Internet Printing Protocol Meeting Minutes
February 27, 2025

Meeting was called to order at 3:00pm ET.

Attendees

    Charles Armstrong (Canon)
    Benjamin Gordon (Google)
    Smith Kennedy (HP)
    Jeremy Leber (Lexmark)
    Ira McDonald (High North)
    Chris Rizzo (Xerox)
    Mike Sweet (Lakeside Robotics)
    Anthony Suarez (Kyocera)
    Bill Wagner (TIC)
    Uli Wehner (Ricoh)
    Michael Ziller (Microsoft)

Agenda Items

1. PWG IP policy, minute taker, administrivia
   - Mike is taking minutes
2. Review IPP minutes from previous meetings:
   - https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20250130.pdf\
     - IPP WG conference call minutes from January 30, 2025
     - Approved as posted
   - https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20250204.pdf
     - IPP WG face-to-face minutes from February 4 and 5, 2025
     - Approved as posted
3. Mailing list notes
   - PWG 5100.18 compression-accepted vs. document-format-accepted
     - https://www.pwg.org/pipermail/ipp/2025/021780.html
     - https://ftp.pwg.org/pub/pwg/ipp/slides/mopria-compression-accepted-proposal-20250226.pdf
     - Ongoing discussion on and off the IPP mailing list
     - Q: Should we make compression-accepted default to compression-supported?
       - Mike: Potential issues with compression-supported because the Printer Description attribute can be a superset, just like document-format-supported
       - Michael: compression-accepted is listed as coming from 5100.17, not 5100.18?!?

- Mike: compression is more useful for uncompressed raster data than PDF
- Consensus: Yes, with some guidance on what compression algorithms/formats to use in the Infrastructure Printer
- Section 5.5.1 and 7.1.1 need updates, default is compression-supported for that Output-Device, Infrastructure Printer can choose the optimal compression/document-format values in the Fetch-Document response
- Also say something about Clients - might choose to do higher levels of compression (equivalent of "gzip -9") than is used locally, don't use compression for already-compressed formats (PDF)
  - Smith: What about backwards-compatibility (before compression would default to 'none', now compression could be 'none' or 'gzip')?
    - Mike: Not sure this is a big issue: if the printer supports it then the proxy just passes it through, proxy could supply 'compression-supported' as 'none' or omit from Update-Output-Device-Attributes request
    - Mike: Definitely want to talk about using compression "responsibly" to minimize bandwidth usage for uncompressed formats
    - Make sure that "compression" operation attribute is REQUIRED to support for the Proxy
  - Mike will produce an updated draft for WG review
- Fwd: New Version Notification for draft-sweet-iot-acme-07.txt (Mike)
  - https://www.pwg.org/archives/ipp/2025/021813.html
- Thanks (John Madden) - IPP/IPPS book
  - https://www.pwg.org/archives/ipp/2025/021814.html
- Daimler Truck moving to local 3D Printing of Spare Parts (Ira) - industrial 3D
  - https://www.pwg.org/archives/ipp/2025/021815.html
4. IPP WG Last Calls
   - IPP System Service v1.1
     - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippsystem11-20241011.pdf
     - Ended February 7, 2025
     - One response from Mike
     - Action: Mike to post PWG CfO for SYSTEM 1.1 starting Feb 27 and ending March 28
   - IPP Shared Infrastructure Extensions v1.1
     - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippinfra11-20240807.pdf
     - Ended February 7, 2025
     - Two responses from Mike, one ongoing discussion on the mailing list (see above)
     - Requires an updated draft and WG review before PWG CfO
5. Envelope Media Size Names (Mike, Charles)
   - https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-f2f-minutes-20250204.pdf
   - Schedule - Mike to prepare an envelope size registration

6. Registrations
    - IPP Console Extensions v1.0 (Mike)
        - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippconsole10-20250127-rev.pdf
        - Schedule - IPP WG Last Call in Q1/Q2 2025
        - Mike will provide an update before the next concall so we can start IPP WG Last Call
    - IPP Firmware Update Extensions v1.0 (Smith)
        - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippfwupdate-20241010-rev.pdf
        - Schedule - IPP WG Last Call in Q1/Q2 2025
        - Smith will provide an update to continue discussions
7. Specifications
    - IPP OAuth Extensions v1.0 (Mike/Piotr)
        - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippoauth10-20240624-rev.pdf
        - Schedule - PWG Last Call in Q1 2025
        - Mike will start PWG Last Call starting Feb 27 ending March 28 (see prior action item)
    - IPP Everywhere v2.0 (Mike)
        - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeve20-20250129-rev.pdf
        - Schedule - Restart development Q1/Q2 2025
8. ippsample/libcups discussions
    - Smith: ipptransform can send transformed files directly to an IPP printer like ipptool, but no test results
    - Q: What's the division of labor?
        - A: ipptransform is an "uber" version of the old PS/PCL print commands for ippserver/ippeveprinter, can also be used for transforming data that is sent to ippproxy
        - Getting used for CUPS 3.0's cupslocald and cupssharingd
        - Could be interfaced with ipptool to provide print data

Next Steps / Open Actions

- Next conference calls on March 13 and 27, 2025 at 3pm
- Talk about more "Strong Device Identity" at future (soon) concall, determine requirements/use cases
- Discuss printer-serial-number and printer-uuid privacy concerns at upcoming concall
- Action: Mike to post PWG CfO for SYSTEM 1.1 starting Feb 27 and ending March 28
- Action: Mike to start PWG Last Call of OAUTH from Feb 10 to Mar 7 (PENDING, update to Feb 27 to March 28)
- Action: Mike to prepare an envelope size registration document (PENDING)
- Action: Mike to update the IPP How-To Guide and post to IPP list for discussion

(PENDING)
- Action: Mike to update IPP Everywhere 2.0 test files (PENDING - started work on it)