IPP Working Group Session

14 October 2009

Cupertino, CA - PWG F2F Meeting

IPP WG Meeting Agenda

3:00-3:15	Introductions, Minute Taker, Agenda Review
3:15-3:20	Current IPP document status
3:20-3:30	Discuss IPP Everywhere BOF
3:30-4:45	Review IPP Production Printing Set 2
4:45-5:00	Action Items and Next Steps

IPP WG Officers

- IPP WG Chair:
  - Paul Tykodi (TCS)
- IPP WG Secretary:
  - Michael Sweet (Apple)
- IPP WG Document Editors:
  - Tom Hastings (formerly Xerox) – IPP PP Set 2
  - Ira McDonald (High North) – IPP Version 2.0
  - Mike Sweet (Apple) – IPP Version 2.0

IPP WG Current Status

- **IPP Version 2.0 First Edition**
  - PWG Candidate Standard – defines IPP/2.0 and IPP/2.1
  - ftp://ftp.pwg.org/pub/pwg/candidates/cs-ipp20-20090731-5100.10.pdf

- **IPP Printer State Extensions (PSX)**
  - PWG Candidate Standard – IPP Printer/Finisher alerts
  - ftp://ftp.pwg.org/pub/pwg/candidates/cs-ippstate10-20090731-5100.9.pdf

IPP WG Current Status

- IPP Production Printing Set 2
  - Prototype Draft – extends IPP Production Printing Set 1
  - Resubmit-Job, Cancel-Jobs, job save, proof print, etc.
  - ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippprodprintext10-v8-20091008-rev.pdf
- IPP Version 2.0 Project Charter
  - PWG SC Approved – adds IPP Production Printing Set2
  - ftp://ftp.pwg.org/pub/pwg/ipp/charter/ch-ippv2-20090819.pdf

IPP Everywhere BOF

- BOF in Feb 2010 to discuss:
  - Standard document formats
  - Printer discovery
  - Getting IPP/2.0 support in every printer and client
- Preliminary goals:
  - Define a useful baseline for IPP support
  - Promote interoperability and widespread implementation of IPP/2.0 in the industry
  - Pull in other non-IPP specifications as needed

IPP PP Set 2: Changes

- New Resubmit-Job and Cancel-Jobs operations
- Revised Get-Jobs and Purge-Jobs operations
- New job-ids (1setOf (integer)) operation attribute
- New job-ids-supported (boolean) printer description attribute
- New job-state-reasons keywords
- Job save cleanup
- Proof print cleanup

IPP PP Set 2: Resubmit-Job

- Like Reprocess-Job but supports providing new processing/job template attributes

IPP PP Set 2: Cancel-Jobs

- Like Cancel-Job but for multiple jobs
- Target is always a printer-uri
- Client provides job-ids (1setOf (integer)) or my-jobs (boolean) operation attributes to cancel a subset of all jobs
- Same security policy as Cancel-Job
- Avoids complicated changes to Purge-Jobs

IPP PP Set 2: Get-Jobs

- Add optional job-ids (1setOf (integer)) operation attribute to get a set of jobs
    - Complements existing my-jobs and which-jobs selectors

IPP PP Set 2: Purge-Jobs

- Add optional job-ids (1setOf (integer)) operation attribute to purge a set of jobs
- Allows selective purging of jobs - previously Purge-Jobs only supported a full wipe of jobs

IPP PP Set 2: job-state-reasons

- Existing job-completed-successfuly, -with-errors, and -with-warnings now a composite value
- job-saved-successfully, -with-errors, and -with-warnings track save status
- job-printed-successfully, -with-errors, and -with-warnings track print status

IPP PP Set 2: Job Save Cleanup

- Original job goes to completion and is retained until deleted or purged

- Saved jobs are printed using Reprocess-Job or Resubmit-Job operations

- Added http scheme as a SHOULD for save-location

- save-name support for subdirectories is implementation- or location-specific; invalid save-name values return client-error-attributes-or-values-not-supported

IPP PP Set 2: Proof Print Cleanup

- Original job goes to completion and is retained until aged out, deleted, or purged
  - Printer might use different aging algorithm/priority for proof jobs than regular jobs
- Proof jobs are reprinted using the Reprocess-Job or Resubmit-Job operations
- Proofs can be re-saved using Resubmit-Job
- If save job is supported, then proof prints must also be supported

IPP WG Next Steps

- IPP Production Printing Set 2
  - Revise Prototype Draft per review at October F2F
  - Prototype at Xerox (or elsewhere)
  - PWG Last Call in Q1 2010 (w/ IPP Version 2.0 2nd Ed)
- IPP Version 2.0 Second Edition
  - Initial draft in Q4 2010 – add IPP/2.2 (Prod Print)
  - Include all IETF and PWG IPP extension specs
  - PWG Last Call in Q1 2011 (w/ IPP Prod Print Set2)
- IPP 2.0/2.1/2.2 Interoperability Testing
  - Interoperability event in Q2/Q3 2011
- IPP Everywhere
  - BOF at PWG F2F in February 2010 (Mike Sweet)

IPP WG Info / Participation

- We welcome participation from all interested parties

- IPP Working Group web page
  - http://www.pwg.org/ipp/index.html

- 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