Internet Printing Protocol Workgroup Meeting Minutes August 9, 2018

Meeting was called to order at approximately 3pm ET on August 9, 2018.

Attendees

Smith Kennedy (HP)
Ira McDonald (High North)
Michael Sweet (Apple)
Bill Wagner (TIC)
Rick Yardumian (Canon)

Agenda Items

- 1. IP Policy and Minute Taker
 - http://www.pwg.org/chair/membership_docs/pwg-ip-policy.pdf
 - IP policy accepted, Mike taking minutes
- 2. Review previous minutes:
 - https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20180719.pdf
 - Approved as posted
- 3. Review of IPP WG slides for PWG F2F? (Mike)
 - https://ftp.pwg.org/pub/pwg/ipp/slides/ipp-wg-agenda-august-18d1.pdf
 - Slide 3: Change lunch break to 11-11:30
 - Slide 4 and 19: Change lunch break to 11-11:30, move auth to afternoon
 - Slide 7: Reprint is Prototype
 - Slide 14: Resuming at 11:30am
 - Slide 15: Prototype draft, move to stable ASAP
 - Slide 19: Sept 13 meeting will talk about TLS, add Wikipedia link
 - Slide 20: Move after slide 21
 - Slide 21: Resuming at 11:30am
 - Slide 23: Delete
 - Slide 27: HTUTIPP: publish in Q4 2018
 - Slide 28: Add "other errata updates" for 5100.5, 5100.7, and RFC 3996
 - Slide 29: Add note that Sept 13 meeting will talk about TLS
- 4. Status of TLS/1.3 (Ira)
 - TLS/1.3 in Auth48 in RFC Editor's Queue
 - https://datatracker.ietf.org/doc/draft-ietf-tls-tls13/
 - 10 years after publication of TLS/1.2 (RFC 5246)...
- 5. Status of Open Printing WG GSoC 2018 (Ira)
 - https://ftp.pwg.org/pub/pwg/liaison/openprinting/presentations/ TheLinuxFoundationGSoC-2018.pdf
 - Good progress on all projects good questions are all getting resolved
 - DONE 14 May GSoC coding begins

- DONE 11-15 June GSoc Phase 1 evaluations by Mentors and Students
- DONE 9-13 July GSoc Phase 2 evaluations by Mentors and Students
- NOW 6-14 August GSoC final week!
- 14-21 August Mentors submit final Student evaluations
- 22 August GSoC announces final results
- 6. Status of AMSC and ISO liaisons w/ PWG (Paul)
 - https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20180702.htm
 - See PWG SC minutes from 2 July 2018
- 7. Status of Safe G-Code (Mike)
 - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-pwgsafegcode10-20180704-rev.pdf
 - http://www.pwg.org/archives/ipp/2018/019661.html
 - Prototype draft IPP WG review on 7 June 2018
 - Schedule IPP WG Last Call Q4 2018
- 8. Status of IPP 3D Printing Extensions v1.1 (Mike)
 - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipp3d11-20180704-rev.pdf
 - http://www.pwg.org/archives/ipp/2018/019660.html
 - Prototype draft IPP WG review on 7 June 2018
 - Schedule PWG Last Call Q4 2018
- 9. Status of How to Print Using the IPP (Mike)
 - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippguide-20180430.html
 - https://github.com/istopwg/pwg-books
 - IPP WG review during PWG F2F May 2018
 - Current HTML draft available in Github repository
 - Schedule TBD
- 10. Status of IPP HTTP Authentication white paper (Smith)
 - https://ftp.pwq.org/pub/pwq/ipp/whitepaper/tb-ippauth-20180510.pdf
 - Interim draft IPP WG review during PWG F2F May 2018
 - Schedule TBD
- 11. Status of IPP Encrypted Jobs and Documents (Mike)
 - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipptrustnoone10-20180328-rev.pdf
 - http://www.pwg.org/archives/ipp/2018/019613.html
 - https://lists.gnupg.org/pipermail/gnupg-users/2018-May/060315.html
 - Interim draft IPP WG review during PWG F2F May 2018
 - Good news PGP-based path forward on 06/04/18!
 - Schedule Mike to work on updated draft w/ just PGP this fall
- 12. Status of IPP System Service (Ira/Mike)
 - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippsystem10-20180701-rev.pdf
 - http://www.pwg.org/archives/ipp/2018/019657.html
 - https://github.com/istopwg/ippsample/projects/1
 - Prototype draft IPP WG review during PWG F2F May 2018
 - Prototyping tasks being tracked as a Github project
 - Schedule prototype in "ippserver" Stable draft in Q3/Q4 2018
- 13. Status of IPP Reprint Password (Smith)
 - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippreprintpwd-20180620-rev.pdf
 - http://www.pwg.org/archives/ipp/2018/019631.html
 - Stable draft IPP WG review on 07/19/18
 - PWG process check back to Prototype next

- Schedule TBD
- 14. Status of IPP Everywhere Printer Self-Certification 1.0 Update 3?
 - http://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-f2f-minutes-20180515.pdf
 - Goals, ipptool and ippfind updates
 - Now have code signing certificate!
 - Schedule Mike to release beta of update 3 for testing soon
- 15. Status of IPP Everywhere 1.1 (Mike)
 - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeve11-20180704-rev.pdf
 - Prototype IPP WG review during PWG F2F May 2018
 - Schedule Q3/Q4 2018
- 16. Status of IPP Everywhere 1.1 Self-Certification Manual 1.1 (Mike)
 - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeveselfcert11-20180704-rev.pdf
 - Prototype draft IPP WG review during PWG F2F May 2018
 - Schedule Q3/Q4 2018
- 17. Discussion:
 - TLS/1.3 and uri-security-supported
 - Q: How does a Client learn about the highest supported version of TLS?
 - A: Client finds out this information when it does the TLS handshake, no way to know ahead of time.
 - Not just the version number, also supported cipher suites, X.509 certificate policies, etc.
 - DNS-SD values are not authoritative
 - Maybe include recommended steps for clients when connecting to printers in TLS 1.3 slide deck
 - Cloud print service implementing pull print mode (not printed until released by user at printer)
 - Q: What is the job state on the cloud service prior to being released?
 - A: pending, pending-held, processing, or processing-stopped (not a terminating state)
 - There are some existing server implementations that keep a job in a pending/pending-held state for 30-60 seconds (to allow a client to cancel the job before processing) and then move it to a terminating state (from the IPP side of things)
 - Things like page counters are supposed to be finalized when the job reaches a terminating state (i.e. not allows to update job-mediasheets-completed after the job is completed)

Next Steps / Open Actions

- PWG virtual F2F on August 15 and 16, 2018
- Next conference calls on August 30, 2018 and September 13, 2018
- Action: Mike to post approval of Canon sizes to IPP mailing list thread (PENDING)

- Action: Mike to assemble a list of specifications that reference PWG 5100.7 (PENDING)
- Action: Smith to post diagrams showing different encrypted job topologies (PENDING)
- Action: Mike to investigate IPPS issue in Wireshark "ipp" filter not working (PENDING)
- Action: Smith to follow-up on the 3MF liaison agreement (IN PROGRESS -Alexander Auster (Autodesk) will be taking over, Kurt Hunter has retired from Microsoft, Adrian is now shepherding things)