

Internet Printing Protocol WG Minutes

July 14, 2014

Meeting was called to order at approximately 3:00pm PT July 14, 2014.

Attendees

Smith Kennedy (HP)
Daniel Manchala (Xerox)
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-20140630.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. IPP Finishings 2.0 (Mike)
 - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippfinishings20-20140701.pdf>
 - Stable draft
 - WG Last Call until July 25
 - c. 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
 - d. 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
 - e. 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
- f. IPP Shared Infrastructure Extensions (Mike)
 - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippsex10-20140226-rev.pdf>
 - Prototype draft - waiting for prototype reports
 - Schedule - PWG Last Call Q3 2014
- 4. Request for new "output-bin" keywords (Smith)
 - a. <http://www.pwg.org/archives/ipp/2014/018088.html>
 - b. Mike generalized 'job-separator' and 'collator' definitions
 - c. No objections to new keywords
 - d. Q: What to do about the "output-bin-actual" value?
 - A: Using the actual output bin for 'job-separator' makes sense, 1 value, but 'collator' has N values
 - Update definitions: output-bin-actual gets the output tray that was used for 'job-separator', stays as 'collator' for 'collator'.
 - e. Q: What does printer-output-tray report for 'job-separator' and 'collator'?
 - A: Report composite/roll-up values, just like 'auto'
 - Does not go in the Printer MIB, logical trays are specific to the service
 - f. Q: Do we need to add a PrtOutputTypeTC value as well?
 - A: No, use existing other(1) value for logical trays
 - This applies to printer-input-tray as well for media-source='auto'.
 - g. Action: Mike to post discussion and register 'collator' and 'job-separator' values for "output-bin" in the IANA IPP registry
- 5. 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 5.8.9
 - d. Section 5.8.9:
 - Lines 1180-1181: "can be supplied in Document Creation (Print-Job, Print-URI, Send-Document, and Send-URI) and manipulation (Set-Document-Attributes, Set-Job-Attributes) operation."
 - Line 1182: Drop the 'should' in 'should also apply'.
 - e. Section 5.8.10:
 - Drop since this isn't a job submission operation
 - f. Section 5.8.11:
 - Line 1188: "state" -> "values"
 - Last sentence, replace with: "This can be used to update Job attributes and release a job in the pending-held state after all documents have been submitted."
 - g. Section 5.8.12:
 - Line 1193: "'media-col' values' (in quotes, values instead of entries)
 - Line 1194: "regardless of whether they are currently available."

- Line 1198-1199: Drop "from the Printer's input sources."
 - Lines 1201-1202: Reverse it to "Clients SHOULD use the "printer-col-ready" attribute if supported by the Printer."
 - Lines 1202-1204: "Clients SHOULD NOT retrieve the "media-col-database" attribute unless explicitly requested."
- h. Add a table of recommended attributes for Printers at the top of section 4? With pointers to corresponding sections
- i. Section 5.9:
- Lines 1207-1208: "attributes respectively provide mechanisms for ..."
 - Line 1209: Drop "A Client can use these" fragment
 - Line 12010: "includes this example", colon at end. Also reference section numbers from JPS3, "IPP Job and Printer Extensions - Set 3 [PWG5100.13]"
 - Lines 1226-1237, etc. Use PAPI text format (slightly different)
 - Mike to send Smith reformatted examples
 - "stationary" -> "stationery"
 - Lines 1247-1258: Rework showing two scenarios that trigger the constraint and how the client resolves them. First choose sides='two-sided-long-edge' then media-type - sides is the resolution. Second choose media-type and then sides - media-type is the resolution.
- j. Section 5.10.1:
- Line 1265: "may" -> "can"
 - Lines 1266-1267: "the Client can create a Printer subscription that includes the ..."
 - Add reference to RFC 2911 for severity suffixes (-error, -warn, -report)
 - Add "printer-alert" and "printer-alert-description" (5100.9?)
- k. Section 5.10.2:
- Line 1272: "may" -> "can"
 - Line 1273-1274: "the Client can create a Job subscription that includes the ..."
- l. Section 5.10.4:
- Move to its own 5.x section
 - Update as recommendation for printers: SHOULD support notifications and SHOULD include additional printer attributes in printer event notifications (e.g. printer-supply for supply events, printer-input-tray for media events, etc.)
 - Also talk about job subscriptions, use Get-Job-Attributes for job subscriptions, Get-Jobs for job-created events, etc.
 - Lines 1291-1292: Drop last sentence
- m. Section 6:
- New title "IPP Document Page Order" or something like that
 - Drop lines 1294-1295
 - Drop 6.1 subheading
 - Documents formats that are meant for streaming (printed directly)

such as PWG Raster Format need to have the pages submitted in the correct order, while higher-level formats such as PDF cannot be printed until all document data has been received so the printer can print the pages in the correct order.

- printer-output-tray stacking order value determines the correct order of pages for streaming formats
 - Spooled formats (PDF) should always be provided in first-to-last order. (be consistent with printer-output-tray values
 - Also output-bin[-default] value can be used when printer-output-tray is not present - 'face-up' is treated as last-to-first order, all other values are first-to-last
- n. Stopped at section 7.

Next Steps / Open Actions

- Next IPP conference calls July 28, 2014 at 3pm ET
- Joint IPP/Cloud conference call August 4, 2014 at 3pm ET
- Action: Mike to post discussion and register 'collator' and 'job-separator' values for "output-bin" in the IANA IPP registry
- Action: Mike to post stable draft of IPP Finishings 2.0 and WG last call (DONE)
- Action: Mike to post media size summary to IPP and add to registry (DONE)
- Action: Ira to add comments to Printer MIB TC 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 (DONE)
- Action: Ira and Mike to make sure finishing MIB and Finishings 2.0 are in sync (DONE)
- Action: Mike to add spec best-practices to WD template, fix abstract wording (moved to SC action item list)