Cloud Imaging Model WG Minutes  
April 29, 2013

Meeting was called to order at approximately 3:00pm ET April 29, 2013.

Attendees

Nancy Chen
Daniel Manchala (Xerox)
Tim McCann (Konica Minolta)
Ron Nevo (Samsung)
Glen Petrie (Epson)
Michael Sweet (Apple)
Larry Upthegrove
William Wagner (TIC)
Rick Yardumian (Canon)

Agenda Items

1. IP Policy and Minute Taker  
   a. Policy accepted with Mike taking the minutes
2. Review previous minutes  
   b. Accepted as posted
3. Review updated charter:  
   b. Update copyright and file date  
   c. Objectives: Make sure all objectives are corrected to be "Cloud Imaging models" (no more print or multifunction)  
   d. Definition: Change CLOUDMFD to CLOUDIMAGING, Cloud Imaging Requirements and Model  
   e. Action: Bill to post correction as wd-cloud-charter-2013mmdd for approval by PWG steering committee
4. Review latest cloud model  
   b. Thoughts on Cloud Imaging Server that can handle multiple imaging services  
      - Not requiring a unified implementation, this is the definition of the general imaging model  
      - Mike: Important to point out that a Cloud Imaging Service may only support 1 type of imaging service or N types - implementation detail  
      - Mike: Also important to point out differences per function (print, scan, etc.)  
      - Q: Why Cloud Imaging Server instead of Service?  
         - Server sounds like hardware  
         - Imaging Service vs. Print Service - could be confusing  
         - Maybe Cloud Imaging Service Provider that provides different Services?  
            - Sounds too much like a cell phone provider  
         - A: Use Cloud Imaging Service when referring to high-level composite actor  
   c. Section 1: Introduction  
      - Line 162: "where at least some portion of the Imaging Service Job processing is performed by an entity within the Cloud"  
      - Line 178: "imaging interface" instead of "printing interface"  
      - Line 181: "the same interface can be used regardless of whether the Imaging Device is not network accessible to the Service"  
   d. Section 2.2:  
      - Cloud Imaging Manager: "the software component that implements the interface between the Imaging Device and one or more Cloud Imaging Services, including authentication or identification with the cloud-based environment, for all Semantic Model ...".  
      - Cloud Imaging Server -> Cloud Imaging Service  
      - Security concern about multiple imaging devices going to one or more Cloud Imaging
Services
- Maybe provide that in the security considerations - document that redirection can invalidate security configuration, etc. but that we don't get into the rights management space
- What about service availability?
  - Permanent change in availability should change what services are registered/advertised
  - Temporary change (offline device) should be reported as such
- What about definitions for common terms?
  - Leave them since this isn't a service document but standalone.
- Update Cloud Imaging definition to include a list of all SM services that are covered

e. Section 3.x:
- Change "Cloud Print" to "Cloud Imaging"
- "Cloud printing" -> "Cloud Imagings"
- "print device" -> "Imaging Device"
- "Print Service" -> "Imaging Service"

f. Global: Change "Cloud Imaging Server" to "Cloud Imaging Service"
g. Global: Change "Cloud Print" to "Cloud Imaging"
h. Section 3.2.1.2:
- Line 369: Change "process" to "action"
- Line 379: "supported by the Device and Cloud Imaging Service which the owner wishes to provide"
- Line 387: "information on Device's registered Service capabilities, ..."
- Need a way for the Cloud Imaging Manager to discover which services are registered
  - SM uses separate endpoints for each service
  - System Control Service lists service endpoints, types, names, etc.
  - Cloud Imaging Service probably needs to be a subset of the SM System Control Service - to list registered services - so that Clients and Managers can discover the endpoints, types, names, etc. of the Services that have been registered

i. Section 3.2.1.3:
- "End Device"? Need definition or just replace with "Imaging Device"
- "End Device" might be a virtual/non-physical destination, but why do we need to talk about it here?
  - Still cloud imaging, but probably in the out-of-scope section (only dealing with Cloud Imaging Manager -> Cloud Imaging Service interface)

j. Section 3.2.1.4:
- What about scan jobs initiated from the device that are stored in the cloud?
  - A valid use case for cloud but out-of-scope

k. Section 3.2.2:
- Line 441: Change "printed document" to something else?
- Will need to address hardcopy documents for FaxOut and EmailOut (input source but not a document URI in the document creation request)
  - Add FaxOut or EmailOut Hardcopy Document use case

l. Section 3.2.3:
- Lines 469-470: How do we provide a security token? Not supported by semantic model at this time, embedding in URI frowned upon
  - May way to punt on this, defer to IDS?
  - Definitely need security considerations, network accessibility is a major issue - Client URI may not be network accessible to Cloud Imaging Service, Cloud Imaging Manager, or Output Device

m. Section 3.2.4:
- Change title to "Use of Cloud Imaging Service for Local Output Devices"?
  - Remove "monitoring" from title, confusing
  - Everything going through cloud
- Re-form as a casual use case - perform a scan job on a local device initiated solely through the Cloud Imaging Service

n. Global: Check for "job" and "service/server" (should be "Job" and "Service")
o. Section 3.2.5:
- Line 504: Not creating a new job request, providing the document data in an alternate/supported format for the manager
- Need to clarify that the transform is intermediate processing (job goes from processing to processing-stopped, then back to processing when the manager fetches the transformed document data)

p. Add use cases for Scan, FaxIn, and EmailIn
q. Action: Bill and Larry to work together to post updated Cloud Imaging Requirements and Model prior to the face-to-face

Next Steps / Open Actions

• Joint IPP/Cloud conference call on May 6, 2013 at 3pm ET
• Cloud Imaging WG face-to-face session May 15, 2013 at 9am PT
• Continue discussion of Model document on the cloud mailing list
• Update charter to focus exclusively on full Cloud Imaging Requirements and Model (DONE)
• Action: Bill to post correction as wd-cloud-charter-2013mmdd for approval by PWG steering committee
• Action: Bill and Larry to work together to post updated Cloud Imaging Requirements and Model prior to the face-to-face
• Action: Bill and Ron to work together to post slides for Cloud Imaging WG session