Cloud Imaging Model WG Minutes
October 22, 2013

Meeting was called to order at approximately 2:30pm PT October 22, 2013.

Attendees

Russell Brudnicki (Hyocera Document Solutions)
Gale Giansiracusa (Kyocera Document Solutions)
G. Gupta (Oki Data)
Dr. Ashlee Holbrook (Lexmark)
Smith Kennedy (HP)
Jeremy Leber (Lexmark - call in)
Daniel Manchala (Xerox - call in)
Tim McCann (Konica Minolta)
Ira McDonald (High North - call in)
Joe Murdock (Sharp)
Ron Nevo (Samsung - call in)
Roarke Randall (Toshiba)
Norbert Schade (Conexant Systems Inc.)
Tak Shiozacki (Epson)
Brian Smithson (Ricoh)
Jon Super (Conexant Systems Inc.)
Mike Sweet (Apple)
Paul Tykodi (TCS - call in)
William Wagner (TIC)
Rick Yardumian (Canon)
Pete Zehler (Xerox - call in)

Agenda Items

1. IP Policy and Minute Taker
   a. Policy accepted with Mike taking the minutes
2. Review of Cloud Imaging Requirements and Model
   b. 4.1.2.2: Add Deregister operation to remove any association with the Cloud Imaging System
   c. 4.2.1:
      - Identify duration- not in IPP, do we need it? No, remove duration
      - Nice to have a way to cancel
      - Add a note that the duration is implementation-defined, recommend non-indefinite
      - Add printer-state-reason keyword, “identifying-printer” or something like that
Global: SystemUUID -> SystemUUID

4.2.2.1: Rename to GetSystemNotifications
- Pending-Job -> JobFetchable
- Check-Job -> JobStateChanged, one or more elements containing a job UUID, etc.

4.2.2.7: Still working on a new name
- Push, Upload, etc.

Does registration cause creation of services?
- Not directly - could be provisioned but not instantiated
- Talk about this in the general section - Cloud Administrator creates Cloud Imaging System, might create or provision services, Cloud Imaging Proxy registration may instantiate services and return which services are to be used for each proxy.

Figure 5:
- Last update should be UpdateServiceElements
- Add gap for between CheckCloud and response, add a second CheckCloud immediately after response
- CheckCloud -> GetSystemNotifications
- Add red line for firewall

GetSystemNotifications - client can ask for long-running or immediate return, we can do TCP/IP keep alive, define a keep-alive event, etc.

Figure 6:
- Add squiggle between breaks in lines, or text explaining, or something

Figure 7:
- Add note that UpdateDocumentState may precede AcknowledgeDocument
- FetchJob -> “Job OBJECT is fetched w/o document data”
- Add Get*Elements request/response in middle client gap

In descriptions of operations
- FetchJob is the corollary of CreateJob
- FetchDocument is the corollary of SendDocument/SendUri/AddDocumentImages

4.3.4: Add a note that the client specifies the destination URI(s), when completed the scanned image(s) will be delivered to the destination(s)

Figure 8:
- Add Get*Elements request/response in middle client gap
- Swap UpdateDocumentState and PutJobDocumentData
- Add text before client gets completed that the cloud scan service delivers document images to destinations

Global: Rename PutJobDocumentData to PutDocumentImages

Figure 9:
- UpdateSystemState -> UpdateSystemElements
- Add UpdateServiceState after UpdateSystemElements
- Drop initial job stuff and state that a job is fetched and processing

4.3.5:
- Add to description which exceptions follow the same sequence
- Talk about early termination of FetchDocument/PutDocumentImages if the job is canceled/aborted
  
  r. Asynchronous notification
  - Not currently in SM
  - Define in-band Get[System]Notifications operation
  - Document that out-of-band mechanisms can also be used with the elements (i.e. XMPP)

**Next Steps / Open Actions**

- Next Cloud conference call is November 18, 2013 at 3pm ET
- Action: Ron to find a Samsung editor (PENDING)