

Internet Printing Protocol Meeting Minutes

March 30, 2023

Meeting was called to order at 3pm EST.

Attendees

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-20230302.pdf>
 - Approved as posted
3. IETF 116 Discussions
 - Still issues with 6874bis update in 6man (IPv6 link-local addresses in URIs)
 - QUIC issues with X.509 certificate chains - 3-5 RTTs
 - OAuth WG session Thursday night @ 8:30pm ET
 - IoT Ops WG session Thursday night @ 11:00pm ET (Mike is presenting IoT ACME work)
4. Status of AMSC and ISO liaisons w/ PWG (Paul)
 - <https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20230123.htm>
 - <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>
 - DRUPA NG opportunity between now and 2024
 - A few other bits as well
 - See PWG Steering Committee minutes from 01/23/23, 03/06/23, 03/20/23
5. IPP Enterprise Printing Extensions v2.0 - status (Smith)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippepx20-20230208-rev.pdf>

Prototype draft - for a Candidate Standard

IPP WG review completed on 16 February 2022

Schedule - Stable draft in Q2/Q3 2023

Mike and Smith continue to work on prototyping in PAPPL

6. OAuth2 - discussion (Benjamin, Piotr, Mike, Smith)
 - <https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20230216.pdf>
 - https://ftp.pwg.org/pub/pwg/ipp/whitepaper/google-pwg_user_identity.pdf
 - <https://www.pwg.org/archives/ipp/2023/021373.html>
 - <https://www.pwg.org/archives/ipp/2023/021376.html>
 - <https://www.pwg.org/archives/ipp/2023/021377.html>
 - <https://ftp.pwg.org/pub/pwg/ipp/slides/OAuth-2.0-Trust-Relationships-and-Resource-Identifiers-2023-03-27.pdf>
 - Discussion at PWG February 2023 F2F and IPP WG on 02/16/23, 03/02/23
 - Initial draft of Using OAuth w/ IPP posted on 03/10/23 (Mike)
 - Update on Trust Relationships posted on 03/28/23 (Smith)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippoauth10-20230310.pdf>
 - Title/Scope:
 - Consensus is to make this a standards-track specification titled "IPP OAuth Extensions v1.0 (OAUTH)"
 - Fix table-of-contents and lists
 - Abstract and Section 1: Make standards-focused instead of best practice
 - Section 1: Capitalize Client, Proxy, Printer, Trusted Root, etc.
 - Section 2.4: Add Trusted Root, reference to X.509 RFC that defines the Trusted Root and CA terms
 - Section 3: Fill out
 - Section 3.1:
 - Add placeholder for BYOD/Multi-Tenant/Domain use case (home and work accounts provided by the same AUTHZ but on separate domains)
 - Q: Do we need a separate use case for Get-User-Printer-Attributes?
 - Section 3.1.1: Remove "local" from "local printer"
 - Section 3.2.1:
 - "unknown to the client device"
 - Section 3.2.2:
 - "telling Sam that they cannot use the printer."
 - Section 3.2.x:
 - May need to talk about domains, public AUTHZ providers vs. private/local providers
 - "submits a print job FOR a printer" (not sent to it until authenticated)
 - Section 3.2.5:
 - Piotr: Make sure we require TLS someplace
 - Section 3.3:
 - It's a spec, drop #2
 - Section 3.4:
 - Update for a spec
 - Section 4.1:

- Figure 1: Fix labels on lines, choose better colors and maybe use dashes? Title "General Relationships for OAuth-Based Printing"
 - Moving definitions of "oauth-authorization-server-uri" attribute to this document, just do section reference.
 - Table 1:
 - Client/Proxy uses Allow List and X.509 Validation
 - Printer/System also has Allow List
 - Drop RAR (for now)
 - Change formatting to better show this content
 - Move up after figure 1
 - Section 4.1.x:
 - Reference RFC on X.509 validation
 - Add section references for attributes
 - Section 4.1.1:
 - "certificate RECEIVED from the server"
 - "hostname in the URI, THEN the Client ..."
 - Add section about Printer/System allow list for AUTHZ, best practices for providing trusted configuration info?
 - Global: Remove proposed RAR stuff
 - Section 9: "Security and Privacy Considerations"
 - Action: Mike to update WD templates to use "Security and Privacy Considerations"
 - Stopped at the end of 4.1.1
 - Ira: RFC 9325: Recommendations for Secure Use of Transport Layer Security (TLS) and Datagram Transport Layer Security (DTLS)
 - Also add to IPP Everywhere v2.0
 - Ira: TLS WG has moved TLS/1.3 updates to WG last call
 - Investigate changes offline to make note of significant changes in next call
1. Open Printing update (Ira)
- See Common Print Dialog Backends beta 4 release notes link from 03/21/23 (Till)
 - <https://openprinting.github.io/Common-Print-Dialog-Backends-Second-Generation-Forth-Beta-Release/>
 - See cups-browsed beta 4 release notes link from (03/21/23) (Till)
 - <https://openprinting.github.io/cups-browsed-Second-Generation-Forth-Beta-Release/>

Next Steps / Open Actions

- Next conference calls on April 13 and 27, 2023 at 3pm
- Action: Mike to update WD templates to use "Security and Privacy Considerations"
- Action: Mike to add Piotr to list of ippsample developers for access to wiki (DONE)
- 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)