



Cloud Imaging Working Group

February 8, 2012

Irvine, CA

Cloud Imaging WG Meeting Agenda



When	What
9:00 – 9:15	Introduction and Administrative Issues Intellectual Property Policy Statement Identify Minute Taker Introduce Participants Consider Agenda Acceptance of Previous Minutes (ftp://ftp.pwg.org/pub/pwg/cloud/minutes/cloud-concall-minutes-20120130.pdf)
9:15 – 9:30	Action Items Review
9:30 – 10:00	PWG Job Ticket /Printer Characteristics – Review WG Last Call Comments
10:00 – 10:30	Review of Cloud Printing spreadsheet
10:30– 10:45	Break
10:45 – 11:45	Job Ticket /Printer Characteristics Mapping Best Practices
11:45 – 12:00	Next Steps, Wrap Up

Officers

- ❖ Chair: Ron Nevo (Samsung)
- ❖ Vice Chair: Bill Wagner (TIC)
- ❖ Secretary: Michael Sweet (Apple)
- ❖ Document Editors:
 - Ira McDonald (High North): Job Ticket Mapping (JDF), Cloud Imaging Model and Requirements, Cloud Print IPP Binding
 - Joe Murdock (Sharp): Cloud Imaging Model and Requirements, Cloud Print SOAP Binding
 - Peter Zehler (Xerox): PWG Job Ticket and Printer Characteristics, Job Ticket Mapping(MSPS), Cloud Imaging Model and Requirements, Cloud Print SOAP Binding
 - Ron Nevo (Samsung): Job Ticket and Printer Characteristics Mapping Best Practices, Cloud Imaging Model and Requirements
 - Michael Sweet (Apple): JobTicket Mapping (PPD), Cloud Imaging Model and Requirements,
 - Justin Hutchings (Microsoft): Job Ticket Mapping (MSPS)

Action Items

- ❖ All members to work with Larry to fill out Cloud Printing spreadsheet (ONGOING)
- ❖ Continue Mapping of PWG Semantic Model elements into PPD, MSPS, and JDF formats (Best Practices Document)
- ❖ Ira to work with Justin on MSPS mapping (ONGOING)
- ❖ Action: Michael Sweet to work with Justin/Microsoft Legal on the appropriate citation/reference to MSPS based on the new license for inclusion with the MSPS content in the mapping document, and any process for the PWG to make a formal request (ONGOING)
- ❖ Action: Ron or Bill to post a call for wider participation of driver developers for the XPS/MSPS stuff (ONGOING)
- ❖ Action: Mike to prepare new draft of PPD Mapping whitepaper (ONGOING - pending table updates)

Consideration of PWG Job Ticket



- ❖ Draft of “Print Job Ticket and Associated Capabilities”
 - <ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-sm20-printjobticket10-20120117.pdf>
 - Job Ticket and Capabilities (capabilities, identification and some status information) for the Print Service, derived from current MFD Semantic Model
- ❖ Review
 - Review Working Group Last Call Comments

Cloud Printing Spreadsheet



Review of existing Cloud Printing Implementations

- ❖ Larry Upthegrove tested and has compiled the characteristics of different existing implementations.
- ❖ Current Compilation at :

ftp://ftp.pwg.org/pub/pwg/cloud/white/cloud_mobile_print_solutions.xlsx (may be updated)

Members asked to contribute additional observations and information on additional implementations

Job Ticket /Printer Characteristics Mapping Best Practices Document



❖ Outline

1. Introduction
2. Terminology
3. Requirements
4. Microsoft Paper Schema Specification (MSPS)
5. Postscript Printer Description (PPD)
6. CIP4 Job Definition Format (JDF)
7. Internationalization Considerations
8. Security Considerations
9. References
10. Authors' Addresses

❖ Initial Draft

Job Ticket /Printer Characteristics Mapping Best Practices Document



- ❖ “Mapping of PPD and JDF to/from PWG Print Job Ticket”

<ftp://ftp.pwg.org/pub/pwg/cloud/wd/wd-cloudmap10-20111204-rev.pdf>

- ❖ Discuss any updates to PPD and JDF sections
- ❖ Add MSPS to Title, Introductory information and Contents
- ❖ Discuss MSPS Elements and Mappings to PWG Elements

Job Ticket /Printer Characteristics

JDF, PPD, MSPS References



JDF References

- CIP4, "JDF Specification Release 1.4a", December 2009, 13 (http://www.cip4.org/menu.php?name=technical_resources 14)
- CIP4, "Integrated Digital Printing (IDP) ICS Version 1.3 Errata 15 Revision A, February 2009, 16 (http://www.cip4.org/document_archive/ics.php)

PPD References

- Adobe Systems Incorporated, "PostScript Printer Description File Format Specification Version 4.3", Technical Note #5003, February 1996 (http://partners.adobe.com/public/developer/en/ps/5003.PPD_Spec_v4.3.pdf)
- Adobe Systems Incorporated, "Update to PPD Specification Version 4.3", Technical Note #5645, April 1997, http://partners.adobe.com/public/developer/en/ps/5645.PPD_Update.pdf
- M. Sweet, "CUPS PPD Extensions", <http://www.cups.org/spec-ppd.html>

❖ MSPS References

- <http://msdn.microsoft.com/en-us/library/windows/hardware/gg463418.aspx>
- <http://msdn.microsoft.com/en-us/windows/hardware/gg463433>
- <http://msdn.microsoft.com/en-us/library/windows/hardware/gg463390.aspx>

Next Steps



- ❖ Support of Current Cloud Printing Approaches
 - Last Feedback to Semantic Model WG on PWG Job Ticket document
 - Mapping of PWG Semantic Model elements into PPD, MSPS and JDF formats (Best Practices Document)
- ❖ Proceed with Cloud Imaging Model and Requirements Document
 - Consideration of Use cases from General Use Case Document
 - Generation of Skeleton Document
- ❖ Specific Action Items!

Cloud Imaging WG Participation

- ❖ We welcome participation from all interested parties
- ❖ Cloud Imaging Working Group Web page
 - <http://www.pwg.org/cloud/index.html>
- ❖ Cloud Imaging Working Group Wiki
 - <http://pwg-wiki.wikispaces.com/Cloud+Imaging>
- ❖ Subscribe to the Cloud mailing list
 - <https://www.pwg.org/mailman/listinfo/cloud>
 - cloud@pwg.org
- ❖ Cloud Imaging WG holds bi-weekly phone conferences announced on the Cloud mailing list
 - Next conference call is February 20, 2012 at 1 pm (ET)
 - Conferences alternate weeks with IPP WG calls