

IPP Working Group Session

10 June 2010

Webster, NY - PWG F2F Meeting

IPP WG Meeting Agenda



3:45 - 3:50	Introductions, Minute Taker, Agenda Review
3:50 - 4:00	Current IPP WG status
4:00 - 4:15	Discuss Job and Printer Set 2
4:15 - 4:45	Discuss IPP/2.0 Second Edition
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 (retired Xerox) – IPP JPS2
 - Ira McDonald (High North) – IPP Version 2.0
 - Michael 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 Job and Printer Operations Set2 (JPS2)
 - WG last call
 - Resubmit-Job, Cancel-Jobs, Cancel-My-Jobs, Close-Job, job save, proof print, etc.
 - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippjobprinterext10-v28-20100606-rev.pdf>
- IPP Version 2.0 Project Charter
 - PWG SC Approved – adds IPP Job and Printer Operations Set2
 - <ftp://ftp.pwg.org/pub/pwg/ipp/charter/ch-ippv2-20090819.pdf>
- IPP/2.0 SE
 - Draft posted
 - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipp20-20100527-rev.pdf>

IPP JPS2 Status



- Updated state transition diagram to show that “job-hold-xxxx” and “job-delay-output-xxxx” are managed separately
- Removed “job-delay-output-xxxx” from Hold-Job and Release-Job operations; Set-Job-Attributes must be used
- Clarified that “job-hold-until” and “job-hold-until-time” are mutually-exclusive and setting one replaces the other
- Clarified that “job-delay-output-until” and “job-delay-output-until-time” are mutually-exclusive and setting one replaces the other
- General cleanup/reorg of sections as needed

IPP/2.0 SE



- Added back all required sections and tables for IPP/2.2 conformance level from 18 November 2008 draft of IPP/2.0 First Edition
- Restart-Job, Purge-Jobs, and Delete-Document now OPTIONAL and DEPRECATED because they destroy accounting information
- Activate-Printer and Deactivate-Printer now OPTIONAL and DEPRECATED since they are redundant compound operations and are not widely implemented
- Cancel-Jobs, Cancel-My-Jobs, Close-Job, and Resubmit-Job from IPP JPS2 added as REQUIRED for IPP/2.2

IPP/2.0 SE



- “output-bin-default” and “output-bin-supported” added as REQUIRED (missing in First Edition, “output-bin” was already REQUIRED)
- “printer-device-id” added as REQUIRED
- IPP JPS2 REQUIRED attributes added to IPP/2.2

- Validate-Job issue:
 - Made OPTIONAL in IPP/2.0 FE for IPP/2.0
 - We missed a good use case for Validate-Job - authentication/ authorization prior to printing
 - Need to re-word text (but keep OPTIONAL) for IPP/2.0 and add justification for continuing to be REQUIRED in IPP/2.1 and IPP/2.2

CUPS ipptool



- <http://www.cups.org/software.php>
- IPP/1.1, IPP/2.0, and IPP/2.1 conformance tests
- Binaries available for Linux, Mac OS X, and Windows
- Simple text-based test files:

```
{  
  NAME "Name of test"  
  OPERATION Get-Printer-Attributes  
  GROUP operation-attributes-tag  
  ATTR charset attributes-charset "utf-8"  
  ATTR naturalLanguage attributes-natural-language "en"  
  ATTR uri printer-uri "$uri"  
  STATUS successful-ok  
  EXPECT printer-uri-supported OF-TYPE uri  
}
```

IPP WG Next Steps



- IPP Job and Printer Operations Set2 (JPS2)
 - Get prototype experience
 - PWG Last Call in Q2 2010 (w/IPP Version 2.0 2nd Ed)
- IPP Version 2.0 Second Edition
 - Review and update drafts
 - PWG Last Call in Q2 2010 (w/JPS2)
- IPP 2.0/2.1/2.2 Interoperability Testing
 - Interoperability event in Q2/Q3 2010

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