Internet Printing Protocol Meeting Minutes
October 27, 2022

Meeting was called to order at 3pm EDT on October 27.

Attendees

Benjamin Gordon (Google - ChromeOS)
Smith Kennedy (HP)
Jeremy Leber (Lexmark)
Ira McDonald (High North)
Piotr Pawliczek (Google - ChromeOS)
Chris Rizzo (Xerox)
Anthony Suarez (Kyocera)
Michael Sweet (Lakeside Robotics)
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. Review previous minutes:
   - https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20220929.pdf
   - Approved as posted
3. Status/Review of various IPP mailing list notes (Zdenek, Mike, Smith)
   - https://www.pwg.org/archives/ipp/2022/021261.html
   - https://www.pwg.org/archives/ipp/2022/021263.html
     - Duplicate media sizes in registry...
     - Consensus: Deprecate the duplicates in the reigstry
     - Action: Mike to send updated IANA IPP registry deprecating duplicated media sizes
   - https://www.pwg.org/archives/ipp/2022/021269.html
     - US Govt Effort to Secure Household Internet-Enabled Devices
4. Status of AMSC and ISO liaisons w/ PWG (Paul)
   - https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20220919.htm
   - https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20221003.htm
   - https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20221017.htm
   - See PWG Steering Committee minutes from 09/19/22, 10/03/22, 10/17/22
5. Status of PWG and IPP WG Formal Approvals and Last Calls (All)
   - IPP Driverless Printing Extensions v2.0 - status (Smith/Mike)
     - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippnodriver20-20221005.pdf

- https://www.pwg.org/archives/ipp/2022/021251.html
- Stable draft - for a Candidate Standard
- IPP WG Last Call started on 10/12/22 and ended on 10/26/22
- Schedule - PWG Last Call in Q4 2022
- Mopria feedback in October 2022
    - Confusion over "driverless" title - not quite correct (actually generic OS driver)
    - Confusion over "driverless" title - versus IPP Everywhere
    - Rename spec?
    - Smith: Language barrier?
    - Mike: What about "IPP Driver Replacement Extensions"
    - Still doesn't change the content or document number
    - Consensus: Go with "IPP Driver Replacement Extensions" as the new name
- Title: IPP Driver Replacement Extensions v2.0 (NODRIVER)
- Abstract: "that has been traditionally provided by vendor- or model-specific drivers"
- Action: Mike to start PWG Last Call of NODRIVER when Smith posts an update
- IPP Production Printing Extensions v2.0 - status (Mike)
    - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippppx20-20220708.pdf
    - https://www.pwg.org/archives/ipp/2022/021221.html
    - Stable draft - for a Candidate Standard
    - PWG Last Call started on 10/11/22 and ends on 11/11/22
    - Have 7 responses already
    - Schedule - PWG Formal Approval in Q4 2022 / Q1 2023
7. OAuth2 multiple access tokens or realm identities? - discussion (Smith, Mike)
    - https://ftp.pwg.org/pub/pwg/ipp/whitepaper/OAuth-based-authentication-for-IPP-P
    - IPP mailing list discuss discussion started on 10/13/22
    - Use case: Users has work and home accounts through the same OAuth authorization server, wants to use home account to authorize home printers and work account for work printers
    - Client can't distinguish between two locations if oauth-authorization-server-uri and oauth-authorization-scope values are the same
        - From a standards/OAuth point of view, necessary to follow basic semantic meaning: authorization server + scope(s) defines an authorization context/realm
    - Client doesn't need to know what the scopes mean, just to ask for a list of scopes and the authorization server only returns the scopes the user is authorized for
        - Scopes for general roles/groups
        - OpenID can provide fine-grained access control behind the scenes (nothing required from Client)
    - Local printing with cloud auth:
        - Same concerns when server and scope(s) are the same but each printer has different access levels/orgs

- Again, if the server and scope are the same, the Client uses the same access token
- Piotr: Server metadata lists scopes but doesn't have to list them all
- Next steps: Mike will update the wiki page and will continue firming up what bits will be requirements and what bits will be declarative ("this is how you do it")
8. 3MF Liaison - update (Smith)
   - https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20221017.htm
   - PWG Steering Committee discussion on 10/17/21

Next Steps / Open Actions

- Next conference calls on November 10 and 24, 2022 at 3pm
- Slide review at November 10 meeting
- PWG face-to-face meeting November 15-17, 2022
- Action: Mike to send updated IANA IPP registry deprecating duplicated media sizes
- Action: Mike to start PWG Last Call of NODRIVER when Smith posts an update
- Action: Mike to post PWG Last Call of PPX, ending Oct 27th (DONE)