

Cloud Imaging Model WG Minutes

August 14, 2014

Meeting was called to order at approximately 9am ET August 14, 2014.

Attendees

Danny Brennan (IBM)
Till Kampeter (Canonical/OpenPrinting)
Jeremy Leber (Lexmark - call in)
Shane Lin (Monotype)
Daniel Dressler
Daniel Manchala (Xerox - call in)
Ira McDonald (High North - call in)
Johannes Meixner (SuSE)
Joe Murdock (Sharp)
Ron Nevo (Samsung)
Mike Sweet (Apple)
Bill Wagner (TIC)
Rick Yardumian (Canon)
Pete Zehler (parc)

Agenda Items

1. IP Policy and Minute Taker
 - a. Policy accepted with Mike taking the minutes
2. Approve Previous Minutes
 - a. <http://ftp.pwg.org/pub/pwg/cloud/minutes/cloud-concall-minutes-20140721.pdf>
 - b. Approved as posted
3. Slides
 - a. <http://ftp.pwg.org/pub/pwg/cloud/slides/Cloud-WG-Meeting-August%202014.pdf>
 - b.
4. Requirements and Model
 - a. <http://ftp.pwg.org/pub/pwg/cloud/wd/wd-cloudimagingmodel10-20140813.pdf>
 - b. Abstract: reference by name: "IPP Shared Infrastructure Extensions (IPPINFRA)"
 - c. Global: Xform -> Transform (for clarity)
 - d. Section 1:
 - Line 235: "in different network domains" instead of "at different locations"
 - e. Section 2:
 - Add Protocol Role Terminology subsection:

- Client is Cloud Imaging Client
 - Service is Cloud Imaging Service
 - Proxy
- f. Section 2.2:
- Line 236: "which Users physically interact" (instead of interface)
- g. Section 3.4:
- Add "Defining the interface for association (enrollment) of a Client with a Cloud, Cloud Imaging System, or Cloud Imaging Service."
- h. Table 1:
- SendDocument and SendURI operations: LastDocument element should be required (it is required in IPP)
 - Check against MFD Model, fix in SM 3.0 as needed
- i. Table 2:
- Add DestinationAccesses for response to FetchJob (for IPP Scan addition)
 - Future note for SM 3.0: Remember to add DocumentAccess for FetchDocument (when we add that)
 - Add InputElements to FetchDocument response (DocumentData OR DocumentUri OR InputElements)
- j. Note for IPP specifications: include PWG considerations showing Semantic Model registrations (also noted in IPP meeting minutes)
- k. Note for SM schema maintenance:
- Include prototype or stable draft registrations in current development version of schema.
 - Allows prototyping and code generation, error checking/validation of schema.
 - Pending changes:
 - FaxOut needs to sync up with IPP FaxOut - InputSource deprecated, InputElements group added with same elements as CopyInput
 - Scan needs to sync up with IPP Scan - pull scan, DestinationAccesses, DestinationUris in CapabilitiesReady
 - Definition of Document Object:
 - Attached document data, document URI, or InputElements describing the location of the hardcopy document; the document state indicates whether the document images have been acquired.
- l. Section 4.2.2.4:
- Add InputElements for hardcopy documents
 - IPP FaxOut: Do we need an update?
 - Probably, add to IPP session
- m. Section 4.2.2.6:
- Line 1264: Double periods at end.
- n. Action: Mike to apply (and fix, as needed) current WD template to Cloud spec
- o. IDS: "Proxy owner" for Jobs and Documents?
- What about IPP attribute used to track backwards for fanout/faxin

- (RFC 3998?)
 - Stuff in there for upstream/downstream printers, and original-requesting-user-name, but nothing for tracking jobs
- p. Add new GetServiceNotification event for "service has gone away"
 - Section 4.2.2.10: New RegistrationTerminated: The Cloud Imaging Service has been terminated and will not be coming back. Give example (cloud admin removing cloud services for a problematic proxy)
- q. Figure 7 (Print):
 - What about document references?
 - Proxy specifies supported document URI schemes in UpdateServiceElements
 - If Proxy cannot dereference after FetchDocument, Acknowledge with error
 - Cloud Print Service clears "fetchable" state and tries to dereference URI.
 - If Cloud Print Service can dereference, sets "fetchable" state again and Proxy issues a new FetchDocument request to get the document data
 - If Cloud Print Service cannot dereference, sets appropriate errors and aborts document
- r. Figure 8 (Scan):
 - Shows that Proxy is always pull scanning, relaying to Cloud Scan Service which pushes to destinations or allows the Client to pull.
 - What to do about destination URIs?
 - Proxy specifies supported destination URI schemes in UpdateServiceElements
 - Proxy updates DestinationStatuses for document images that have been delivered and those that have failed
 - If Proxy does UploadJobDocumentData then Cloud Scan Service delivers to any destinations that are unsuccessful.
- s. Stopped at Figure 8

Next Steps / Open Actions

- Next Cloud conference call September 8, 2014 at 3pm ET.
- Action: Mike to apply (and fix, as needed) current WD template to Cloud spec