

Internet Printing Protocol Meeting Minutes

April 27, 2023

Meeting was called to order at 3pm EST.

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)

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-20230413.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-20230306.htm>
 - <https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20230320.htm>
 - <https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20230417.htm>
 - See PWG Steering Committee minutes from 03/06/23, 03/20/23, 04/14/23
4. F2F Meeting prep
 - Reduce afternoon time for IPP/2.0 and IPP Everywhere 2.0 to 1 hour (3-4pm)
5. PWG Media Standardized Names v2.0 - update (Mike, Steven)
 - <https://ftp.pwg.org/pub/pwg/candidates/cs-pwgmsn20-20130328-5101.1.pdf>
 - <https://www.pwg.org/dynamo/issues.php?L+Z19> (Errata)
 - Update for Errata and vendor registrations since 2013 version
 - Action: Mike to post initial MSN 2.1 draft for May F2F
6. OAuth2 - review Trust Relationships (Smith)
 - <https://www.pwg.org/archives/ipp/2023/021380.html> (Trust Relationships)
 - <https://ftp.pwg.org/pub/pwg/ipp/slides/OAuth-2.0-Trust-Relationships-and-Resource-Identifiers-2023-04-11.pdf> (Trust Relationships slides)

- Review update on Trust Relationships posted on 03/28/23 (Smith)
 - Email discussion thru 04/11/23 (Mike)
 - Slide 3: "Authorization Service"
 - Slide 11:
 - Printer URI doesn't need to be globally unique - for Enterprise and Home it just needs to be locally unique ("foo.unit.company.com", "barXXxxXXxxXXxx.local", etc.)
 - Trust between multiple parties needs trusted root certificates - TOFU falls apart with large numbers of devices
 - Smith: If printer could provide self-signed cert to AUTHX, then it could be used for Client to validate the printer's certificate when doing token exchange
 - Mike: But currently that OAuth extension does not exist (if it did, then we could support self-signed certs)
 - Ira: OAuth best practices draft, "sender-constrained access tokens" talks about this?
 - RFC 8705: OAuth 2.0 Mutual-TLS Client Authentication and Certificate-Bound Access Tokens
 - Mike: Focus is on Client, not Printer/Resource server registration, doesn't directly apply
 - Mike: Very much want to work with existing AUTHX implementations since otherwise it won't be supportable - Microsoft/Google client implementations depend on their respective AUTHX implementations
 - Ira: The only use of UUIDs/URNs in OAuth is in the proof-of-possession draft - not used for resource IDs
 - Smith: Can we add "out of scope" section to the end of the IPPOAUTH draft?
 - Mike: Yes, I'll add it to the next draft
7. Javascript support (Google/Benjamin)
- Missing IPP post from March 23rd
 - Looks like Benjamin got bumped from the IPP list
 - Google would like to standardize a mapping of IPP to/from Javascript/JSON
 - Mike: Existing Javascript API has some holes but it is straight-forward

Next Steps / Open Actions

- Next conference call on May 11, 2023 at 3pm
- F2F sessions on May 17 and 18, 2023
- Action: Mike to post initial MSN 2.1 draft for May F2F
- Action: Mike to update WD templates to use "Security and Privacy Considerations" (PENDING)
- Action: Smith to create IPP Everywhere 2.0 slides showing changes (PENDING - started on it)

- Action: Mike to update IPP Everywhere 2.0 test files (PENDING)