
 - Line 1115: "which enumerates the document formats"
 - Line 1117: "beyond the scope of this specification."
 - Lines 1117-1119: drop last paragraph
 - Line 1123: Drop "colored"
 - Line 1124-1125: "In this way, the Client can get a set of Printer capabilities the accurately describe the possible options supported by the Printer for that document format."
- f. Global: Check for any use of "colored" for Get-Printer-Attributes - should just be "filtered", just like JPS3
- g. 5.8.3:
 - Line 1131: "can use" instead of "may use"
 - Lines 1132-1133: Drop last sentence
- h. 5.8.x: Add OPTIONAL to any optional attributes
- i. 5.8.x: Make sure to clarify the attribute groups: Printer Description, Job Template, etc.
- j. 5.8.x: Make sure to have back-references to section 4.3 (or wherever) in the first paragraph. "In section 4.3, the basic print job submission ..."
- k. 5.8.x: Include "how this is useful" paragraph
- l. 5.8.4:
 - Features are always a collection of multiple attributes, maybe operations
 - Higher level than xxx-supported, enable client-side optimizations/features that use the supported features
- m. Global: "may" -> "can" or "MAY" depending on usage ("can" is the non-conformance term)
- n. 5.8.6:
 - Lines 1149-1150: "how a Job Template attribute is defined."
 - Line 1152: "may hold" -> "can contain", "current default value ("xxx-default")"
 - Line 1159: "all intended Job Template attributes" (or applicable, not "supported")
 - Lines 1159-1160: "and SHOULD NOT depend on default values"
 - Lines 1160-1161: "because the default can change before the Job is processed (printed)."
- o. 5.8.7:
 - Rewrite this paragraph to talk about existing xxx-ready attributes

- listing
 - xxx-supported values can require human intervention to proceed
 - xxx-ready values cannot require human intervention to proceed
- p. Global: Drop "defined in" just use [ref]
- q. 5.8.8:
 - Line 1171: "the list of Job Template and operation attributes that can be specified by a Client in a Job Creation (Create-Job, Print-Job, Print-URI) or Validate-Job request"
 - Drop "The list of attributes are not necessarily ..."
 - Second sentence: "The Client can use this attribute to know which attributes are supported by the Printer."
- r. Resume at section 5.8.9

Next Steps / Open Actions

- Next IPP conference calls July 14 and 28, 2014 at 3pm ET
- Action: Mike to post stable draft of IPP Finishings 2.0 and WG last call
- Action: Mike to post updated proposal for destination-accesses (DONE)
- Action: Mike to post media size summary to IPP and add to registry (PENDING - need to add to registry)
- Action: Ira to add comments to Printer MIB for fax-modem-protocol-error and xxx-recoverable-storage-error - suffix dropped from IPP keyword with corresponding suffix (-error, -report, -warning) added depending on the printer state. (PENDING)
- Action: Mike to submit IANA registration for IPP printer-state-reasons updates for fax-modem-protocol and xxx-recoverable-storage (PENDING)
- Action: Ira to submit Printer MIB registration for new xxx-missing PrtAlertCodeTC values (PENDING)
- Action: Mike to propose an approach for deprecation of IPP attributes and values in the IANA registry (ONGOING)
- Action: Ira/Paul/SM workgroup to review values of finishings-col member attributes to make sure we have parity with common JDF values (PENDING)
- Action: Ira and Mike to make sure finishing MIB and Finishings 2.0 are in sync (PENDING)
- Action: Mike to add spec best-practices to WD template, fix abstract wording (PENDING)