



The Printer Working Group

**Cloud Imaging Model Working Group
Face-to-Face Meeting**

Oct 22th , 2013

Cupertino, CA (hosted by Ricoh)



Agenda

When	What
1:30 – 1:45	Introduction and Administrative 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-20130930.pdf
1:45 – 2:00	Status and Issues
2:00 – 3:00	Cloud Imaging Requirements and Model Review current draft ftp://ftp.pwg.org/pub/pwg/cloud/wd/wd-cloudimagingmodel10-20131012.docx
3:00 – 3:15	Break
3:15 – 4:45	Continue review the Requirements document
4:45 – 5:00	Next Steps



Introduction

- The intent of the Cloud Imaging Model Working Group is to develop a model for providing Imaging Services via a Cloud Imaging System in a way consistent with the PWG Semantic Model.
- Workgroup Projects have been:
 - Mapping of Imaging Service Capabilities and Job Ticket structures used in current Cloud Imaging Systems to and from the Service Description & Status elements and the Job Ticket elements in PWG Semantic Model. Project was transferred to the Semantic Model Working Group.
 - Cloud Printing Requirements and Model, defining the reference model, terminology, and requirements for Cloud Printing. This project was abandoned in favor of concentrating on the Imaging Services Model.
 - Cloud Imaging Requirements and Model, defining the reference model, terminology, and requirements for Cloud Imaging, including all of the job-oriented services defined in the PWG Semantic Model 2. Later, the Copy, EmailIn and EmailOut services were considered inappropriate to Cloud and were dropped. This is the current project of the Work Group.



Officers and Contributors

- Chair: Ron Nevo (Samsung)
- Vice Chair: Bill Wagner (TIC)
- Secretary: Michael Sweet (Apple)
- Document Editors
 - Bill Wagner (TIC): Editor
 - Ron Nevo (Samsung): Editor
- Contributors to Transferred or Discontinued Projects
 - Peter Zehler (Xerox): PWG Job Ticket (basis for Cross Mapping documents)
 - Michael Sweet (Apple): PPD Cross Mapping; Requirements and Model
 - Ira McDonald (High North): JDF Cross Mapping
 - Justin Hutchings (Microsoft): MSPS Cross Mapping
 - Larry Upthegrove: Cloud Printing Requirements and Model



Action Items

- Continue with section 4 of Model document
- Mike to update IPPSIX to include device-name/uuid as a potential operation attribute for Identify-Printer
- Ron to find a Samsung editor (PENDING)



Review of Requirements and Model

- Draft at:
 - <ftp://ftp.pwg.org/pub/pwg/cloud/wd/wd-cloudimagingmodel10-20131012.pdf>
- Response to Major 30 September Comments:
 - Cloud System and Services must be informed of both Device Description (R/W) and Status (RO) elements.
 - Current “Update” operations apparently suggest that only RO elements are included. Intent was that “Update” applies to anything that is changed, including Description elements.
 - Suggestion was to include “Set” operations. But Device Proxy to Cloud System/Service operation names must not conflict with Client to Service Operations names, since functions differ.
 - Draft redefines “Register” operations as communications identifying and conveying values of ALL elements of interest, RO, R/W, Dynamic and pseudostatic, Description and Status. “Update” operations convey value changes in Register-identified elements.



Review of Requirements and Model

- See [Resolution of September 30 comments.docx](ftp://ftp.pwg.org/pub/pwg/cloud/minutes/Resolution_of_September_30_comments.docx) under <ftp://ftp.pwg.org/pub/pwg/cloud/minutes/>
- Questions:
 - We have created Proxy to handle client-like operations from Device, but have assumed that Cloud Services will handle additional operations and will maintain independent communications between Clients and Proxies. Is this valid?
 - Previous models have maintained that clients communicate with Services, not Systems. So, for the most part, service and job oriented communications are with individual Imaging Services, while maintenance operations are with System Control Service.
 - Therefore, <service> term is removed from operations since messages are directed to the appropriate service.
 - Proxy messages about System (Device) are directed to Cloud System Control Service while Device Service and Job specific messages go to corresponding Cloud Service
 - Should we include Notification capabilities from Services?



Next Steps

- Additional Contributors ?
- How do we resolve concept differences between Model and IPP?
 - Find compromise
 - Provide for all approaches
 - Select one approach by consensus
 - Just follow IPP SIX
- Schedule:
 - Objective for next Face-to-face?
 - PWG Last Call of Cloud Imaging Requirements and Model – 1/2014
- Next Conference Call
 - Nov 18, 2013 at 3 pm (ET) (Normally date would be Nov 11, but this is holiday)



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 Nov 18, 2013 at 3 pm (ET)
 - Conferences on opposite weeks of IPP WG calls