



Cloud Imaging Working Group

Aug 6 & 8, 2012

Redmond WA- Microsoft

Cloud Imaging WG Meeting Agenda Aug 6-7



| When | What |
|-------------|---|
| Aug 6 | |
| 1:30 – 1:45 | 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-20120625.pdf |
| 1:45 – 2:00 | Action Items Review & Charter Update |
| 2:00 – 3:00 | PWG Cloud Printing Model and Requirements - Restatement of Scope and Review of Section 3 |
| 3:00 – 3:15 | Break |
| 3:15 – 5:00 | Review of Cloud Printing Model – Section 4 |
| Aug 8 | |
| 1:30 – 2:45 | Review of Updates to Model Document and Continued Development |
| 2:45 – 3:00 | 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
 - Larry Upthegrove : Cloud Printing Requirements and Model
 - Peter Zehler (Xerox): PWG Job Ticket and Printer Capabilities, Job Ticket Mapping(MSPS), Cloud Printing Requirements and Model
 - Ron Nevo (Samsung): Job Ticket and Printer Characteristics Mapping, Cloud Printing Requirements and Model
 - Michael Sweet (Apple): JobTicket Mapping (PPD), Cloud Imaging Model and Requirements,
 - Justin Hutchins (Microsoft): Job Ticket Mapping (MSPS)

Status & Action Items



❖ State of Print Job Ticket Specification:

- Voting to advance to Candidate Standard ended 30 July
- Sufficient Votes received to meet quorum; no NO votes recorded
- Some editorial changes requested

❖ State of Mapping Specification

- Title made more general, intended specification type changed from "Best Practice" to "Candidate Standard", and two-phase effort defined
- Last post (<ftp://ftp.pwg.org/pub/pwg/cloud/wd/wd-cloudmap10-20120604.pdf>) reflects comments made on review of May version, but does not include any substantive changes.
- Effort to resume:
 - Ira to work with Justin on MSPS mapping (ONGOING - work started)
 - Mike to update PPD Mapping (ONGOING - pending table updates)

❖ State of Model Specification

- Primary current work effort
- Current Draft: <ftp://ftp.pwg.org/pub/pwg/cloud/wd/wd-cloudmodel10-20120723.pdf>

❖ AdditionalAction: Joe - update definition of visible/visibility to cover AAA

❖ Updated Charter draft:

- posted at <ftp://ftp.pwg.org/pub/pwg/cloud/wd/wd-cloud-charter-20120428.pdf>
- Review and request that it be approved by SC

❖ Google I/O 2012 - Beyond Paper: Google Cloud Print and the Future of Printing

- <http://www.youtube.com/watch?v=0G9OaTzdOa0>
- Relation to PWG Model?

Cloud Printing Requirements and Model – Scope Consideration



- Affirmation of the functional elements in the original model
- Recognition that:
 - Cloud Print Provider is an environment rather than a functional element;
 - Cloud Print Provider includes “Printer Registration”, “Client Association”, and “Printer Enumeration” aspects that may be part of a larger Cloud environment with specific interfaces determined by others
 - Client ⇔ Cloud Print Service interface should conform to the Client ⇔ Print Service interface already defined in the Semantic Model (with some additional identification, authentication, authorization considerations)
 - Primary “new” and Printing specific interface is that between the “Print Cloud Service ⇔ Cloud Print Manager”.

Cloud Printing Requirements and Model – Scope Consideration



- Therefore, the intent is that the specification will:
 - Identify the Rationale for and Requirements of a Cloud Printing capability with respect to addressing identified Use Cases.
 - Outline the operation of the Cloud Printing Facility
 - Define the “Print Cloud Service ↔ Cloud Print Manager” interface.
 - Describe the Client ↔ Cloud Print Service interface, referring to existing PWG standards for details.
 - Functionally describe the relationship between the Cloud Print Provider and the Client and the Cloud Print Manager with respect to “Printer Registration”, “ Client Association”, and “Printer Enumeration” aspects.

❖ Current Draft

<ftp://ftp.pwg.org/pub/pwg/cloud/wd/wd-cloudmodel10-20120723.pdf>

- Imaging or Printing?

❖ Review of Section 3.

- Should “Design Requirements” presuppose a design or should they rather identify the functional requirements of the overall capability. That is, should this be the place where the functional requirements of all aspects are outlined, including those for which a detailed definition of the interface is out of scope for this document?
- Should Design Requirements be keyed to each use case? Then have a consolidation of requirements? At least, each requirement must be correlated to the Use Case or cases that prompts it.

❖ Review of Section 4.

➤ Should section be structured:

- Presenting the overall model first,
- Identification of the functional elements,
- Discussion of how the elements interact for each process in general sense.
- Detailed discussion of Client ↔ Cloud Print Service interface
- Definition of Cloud Print Manager ↔ Cloud Print Service interface (sequence diagrams)

➤ OR, as has been suggested, should Model design be developed by:

- Describing processes and agents required to satisfy each Use Case
- Then extrapolating this to a general Model
- Finally, identifying element interactions a:
 - part of the environment,
 - instances of PWG printing interfaces identified elsewhere
 - new interfaces with definitions

Cloud Print Model



❖ Review of Section 4.

➤ Sequence Diagrams

<ftp://ftp.pwg.org/pub/pwg/cloud/white/Cloud%20Print%20sequence%20drawing%20print%20processs20120723.pdf>

- ❖ Cloud Imaging Model and Requirements Specifications
 - Continue with Cloud Printing Model and Requirements
 - Additional Contributors ?
 - Cloud Multifunction Model and Requirements
- ❖ Support of Current Cloud Printing Approaches
 - CLOUDMAP V1- Mapping of PWG Semantic Model elements into PPD, MSPS and JDF formats
 - CLOUDMAP V2- Mapping of PWG Semantic Model elements into IPDS, MODCA and CIM formats
- ❖ 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 August 27, 2012 at 3 pm (ET)
 - Conferences on opposite weeks of IPP WG calls