Cloud Imaging Model WG Minutes
January 20, 2014

Meeting was called to order at approximately 3:00pm ET January 20, 2014.

Attendees

Daniel Manchala (Xerox)
Ira McDonald (High North)
Mike Sweet (Apple)
Paul Tykodi (TCS)
William Wagner (TIC)
Rick Yardumian (Canon)
Pete Zehler (Xerox)

Agenda Items

1. IP Policy and Minute Taker
   a. Policy accepted with Mike taking the minutes
2. Review of previous minutes:
   a. ftp://ftp.pwg.org/pub/pwg/cloud/minutes/cloud-concall-minutes-20140106.pdf
   b. Approved as posted
3. Review IPP/Cloud operation comparison (Bill)
   a. ftp://ftp.pwg.org/pub/pwg/cloud/white/IPP-Cloud%20%20Operation%20Comparisons.pdf
   b. Get-Jobs vs. GetFetchableJobs
      - Same, IPP Get-Jobs operation has a which-jobs attribute with value "fetchable".
   c. Reset-Fetchable-Jobs vs. SynchronizeJobStates
      - Alternate naming? Synchronize had previous connotations with mobile syncing
      - Update-Fetchable-Jobs?
   d. Set-Output-Device-Attributes vs. InitializeService
      - For IPP, rename to Update-Output-Device-Attributes
   e. GetTerminatedJobStates
      - Get a list of jobs in the aborted, canceled, or completed states (completed not normally possible but might show up after Update-Fetchable-Jobs)
      - For IPP, which-jobs="terminated"?
   f. Q: Can we simplify model by just having Update-Document-Status, Update-Job-Status, and Update-Output-Device-Attributes/UpdateServiceElements
      - Is there an advantage to that?
      - Originally thought we needed "big change" and "little change"

operations, maybe not
- A: Yes, let's do it
g. Q: What rules are in place for UpdateJobStatus and UpdateDocumentStatus (i.e. how much info and how often?)
- A: We should provide guidance, no rules at present (implementation choice)

4. Review updated Cloud Imaging Requirements and Model (Bill)
a. ftp://ftp.pwg.org/pub/pwg/cloud/wd/wd-cloudimagingmodel10-20140117.pdf
b. Did not get to this, Bill will update based on operation review

5. Review updated IPP Scan (Pete)
a. ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippscan10-201301230-rev.pdf
b. Line 202: "forvide" -> "provide"
c. Line 220 (Push Scan): "TO the specified ..."
d. Line 228 (Streaming Device): "aquired" -> "acquired", "those portions"
e. Section 3.2.1: Move away from "programs the scanning parameters" to "specifies the scanning intent", check others
f. Section 3.3: Make these a numbered list, "The following are out of scope for this specification"
g. Section 3.4 Design Requirements: Add boilerplate IPP requirements (Mike will send to Pete)
h. Section 4.1.1: How to know when to retry on Client vs. Printer/Scanner?
- job-state-reasons provides details of terminating state that tells client whether it needs to retry
- Follow spirit of IPP FaxOut
i. Section 4.1.6, line 386: Fix lowercase "hypertext" should be "HyperText"
j. Global: Update references to RFC2616 and friends (new updates from IETF)
k. Get-Next-Document-Images: update operation code to 0x004A
l. Table 3: Remove first-job-id
m. Table 4: Drop media attributes, print-quality, printer-resolution, page-ranges
n. Section 4.5.1: Add media, media-col, mention that media/media-col specify the "size" of the delivered document data (Letter, A4, etc.), used with imposition-template, etc.
o. Table 5: Move document-name-supplied and job-originating-user-name to Job Status Attributes table 6
p. Section 4.7: Fix reference to Table 6 (not Table 5)
q. Table 6:
- "Input-attr-actual" should be "input-attributes-actual"
- "job-impressions-completed SPACE (note 1)"
- Note 1: Impressions is equivalent to the number of output images in the file(s) delivered to the destination(s)
r. Add a few paragraphs on impressions (output images)
- Scanner that separates items scanned on a single "page" produces N images
- Scanner that does duplex scanning generates an image for each

side
- Note 1 in Table 6 can reference this material
s. Section 5:
- "Scan Services" -> "IPP Scan Services"
- "conforming to" (missing "to")
- "support generating" instead of just "support"
t. Section 6.1:
- Line 475: are we retrieving the entire document? Change to "to retrieve scanned document images"
- Document this is potentially long-running (like Send-Document) with chunking
- Need to define status code for "no more images"
- Client sends multiple Get-Next-Document-Images to get everything
- Lines 481-483: Remove SHOULD stuff - pull scan is always required
u. Global: Make sure we consistently say MUST support pull scan and SHOULD support push scan
v. Add discussion about ADF feeders that do not duplex
- Mike's suggestion: stay as far away from manual duplex as we can, just like Print :)
w. Stopped at 6.1.1

Next Steps / Open Actions

- Next joint IPP/Cloud conference call is January 27, 2013 at 3pm ET
- Action: Ron to find a Samsung editor (PENDING)