Cloud Imaging WG Plenary Report

OCT 1st , 2012

Virtual Meeting

Officers & Editors

❖ Chair: Ron Nevo (Samsung)

❖ Vice Chair: Bill Wagner (TIC)

❖ Secretary: Michael Sweet (Apple)

❖ Original Document Editor Volunteers:

  ➢ Ira McDonald (High North):Job Ticket Mapping (JDF), Cloud Imaging Model and Requirements

  ➢ Larry Upthegrove: Cloud Printing Requirements and Model

  ➢ Peter Zehler (Xerox): Job Ticket Mapping(MSPS), Cloud Printing Requirements and Model

  ➢ Ron Nevo (Samsung): Job Ticket Mapping, Cloud Printing Requirements and Model

  ➢ Michael Sweet (Apple): JobTicket Mapping (PPD), Cloud Imaging Model and Requirements,

  ➢ Justin Hutchins (Microsoft): Job Ticket Mapping (MSPS)

Charter

❖ Cloud-based applications and solutions are increasingly common, and Cloud-based printing, scanning, and facsimile (collectively called "Cloud Imaging") are emerging in several different forms. Adopting standard protocols and schemas now will help interoperability, speed adoption, and address privacy and security issues involved in Cloud Imaging.

❖ A basic functional model including a Client, Cloud Print Provider, Cloud Print Manager, and Printer was developed at previous Cloud Printing BOF sessions. This model revealed several new requirements beyond the existing PWG Semantic Model including registration, enumeration/selection, use of late transforms to preserve fidelity, additional notification events, strict privacy and security policies, and reliable logging.

❖ The goal of the Cloud Imaging project is to develop the following new documents to support Cloud-based printing and multifunction imaging using the PWG Semantic Model:

  ➢ (a) Mapping of MSPS, PPD, and JDF to/from PWG Print Job Ticket and PWG Print Service (CLOUDMAPv1 - wd-cloudmap10-yyyymmdd) - define a PWG Candidate Standard document that includes a recommended mapping of PWG Print Job Ticket and PWG Print Service (capabilities and selected description and status elements) [PJT] to and from elements in the Microsoft Print Schema Specification [MSPS], Adobe Postscript Printer Description [PPD], and CIP4 Job Definition Format [JDF];

  ➢ (b) Cloud Printing Requirements and Model (CLOUDMODEL - wd-cloudmodel10-yyyymmdd) – defining the reference model, terminology, and requirements for Cloud Imaging.

  ➢ (c) Mapping of IPDS, MODCA and CIM to/from PWG Print Job Ticket and PWG Print Service

  ➢ (d) Cloud Imaging Requirements and Model, extending the reference model, terminology, and requirements established for Cloud Printing to Cloud Imaging.

Status

- ❖ Charter
  - ➢ Latest (April) draft of charter (ftp://ftp.pwg.org/pub/pwg/cloud/charter/wd-cloud-charter-20120428.pdf) approved by PWG Steering Committee on 30 August

- ❖ Mapping Specification
  - ➢ Will resume and complete V1 (MSPS, PPD and JDF mappings) so that Cloud Printing mechanisms can correlate to/migrate to PWG model.
    - • MSPS information from Justin must be mapped to PWG model
    - • Pending table updates to PPD Mapping must be completed
    - • Paul Tykodi indicates interest in this from the production printing environments

- ❖ Cloud Printing Model Specification
  - ➢ Primary current work effort
  - ➢ Document simplified by decisions that:
    - • Print Job Requesters interaction with Cloud server identical to that with standard print server
    - • Detailed design consideration of elements within the Cloud are out of scope
  - ➢ Print Job Request use cases were taken out

Next Steps

❖ **Cloud Imaging Model and Requirements Specifications**

  ➢ Continue with Cloud Printing Model and Requirements

    • Additional Contributors ?

  ➢ Transfer Model to IPP working group to do Binding

  ➢ Start Cloud Multifunction Model and Requirements

❖ **Support of Current Cloud Printing Approaches**

  ➢ Resume effort on CLOUDMAP V1- Mapping of PWG Semantic Model elements into PPD, MSPS and JDF formats

  ➢ Start on CLOUDMAP V2- Mapping of PWG Semantic Model elements into IPDS, MODCA and CIM formats

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 Oct 15, 2012 at 3 pm (ET)
  - ➢ Conferences on opposite weeks of IPP WG calls