



Cloud Imaging WG Plenary Report

August 1, 2011

Camas, Washington

Officers

- ❖ Chair: Ron Nevo (Samsung)
- ❖ Vice Chair: Bill Wagner (TIC)
- ❖ Secretary: Michael Sweet (Apple)
- ❖ Document Editors:
 - Ira McDonald (High North): Cloud Print Internet Printing Protocol Binding, Cloud Imaging Model and Requirements, Print Ticket Mapping
 - Joe Murdock (Sharp): Cloud Print SOAP Binding, Cloud Imaging Model and Requirements
 - Peter Zehler (Xerox): Cloud Print SOAP Binding, Cloud Imaging Model and Requirements, Print Ticket Mapping
 - Ron Nevo (Samsung): Cloud Imaging Model and Requirements, Print Ticket Mapping
 - Michael Sweet (Apple): Cloud Imaging Model and Requirements, Print Ticket Mapping
 - Justin Hutchins (Microsoft): Print Ticket Mapping (XPS)

Overview



- ❖ To allow support of convenient and full featured imaging services in conjunction with Cloud Computing and other Cloud-based facilities, the PWG held a series of BOF meetings focused on modeling and understanding the use cases, requirements, and existing implementations.
- ❖ This culminated with the creation of the Cloud Imaging Working Group in February 2011.
- ❖ The approved charter of the working group is at <ftp://ftp.pwg.org/pub/pwg/cloud/charter/ch-cloud-charter-20110620.pdf>
- ❖ Under this charter, the WG is to address Cloud Printing in Phase 1, extending to Cloud Imaging in Phase 2.
- ❖ The Phase 1 effort is to produce three documents:
 - Cloud Imaging Model and Requirements
 - Cloud Print Internet Printing Protocol Binding
 - Cloud Print SOAP Binding

Overview (cont)

- ❖ This effort is taking longer than envisioned, with activity still on Use Cases, after the first draft milestone dates.
- ❖ Meanwhile, actual Cloud Printing implementations have proceeded. It is suggested that the WG should take the opportunity to encourage the use of PWG compatible semantics in the printer and printing specific aspects of what may become cloud printing implementations.
- ❖ Therefore, the Cloud Imaging WG is also considering:
 - Job Tickets and Printer Characterizations for Cloud Printing Services such as Google Cloud Print
 - Job Ticket Persistence and serializing/embedding Job Ticket information in document file
 - Methods of tracking document processing aspects requested in Job Ticket performed as print job proceeds from originator to final device.
- ❖ These considerations do require a WG Charter update.

Intended and Potential Publications



❖ Identified in Charter

- Cloud Imaging Requirements and Model (define the reference model, terminology, and requirements for Cloud Imaging)
- Cloud Print SOAP Binding
- Cloud Print Internet Printing Protocol Binding
- Cloud Multifunction SOAP Binding
- Cloud Multifunction Internet Printing Protocol Binding

❖ PWG Job Ticket to XPS and PPD Mapping Best Practices

- Contributors
 - Ron Nevo: Editor
 - Michael Sweet: PPD Mapping
 - Justin Hutchins: XPS elements
 - Peter Zehler, Ira McDonald: PWG Semantics

❖ Job Ticket/Job Data Bundling

- Binding job ticket, job receipt, and document data together
- Possible approach to use ISO OPC standard
(http://en.wikipedia.org/wiki/Open_Packaging_Convention)

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 15th, 2011 at 1 pm (ET)
 - Conferences on opposite weeks of IPP WG calls