Internet Printing Protocol Meeting Minutes
February 2, 2023

Meeting was called to order at 3pm EST on February 2, 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-20230119.pdf
   - Approved as posted
3. Status of AMSC and ISO liaisons w/ PWG (Paul)
   - https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20221128.htm
   - 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
   - See PWG Steering Committee minutes from 11/28/22, 12/12/22, 01/09/23
4. Status of PWG and IPP WG Formal Approvals and Last Calls (All)
   - IPP Production Printing Extensions v2.0 - status (Mike)
     - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippppx20-20221212.pdf
     - PWG Approved - Stable draft - for a Candidate Standard
     - PWG Formal Vote started 3 January ends 31 January 2023
     - Quorum requires 7 votes (29 voting members x 25%)
     - Quorum achieved on 01/25/23 (8 responses)
     - Schedule - PWG Candidate Standard in Q1 2023
   - IPP Job Extensions v2.1 - status (Mike)
     - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippjobext21-20221212-rev.pdf
     - Stable draft - for a Candidate Standard

- PWG Call for Objections start 9 January end 10 February 2023
- Quorum is NOT required
- Schedule - PWG Candidate Standard in Q1 2023
  - IPP Driver Replacement Extensions v2.0 - review (Smith/Mike)
    - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippnodriver20-20230121-rev.pdf
    - Stable draft - for a Candidate Standard
    - PWG Last Call started on 31 October 2022 ended 5 January 2023
    - Quorum required 9 responses (30 members x 30%)
    - Quorum achieved on 12/20/22 (Google and Canon responses)
    - New draft and updated LCRC on 21 January 2023
    - PWG Formal Vote started February 1, 2023, ends March 1, 2023
5. F2F Slides
   - https://ftp.pwg.org/pub/pwg/ipp/slides/ipp-wg-agenda-februay-23d1.pdf
   - Add recording information to slide 2, 20, and 36
   - Siide 22: Update EPX from Smith
   - Slide 24: Printer registration, then discovery and client registration, then submission, then printing, also show different domains, etc.
   - Slide 32: alternative to token exchange, printer-uri + access level, update based on last F2F
   - Add another OAuth slide for HP's JWE stuff
   - Add another slide for the current ACME-IoT draft - need to go through the whole process of establishing trust
   - Identify protocols/methods used for trust in different use cases/scenarios
6. OAuth 2.0
   - https://ftp.pwg.org/pub/pwg/ipp/whitepaper/google-pwg_user_identity.pdf
     - Will review during the Feb 2023 F2F
   - HP JWE Proposal:
     - Problem we're trying to solve is that printer-uri can have multiple hostnames, but don't know which to use with the AS
       - Also for local printing, X.509 certificates for ".local" hostnames cannot be generated by a traditional CA
     - JWE/JWS token could provide signed identifier that proves it is used with the AS and that printer
       - New value is generated with every query from the Client
     - Work from home printer with OAuth (cloud or local)
     - ACME-IoT one way to provide a local CA
   - Need to identify how to establish trust, how to get resources, etc.

Next Steps / Open Actions

- Next conference calls on February 16 and March 2, 2023 at 3pm
- Face-to-face meeting February 7-9, 2023
- Action: Smith to provide OAuth updates from HP (DONE, posted to wiki)