Cloud Imaging WG Minutes
October 1, 2012

Meeting was called to order at approximately 1:00pm ET on October 1, 2012.

Attendees

Nancy Chen (Oki Data)
Matthew Hansen (Toshiba)
Daniel Manchala (Xerox)
Tim McCann (Konica Minolta)
Ira McDonald (High North/Samsung)
Ron Nevo (Samsung)
Glen Petrie (Epson)
Michael Sweet (Apple)
Anil Thakkar (Thinxtream)
Jerry Thrasher (Lexmark)
Paul Tykodi (TCS)
Larry Upthegrove (End-user)
Bill 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 Cloud Print Requirements and Model
   a. ftp://ftp.pwg.org/pub/pwg/cloud/wd/wd-cloudmodel10-20121001.docx
   b. Convert 3.3.x subsections to a numbered list
   c. Sections 3.3.x: "cloud service" should be "Cloud Service", etc. - capitalize all defined terms
   d. Sections 3.3.x: Drop use of "must", "shall", and "should"
   e. Line 268 (3.3.14): Replace "in a secure manner" with "over a secure connection with data integrity and data confidentiality"
   f. Section 3.3.x: Support and describe a job ticket and document data retention policy, e.g., job document data is discarded immediately after processing, discarded after 1 day, saved indefinitely, etc.
      - Have most of this in the Semantic Model already - job save and proof print
      - No control over duration of save (typically indefinite) - may want to add job-save-duration element to IPP/SM
      - Some aspects of these requirements should be added to a list of "out of scope" items
   g. Section 3.3.x: Cloud Service -> Cloud Print Service
      - Define Cloud Print Service as a functional object/entity in the Cloud that has the semantics and manages data as a Cloud-based Print Service
      - Whether the Cloud Print Service is a separate entity/service/object is out-of-scope for this document
   h. ftp://ftp.pwg.org/pub/pwg/cloud/white/wd-cloudmodel print_design requirements20121001.docx
   i. Need to include:
      - Cloud Print Functional Requirements
         - Functional requirements for any Cloud Print end-to-end solution
      - Cloud Print Out of Scope
         - Requirements that are out-of-scope for this specification.

- - Cloud Print Design Requirements
    - - Requirements that are addressed by this specification.
  - j. Back to ftp://ftp.pwg.org/pub/pwg/cloud/wd/wd-cloudmodel10-20121001.docx
  - k. Figure 1: Make all lines between Cloud Print Manager and Cloud Print Service have arrows at both ends
  - l. 4.2.1:
    - - First line: "User Credentials, Job Ticket, Document Data/URI" (keep on one line)
    - - Printer/Job status comes from the Cloud Print Manager
    - - Add break between submission and interim status updates
    - - Cloud Print Manager is sending a request to get/list available jobs, then fetch job and fetch document
    - - What about CPM polling for jobs vs. CPS notifying the CPM that something is available
      - - How about something like Get Notifications where the get operation can be long-lived (no response until a job is ready)?
      - - Advantage is that we can make long-poll required and the CPS can determine when to give up (if at all)
    - - Add dotted box around Cloud Print Manager and Printer to show they can be co-resident
    - - Text/lines between Cloud Print Manager and Printer should be shaded or colored differently to show it is not something covered by the spec (with heading explaining "for illustration only, not part of the model")
  - m. Add 4.2.x for exception processing, configuration/capability updates
    - - Exception processing sends status
    - - Configuration/capability updates - something changed, here is what changed (send-notifications)
      - - Different ways: notify event, update configuration operation, set-printer-attributes
      - - Send-notification method has the advantage of being a common reporting operation for both job and printer status/config notifications
  - n. Section 6:
    - - Add reference to Network Unicode (RFC 5198) - see IPP Everywhere for the necessary text
    - - Action: Mike to add new section 6 text to specification template
  - o. Section 7:
    - - Add reference to MFD Common Model and Semantics
    - - Instead of Firewall Traversal, Clients and Cloud Print Manager initiate connections with the Cloud Print Service
    - - "does require status, ..." instead of "may require status, ..."
  - p. Action: Larry to post update of Cloud Print Requirements and Model
3. Mapping Document v1
  - a. Already have prototyping for PPD (CUPS) and MSPS (Windows)
  - b. Q: Sufficient level of prototyping?
    - - A: Would be nice to also have prototyping for JDF
    - - JDF->IPP gateways would be acceptable
      - - Members will check whether such things can be disclosed
  - c. Q: Can we have a prototype draft by Q1 2013?
    - - A: Reasonable by the end of March
4. Mapping Document v2
  - a. Q: Appropriate for Cloud WG?
    - - A: IPDS, MOD-CA, and CIM are not generally used for Cloud (although AFP is investigating Cloud for IPDS0
    - - Should move to Semantic Model (and probably for 1.0 as well)
  - b. Deferring further discussion to Semantic Model session
5. Cloud Imaging Requirements and Model

a. Q: Are additional contributors needed?
    - A: As long as the feedback is specific enough, Larry says he can continue as editor of the document
b. Q: Is the Q4 2012 PWG Last Call schedule realistic?
    - A: No
    - Make it a prototype draft milestone for Q2 2013
c. Action: Bill/Ron to update milestones in Cloud WG charter
d. Action: Ira to update milestones in IPP WG charter

Next Steps / Open Actions

- Next conference call October 15, 2012 at 3pm (ET)
- Action: Mike to add new section 6 text to specification template
- Action: Larry to post update of Cloud Print Requirements and Model
- Action: Bill/Ron to update milestones in Cloud WG charter
- Action: Ira to update milestones in IPP WG charter
- Action: Bill and Ron to prepare F2F slides (DONE)
- Action: Larry to update current model and post for F2F (DONE)
- Action: Joe to update definition of visible/visibility to cover AAA (PENDING - definition proposed but subject to rework)
- Action: Pete and others to work on MSPS information from Justin for mapping document.
- Action: Mike to update PPD Mapping (ONGOING - pending table updates)