

Internet Printing Protocol Meeting Minutes

December 12, 2024

Meeting was called to order at 3:00pm ET.

Attendees

Charles Armstrong (Canon)
Smith Kennedy (HP)
Jeremy Leber (Lexmark)
Ira McDonald (High North)
Michael Sweet (Lakeside Robotics)
Anthony Suarez (Kyocera)
Bill Wagner (TIC)
Uli Wehner (Ricoh)
Michael Zilller (Microsoft)

Agenda Items

1. PWG IP policy, minute taker, administrivia
 - Mike is taking minutes
2. Review IPP minutes from previous meetings:
 - <https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20241107.pdf>
 - <https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-f2f-minutes-20241112.pdf>
 - Both approved as posted
3. Mailing list notes:
 - Fwd: [pqc-forum] NISTIR 8647, Transition to Post-Quantum Cryptography Standards
 - <https://www.pwg.org/pipermail/ipp/2024/021743.html>
 - Lots of lively discussion
 - Is there a PWG standard for: print color and imaging adjustments?
 - <https://www.pwg.org/pipermail/ipp/2024/021744.html>
 - No actions at this time
 - Missing statement / paragraph about requiring secure transport for IPP Wi-Fi Extensions
 - <https://www.pwg.org/pipermail/ipp/2024/021748.html>
 - Mike will start a revision in the new year
 - Access to "Console Display Buffer" via IPP?
 - <https://www.pwg.org/pipermail/ipp/2024/021751.html>
 - Ira: Makes sense to have a mapping if people are using it, suggested attributes are good
 - Continue discussions in January, probably develop a short IPP Registration document for it
 - Fwd: [Iotops] SETTLE: SEcure access To Tls Local rEsources

- <https://www.pwg.org/pipermail/ipp/2024/021759.html>
 - Not much happening yet
 - Request to Define New IPP Attribute "printer-more-info-config (uri)"
 - <https://www.pwg.org/pipermail/ipp/2024/021767.html>
 - Smith: I sympathize, goal is to point to the "root" of the embedded web server
 - Anthony: We will follow the PWG name suggestions
 - Uli: This is just a request to connect to the web interface of the printer, or is it to a specific page?
 - Mike: Is this specifically for configuration, or just to the main/root page?
 - Anthony: Goal is to go to the main configuration page, not necessarily the main/root page
 - Bill: How will this be used? Wouldn't it make more sense to go to the root page?
 - Anthony: Good with whatever the PWG decides?
 - Michael: The client might implement using an embedded web view instead of a full browser
 - Ira: Might not be a single config page, limiting to config seems odd
 - Consensus: Yes, want to have this, semantic is to have a URI pointing to the printer's embedded web server
 - "printer-more-info (uri)" wasn't originally required to point to embedded web server, often pointed to manufacturer
 - "printer-home-page-uri (uri)" can be defined to point to the Printer's embedded web server "home/top/root" page
 - Smith: With printer-more-info we return a complete URI, but should we return just the resource path, or path + port?
 - Mike: No just require URI to use the hostname and port from the Client request's HTTP Host header
 - Ira: HTTP or HTTPS URI?
 - Mike: We'd require "http" for "ipp" accesses and "https" for "ipps" accesses (need "http" for IPP over USB in particular)
 - Mike: Should we combine this with the console display buffer attributes in the other thread?
 - Ira: Would make sense
 - Action: Mike to prepare a registration draft for the printer-home-page-uri and printer-console-xxx attributes
 - IPP Offset Stacking
 - <https://www.pwg.org/pipermail/ipp/2024/021771.html>
 - Waiting on a response
4. Pending IPP WG documents:
- IPP/2.x Fourth Edition (BASE)
 - <https://www.pwg.org/pipermail/pwg-announce/2024/004056.html>
 - <https://ftp.pwg.org/pub/pwg/standards/std-ippbase23-20241108-5100.12.docx>
 - <https://ftp.pwg.org/pub/pwg/standards/std->

- [ippbase23-20241108-5100.12.pdf](#)
 - PWG CfO concluded November 8, 2024
 - Published on December 9, 2024
5. Envelope media size discussions
- Mike: Tried testing with long and short edge envelope size names, Linux, MacOS, and iOS only show a single envelope size
 - Mike: Maybe have size names with width > length (do landscape size orientation vs. portrait)
 - Charles: How would the Client deal with this?
 - Mike: Current Clients mostly use media-col, which sends the media dimensions vs. names. Might need to update the messages catalogs to get proper localized names
 - Mike will do some more testing with this approach.
 - Michael: How does the Client know where the flap is?
 - Mike: media-source-properties has a member attribute for the orientation of the envelope (how to orient the document data so the flap is at the top of the envelope as you read it)
6. Review IPP Firmware Update Extensions v1.0 (Smith)
- <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippfwupdate-20241010-rev.pdf>
 - Need additional thoughts about firmware updates, please respond before December 19th

Next Steps / Open Actions

- Next conference calls on December 19, 2024 and January 16, 2025 at 3pm
- Talk about more "Strong Device Identity" at future (soon) concall, determine requirements/use cases
- Action: Mike to prepare a registration draft for the printer-home-page-uri and printer-console-xxx attributes
- Action: Mike to do some media size name testing for different envelope sizes (DONE)
- Action: Mike to update the IPP How-To Guide and post to IPP list for discussion (PENDING)
- Action: Mike to update IPP Everywhere 2.0 test files (PENDING - started work on it)