

Internet Printing Protocol Meeting Minutes

February 16, 2023

Meeting was called to order at 3pm EST on February 16, 2023.

Attendees

Benjamin Gordon (Google)
Smith Kennedy (HP)
Jeremy Leber (Lexmark)
Ira McDonald (High North)
Piotr Pawliczek (Google)
Anthony Suarez (Kyocera)
Michael Sweet (Lakeside Robotics)
Bill Wagner (TIC)
Uli Wehner (Ricoh)
Steven Young (Canon)

Agenda Items

1. Antitrust and IP policies, minute taker
 - https://www.pwg.org/chair/membership_docs/pwg-ip-policy.pdf
 - https://www.pwg.org/chair/membership_docs/pwg-antitrust-policy.pdf
 - Antitrust and IP policies accepted, Mike taking minutes
2. IPP minutes from previous meetings
 - <https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20230202.pdf>
 - <https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-f2f-minutes-20230207.pdf>
 - IPP WG call on 02/02/23 and IPP sessions at PWG F2F on 02/07-09/23
3. Status/Review of various IPP mailing list notes
 - <https://www.pwg.org/archives/ipp/2023/021367.html>
 - ACME-Based Provisioning of IoT Devices (Mike)
 - <https://www.ietf.org/archive/id/draft-sweet-iot-acme-03.txt>
 - No IETF feedback on latest draft, Mike is concerned we might not be able to get a DHCP option for an independent stream (informational) RFC
4. Status of AMSC and ISO liaisons w/ PWG (Paul)
 - <https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20221212.htm>
 - <https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20230109.htm>
 - <https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20230123.htm>
 - See PWG Steering Committee minutes from 12/12/22, 01/09/23, 01/23/23
5. Status of PWG and IPP WG Formal Approvals and Last Calls (All)
 - IPP Job Extensions v2.1 - status (Mike)
 - <https://ftp.pwg.org/pub/pwg/candidates/cs-ippjobext21-20230210-5100.7.docx>

- <https://ftp.pwg.org/pub/pwg/candidates/cs-ippjobext21-20230210-5100.7.pdf>
 - Stable draft - for a Candidate Standard
 - PWG Call for Objections started on 9 January ended on 10 February 2022
 - Schedule - announce PWG Candidate Standard 5100.7 publication
 - Action: Mike to post announcement for JOBEXT
 - IPP Driver Replacement Extensions v2.0 - review (Smith/Mike)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippnodriver20-20230116.pdf>
 - Stable draft - for a Candidate Standard
 - PWG Formal Approval started on 1 February ends on 1 March 2023
 - Quorum required 7 responses (29 voting members x 25%)
 - Schedule - PWG Candidate Standard in Q1 2023
6. IPP Enterprise Printing Extensions v2.0 - review (Smith)
- <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippepx20-20230208-rev.pdf>
 - Prototype draft - for a Candidate Standard
 - PWG review at PWG February 2023 F2F
 - Resume at section 7
 - Schedule - Stable draft in Q1/Q2 2023
 - Global: Normalize keyword tables for printer conformance (choose a consistent style that works for all)
 - Section 8.3: Drop CONDITIONALLY REQUIRED, "storage keywords", drop last sentence, combine
 - Action: Mike to provide updated description of new EPX printer-state-reasons keywords
 - Section 8.4: Missing single quote for "stored-public" keyword
 - Note 5: A Printer can respond
 - Section 10.x: Fix bullet lists
 - Update IANA considerations for printer storage, serial number, and asset tag attributes and values
 - Update PWG5100.3 and PWG5100.7 references
 - Section 16: Title is just "Authors"
7. OAuth2 - discussion (Benjamin, Piotr, Mike, Smith)
- <https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-f2f-minutes-20230207.pdf>
 - https://ftp.pwg.org/pub/pwg/ipp/whitepaper/google-pwg_user_identity.pdf
 - New Google white paper on OAuth User Identity posted on 19 January 2023
 - New diagram in Wiki from Smith w/ JWE
 - PWG discussion at PWG February 2023 F2F
 - Continue discussion
 - Use of RAR allows for scope/user access token reuse, no additional user interaction required for different groups
 - With OAuth scopes you have to go back through the authentication web page if they don't match
 - Make RAR required to support by Clients, optional for Printers (depends on AUTHZ to support0)

- Client MUST:
 - Use any scopes advertised by Printer to get session/user access token
 - Use RAR if types advertised by Printer to get printer group access token
 - Use token exchange if supported by AUTHZ to get printer access token
- Can't only use RAR because it is too new and isn't implemented yet
- Can't eliminate scopes entirely because scopes are part of core OAuth
- PWG isn't in a position to push a particular standard for OAuth
 - but we can make recommendations/best practices (good/better/best like IIG)
- Action: Mike to add Piotr to list of ippsample developers for access to wiki

Next Steps / Open Actions

- Next conference calls on March 2 and 16, 2023 at 3pm
- Action: Mike to post announcement for JOBEXT
- Action: Mike to provide updated description of new EPX printer-state-reasons keywords
- Action: Mike to add Piotr to list of ippsample developers for access to wiki
- Action: Smith to create IPP Everywhere 2.0 slides showing changes (PENDING)
- Action: Mike to update IPP Everywhere 2.0 test files (PENDING)