

Internet Printing Protocol WG Minutes

March 30, 2015

Meeting was called to order at approximately 3:00pm ET March 30, 2015

Attendees

Smith Kennedy (HP)
Daniel Manchala (Xerox)
Ira McDonald (High North)
Mike Sweet (Apple)
William Wagner (TIC)
Rick Yardumian (Canon)

Agenda Items

1. IP Policy and Minute Taker
 - a. Policy accepted with Mike taking the minutes
2. Review previous minutes:
 - a. <http://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20150302.pdf>
 - c. Approved as posted
3. Status of various IPP documents (Ira/Mike)
 - a. IETF LDAP Printer Schema (Ira)
 - <http://ftp.pwg.org/pub/pwg/ipp/wd/draft-mcdonald-ldap-printer-schema-10-20150323.pdf>
 - Stable draft - updated per Pearl Liang (IANA) on 02/18/15
 - IETF LDAP Designated Expert comments on draft-10 on 03/23/15
 - RFC Editor Independent Stream - waiting for response by Ira (no new version needed)
 - b. IPP WG Charter (Ira)
 - <http://ftp.pwg.org/pub/pwg/ipp/charter/ch-ipp-charter-20150305.pdf>
 - PWG Approved - updates for IPP/1.1, Transform, Resources, milestones
 - c. IPP Everywhere Printer Self-Certification (SELCERT) (Mike)
 - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeveselfcert10-20140826-rev.pdf>
 - Prototype draft - prototype reports from HP on 8 & 14 January 2015
 - Reviewed by IPP WG on 08/28
 - Beta tools released on 08/28 (OS X/Linux) and 09/02 (Windows)
 - Schedule - PWG Last Call Q1/Q2 2015 - waiting for update by Mike
 - d. IPP Implementor's Guide v2.0 (IG) (Smith)
 - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippig20-20150303-rev.pdf>
 - Stable draft - prototype report on 12/08/14
 - IPP WG last call ended on 03/20/15

- Schedule - PWG Last Call Q2 2015
 - Action: Ira to post PWG Last Call of IPP IG to span April 2015 PWG F2F
4. IPP Shared Infrastructure Extensions (INFRA) (Mike)
- a. <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippinfra10-20141118-rev.pdf>
 - b. Stable draft - prototype report at PWG F2F in November
 - c. PWG Last Call extended to 03/09 - 10 responses, quorum achieved
 - d. Schedule - review PWG LC comments - PWG Formal Vote Q1/Q2 2015 - waiting for update by Mike
 - e. Did not review LC comments
 - f. Comments from discussion
 - IPP Infrastructure Printers are inherently spooling services
 - Add definition of Spooling Service from System Service spec
 - Check protocol role references
 - Double check that FaxOut is mentioned, Scan is out-of-scope
 - Pull JDFMAP I18N and security considerations
5. IPP System Service (Mike/Ira)
- a. <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippsystem10-20150315-rev.pdf>
 - b. Interim draft - need to add operation details
 - c. Reviewed by IPP WG on 11/04/14, 11/17/14, 01/19/15, and 02/03/15
 - d. Schedule - Prototype draft in Q3/Q4 2015
 - e. Abstract:
 - Change [REF####] to (REF #####)
 - Change "Cloud Imaging services" to "Cloud Imaging Systems"
 - Also check the introduction
 - f. Section 1:
 - Make sure we include reference to Cloud Imaging Model, include/cut+paste from abstract
 - g. Section 1.1:
 - "Protocol Endpoints" defined term
 - Make it clear that the returned printer-uri is for the default printer object and not the system service
 - h. Section 2.2:
 - Add references to IPP INFRA
 - Look at recent IPP specs to decide whether we do "IPP Foo" or just "Foo".
 - Add Printer (or IPP Printer) for job-based services
 - Add Infrastructure System definition
 - Expand Proxy definition to include talking to an Infrastructure System service to register the local System and get back Infrastructure Printer URIs...
 - i. Section 2.3:
 - Add "Protocol Endpoint" term, include mention of URI resource path being used to address a particular endpoint
 - j. Section 3.1:
 - Line 320: semi-colon at end of line
 - k. Separate Create-Resource into separate Create-Resource and Send/

- Upload-Resource operations
 - Allows us to provide nonces for hashing/signing resources that are uploaded
 - Makes it match up with Create/Send pattern in job services
 - Include rationale for omitted System/Resource operations
- l. Table 1:
 - Make owner-uri conditionally required with a note
 - Note for owner-uri makes it required for systems implementing the Set-System-Attributes and Register-System operations, for security tickets, etc. Not needed for low-end printers, but definitely for big iron/cloud services that are managed. Talk about it being an email URI, etc.
- m. Require owner-uri and owner-vcard to be updated together
 - Also talk about multiple owners, do we want "owner-uris" and "owner-vcards" 1setOf attributes?
 - ACLs
 - Etc.
- n. Table 3:
 - Just add Create-System-Subscriptions operation, Cancel, Renew, and Get are generic operations
 - Add Get-Printer-Attributes
 - Add Create-Resource-Subscriptions operation
 - To audit uploads of firmware, etc. resources
- o. Section 8.1: Drop "Create-Subscription" from title
- p. Section 10:
 - Add subsection for Infrastructure Systems (to catch Register/Deregister-System operation requirements)
- q. Section 11:
 - Update boilerplate from JDFMAP
- r. Section 12:
 - Update from JDFMAP Unicode string considerations
- s. References:
 - Add IPP INFRA reference (normative)
 - Add IDS Model and IAA references (informative to current work in progress)
 - Add Unicode references from JDFMAP
- u. Global: Replace "System Control Service" with "System Service" (but not for PWG SM services)
- 6. Discuss HP IPP Job Password Constraints Proposal (Smith)
 - a. See email discussions
 - b. Reviewed at PWG F2F on 02/04
 - c. Proposal from Mike:
 - job-password-policy-configured (type2 keyword) with named policies (see mailing list archives) and job-password-policy-supported (1setOf type2 keyword) for list of supported policies
 - job-password-minimum-length (integer) for minimum length
 - d. Continue discussion of job password constraints on the IPP mailing list

- f. Schedule - TBD
8. Discuss HP IPP Document Encryption Proposal (Smith)
 - a. See email discussions
 - b. Reviewed at PWG F2F on 02/04
 - c. Did not get to this
 - d. Schedule - TBD

Next Steps / Open Actions

- Next IPP conference call April 13, 2015 at 3pm ET
- Continue discussion of job password constraints on the IPP mailing list
- Continue discussion of document encryption on the IPP mailing list
- Action: Ira to post PWG Last Call of IPP IG to span April 2015 PWG F2F
- Action: Smith Kennedy, Ira McDonald, and Joe Murdock to research password policies for job-password attribute (ONGOING)
- Action: Ira to post an issue on the PWG web site for PWG 5100.11's convoluted definition of 'guaranteed'. (PENDING)
- Action: Mike to send Ira description and examples of Register-System operation (PENDING)