IPP Working Group Session

October 2, 2012

PWG "Virtual" F2F Meeting

IPP WG Meeting Agenda

Tuesday, October 2

1:00 - 1:05	Introductions, Minute Taker, Agenda Review
1:05 - 1:15	Current IPP WG status
1:15 - 2:15	IPP Everywhere + JPS3 Errata
2:15 - 3:15	PWG Media Standardized Names 2.0 (MSN2)
3:15 - 3:30	Break
3:30 - 4:45	IPP FaxOut Service
4:45 - 5:00	Next Steps

IPP WG Officers

- IPP WG Co-Chairs:
  - Paul Tykodi (TCS)
  - Ira McDonald (High North)
- IPP WG Secretary:
  - Michael Sweet (Apple)
- IPP WG Document Editors:
  - Ira McDonald (High North) – IPP Everywhere, IPP Scan Service, IPP over HTTPS Transport Binding and "ipps" URI Scheme, LDAP Schema for Printer Services
  - Michael Sweet (Apple) – IPP Everywhere, PWG Media Standardized Names 2.0, IPP over HTTPS Transport Binding and "ipps" URI Scheme, LDAP Schema for Printer Services, IPP FaxOut Service

IPP WG Status

- IPP Everywhere specs in development:
  - IPP Everywhere (PWG Formal Vote starting soon)
  - IETF IPP over HTTPS Transport Binding and "ipps" URI Scheme
  - IETF LDAP Schema for Printer Services (updates RFC 3712)
  - PWG Media Standardized Names 2.0 (MSN2 - WG Last Call soon)

- IPP Multifunction specs in development:
  - IPP Scan Service
  - IPP FaxOut Service

- IPP Cloud binding specs in development:
  - None (yet)

IPP WG Status

- Candidate Standards:
    - IPP: Job and Printer Extensions - Set 3 (JPS3)
    - PWG Raster Format

- Up-to-date pending IANA registrations online:
    - http://www.pwg.org/ipp/ipp-registrations.xml
    - Will maintain this in parallel for new specifications
    - Also have some MIB registrations pending

Document Editors Needed

- As we complete our work on IPP Everywhere, we need to identify editors for the IPP Multifunction specifications

- Need a new editor for IPP Scan Service since Andrew is no longer able to serve as editor

- Additional multifunction services need to be addressed: FaxIn, Copy, System Control, Transform

  - These should be relatively easy since they are essentially binding specs that reference the corresponding Semantic Model specs

  - See FaxOut for an example of how easy it will be

- IPP Multifunction spec will likely be an update of IPP Everywhere with pointers to the corresponding service specifications

IPP Everywhere

- Current (stable) draft at:
  - ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeve10-20120926-rev.pdf
  - PWG Last Call concluded August 24, 2012
- 165 Last Call comments
  - ftp://ftp.pwg.org/pub/pwg/ipp/wd/lcrc-ippeve10.txt
  - 138 comments resolved
  - 22 comments rejected
  - 5 comments pending/require further discussion
- Proposed schedule:
  - PWG Formal Vote starting later in October 2012

IPP Everywhere Comments

- GP113: Line 527: Since the words "with generic drivers" was [sic] not deleted; I content [sic] there needs to be a wording change. It is not a "generic driver". As it will always be, there is a device specific driver in the print-stream somewhere; mostly likely within a printer or virtual printer controller. Anyway, I believe the term "driver" should be replaced with something else.
  - Ira mentioned that the IPP Everywhere specification needed to stay synchronized with the existing IPP Everywhere charter. Specifically OBJ-6 from the current charter which states "Design to allow the use of vendor-neutral generic print drivers (e.g., one per document format) by IPP Everywhere and IPP Multifunction clients."
  - The group discussion confirmed that "generic print drivers" is not a reference to the generic print drivers developed by many device manufacturers, which are able to support multiple devices from the manufacturer's portfolio of products.
  - There was also significant discussion about the entities, which might decide to create IPP Everywhere conforming drivers:
    - Operating System Vendors
    - Printer and MFP manufacturers
    - Commercial Software Vendors
  - The discussion ended with some items left unresolved:
    - a. Would using the title cased term Generic Drivers be helpful?
    - b. If the answer to item a. was Yes, a new definition would need to be created.
    - c. On line 645 [section 3.4 item 4], the items currently delineated by commas should each be listed separately as design requirements

IPP Everywhere Comments

- GP28: Section 3.2.2: The Client queries the printer, not the User. – The term User can refer to both a person or to Automata. We need to select a different term to refer to actions only undertaken by people (not Automata) in the use cases.

- GP30: Section 3.2.2.x: "Jane" instead of "User"? – Same issue to be resolved as item GP 28.

- GP39: Section 3.2.2.4: "provides a preview" instead of "displays a preview"
  - Much of the confusion is due to the definition of "User" in section 2.3 including automata.
  - Two proposals:
    - Use names ("Jane", "John", etc.) instead of "User"
    - Drop automata from the definition of User

IPP Everywhere Comments

- MY1: Sorry to give you one more correction this late, but Table 8 lists job-mandatory-attributes as coming from 5100.11 but it's actually defined in 5100.7 and it also lists job-mandatory-attributes in the job template attributes table, but it's actually defined in 5100.7 as an operation attribute.
  - PENDING: Will update the references accordingly.

IPP JPS3 Errata

- 6.10 Create-Job, Print-Job, and Print-URI Operations: "ipp-attribute- fidelity", "job-mandatory-elements", and "media-col"
  - "job-mandatory-elements" should be "printer-mandatory-job-attributes" in this section.

PWG Media Standardized Names 2.0 (MSN2)

- Current (stable) draft:
  - ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-pwgmsn20-20120923-rev.pdf
- Open issue:
  - Additional media types for large-format and label/receipt printers (proposed in current draft)
- Proposed schedule:
  - WG Last Call starting late October 2012
  - PWG Last Call to span December 2012 F2F
  - PWG Formal Vote starting in January 2013

IPP FaxOut Service

- Current (interim) draft:
  - ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippfaxout10-20110922.pdf
- Known issues:
  - Missing Printer Description attributes (phone number, etc.)
  - Need to talk about Set-Printer-Attributes and document what is settable
  - Reference printer-state-reasons from MFD Alerts
    - Also talk about "sticky" keywords set/cleared only while processing
  - cover-sheet-info/-default can have "no-value" value to disable the Printer-generated cover page
- Proposed schedule:
  - Prototype draft Q4 2012/Q1 2013
  - Stable draft, WG Last Call Q1 2013

IPP WG Next Steps

- IPP Everywhere
  - Formal Vote Q4 2012
  - Virtual interoperability event for IPP Everywhere starting in Q1 2013

- IPP Multifunction
  - Interim working drafts of IPP Scan Service and IPP FaxOut Service in Q4 2012/Q1 2013
  - Initial working drafts of other specifications starting in Q1 2013

- IPP Shared Infrastructure Extensions starting in Q1 2013?

IPP WG Info / Participation

- We welcome participation from all interested parties
- IPP Working Group web page
  - http://www.pwg.org/ipp/index.html
- IPP Working Group wiki
  - http://pwg-wiki.wikispaces.com/IPP
- Subscribe to the IPP mailing list
  - http://www.pwg.org/mailhelp.html
- IPP WG holds bi-weekly phone conferences announced on the IPP mailing list
  - Next conference call is October 22, 2012 at 3pm (EST)