The Printer Working Group

Cloud Imaging Model Working Group Face-to-Face Meeting

February 4, 2014

Irvine, California (hosted by Samsung)

Agenda

When	What

1:00 – 1:15	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-20140120.pdf

1:15 – 3:00	Cloud Imaging Requirements and Model Review Model, Operations and Transaction Sequences ftp://ftp.pwg.org/pub/pwg/cloud/wd/wd-cloudimagingmodel10-20140128.docx
3:00 – 3:15	Break
3:15 – 4:45	Page-Turn Review of Cloud Imaging Requirements and Model from Beginning
4:45 – 5:00	Next Steps

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

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.

- The current PWG Cloud Imaging Model contends that the operations interface between a User Client and a Cloud Imaging Service is no different than that between a User Client and any networked Imaging Service, with the exception of asynchronous notification capability (if any).

- However, Cloud Imaging Services often must interface with out-of-cloud end devices (e.g., printers, scanners) to which direct access is blocked by a firewall. The PWG Model identifies a Local Imaging System Proxy intermediate agent and defines a new set of operations from Proxy to Cloud Service.

Recent Changes to Model Specification

- Although the Registration of a Local Imaging System with a Cloud Imaging System, making selected capabilities of the Imaging Services in the local system accessible through the Cloud System Services, is retained, the concept of registering the individual local Imaging Services has been dropped.

- The querying of the Cloud Imaging System Control Service by the Local Imaging System Proxy for System notifications is replaced by Service Notification queries to each of the Cloud Services corresponding to a proxied Local Service.

- Names of some Operations and Actors have been changed to better reflect their function.

- To allow recovery of Job Status after communication loss or local equipment reset, the "UpdateFetchableJobs" (now called UpdateActiveJobs) operation by which the Proxy informs the Cloud Service of Jobs still active and their States, is supplemented by GetCloudTerminatedJobs, by which the Cloud Service informs the Proxy of Cancelled or Aborted Jobs.

Review of Requirements and Model

- Draft at:
  - ftp://ftp.pwg.org/pub/pwg/cloud/wd/wd-cloudimagingmodel10-20140128.pdf
- Detailed Review Sequence
  - Cloud System/Proxy Model: Sections 4.1.1, 4.1.2
  - Proxy Operations: Section 4.2.2
  - Transaction Sequences: Section 4.3
- Page Turn Review from beginning

Next Steps

- **Resolve Questions in Model Specification:**
  - Should this specification identify specific Cloud Service to Local Service (or Proxy) Notification capabilities?
  - Should Administrative Client to Cloud Service and Cloud System Management Operations corresponding to Standard Semantic Model Operations be included in this specification?
  - Should Cloud Imaging System and Service specific operations (e.g., necessary to prepare Cloud System for Local System registration) be included?
  - Should Administrative Proxy Operations be included in this specification?

- **SM3 WG Interface**
  - Request new Cloud-oriented Operations to be added to SM 3?
  - Request Cloud Services to be Modeled?

Next Steps

- Other Cloud Imaging Model WG Projects
  - Is consideration of other Cloud-related standards activities appropriate to this WG?
    - TCG activities
      http://www.trustedcomputinggroup.org/resources/tms_use_cases__bring_your_own_device_byod
    - Google Cloud Print Documents, Job Ticket and Capabilities mappings
  - Other extant Cloud Imaging Approaches
  - Any other projects that the workgroup should consider?

Cloud Imaging WG Participation

- We welcome participation from all interested parties
- Cloud Imaging Working Group Web page
  - http://www.pwg.org/cloud/index.html
- 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 Feb 17, 2014 at 3 pm (ET)
  - Conferences on opposite weeks of IPP WG calls