Meeting was called to order at approximately 1:30pm PT August 7, 2013.

Attendees

Nancy Chen (call in)
Gyaneshwar Gupta (Oki Tokyo)
Justin Hutchings (Microsoft - call in)
Daniel Manchala (Xerox)
Matsutoshi MURATA (Oki Data)
Joe Murdock (Sharp)
Glen Petrie (Epson - call in)
David Sponable (Xerox)
Mike Sweet (Apple - call in)
Paul Tykodi (TCS - call in)
William Wagner (TIC)
Rick Yardumian (Canon)

Agenda Items

1. IP Policy and Minute Taker
   a. Policy accepted with Mike taking the minutes
2. Slides
   b. Q: Do we stop working on the abstract model and focus on IPPSIX?
      - A: No, other bindings (Web Services) important to membership
   c. Q: Independent Copy Service?
      - A: For now, yes.
   d. Q: What is registered?
      - A: Needs more discussion
   e. Q: Does GetSystemElements provide access to elements directly under Services, etc.?
      - A: Needs discussion in SM
   f. Q: Should Cloud Model operations follow Semantic Model or IPP?
      - A: Cloud operations will converge with IPP, and vice versa
   g. Q: Multitude of Security issues are deferred to IDS, is this a problem?
      - Mike doesn’t think so, define the general security requirements for cloud (already have the SM requirements), IDS can provide some details, bindings provide concrete implementation/details
   h. Q: Who can be primary editor of Cloud Imaging Requirements and Model?
      - Ron will look for other Samsung editors
      - Maybe some SM contributors?
      - Action: Ron to find a Samsung editor or someone from PrinterOn
i. Q: How to proceed?
- Paul suggests cooperation with SM 3.0 efforts
- Concerns about workload, delay
  - But do we need it out there fast, or get it right?
- What about breaking things into smaller milestones?
  - Print, Registration, Scan, etc.
  - Concerns about not addressing issues for multifunction
  - But by working on specific issues (rather than big picture issues) we can solve some of the big picture issues in parallel

j. Registration:
- Q: Registering services or devices?
  - A: Registering services; devices just come along for the ride
  - This allows registering all services or a subset as desired
  - Always a subset of devices (no control) to support creation and processing of jobs through cloud
- Update System Elements operation to obtain the Cloud Services corresponding to those services being registered by the Proxy
  - Equivalent of System Control Service’s List Services operation?
  - Potentially returns multiple services corresponding to a single requested service
    - Have concerns about letting the proxy choose which Cloud services are used, could be an issue if proxy selects a different service each time
  - Does registering create new cloud imaging services?
    - Not necessarily, implementation-defined for cloud, which can support multiple proxied services for each cloud imaging service
  - What about unregistering?
    - send empty list of services?
  - Change name? Register System Elements?
    - Conveys activity for Proxy (registering) rather than passive (updating)
- Q: What about ACLs?
  - A: Cloud-specific, out of scope but connected to authorization with Cloud Imaging Service
  - Proxy/local service may also apply ACLs (multiple layers)
  - Also things like release printing might incorporate hybrid layers (can a user release jobs here based on local policy, plus cloud policy as to whether release is supported)
- Write up Register System Elements operation
- Do sequence diagram for registration
- Other operations?
  - Set Output Device Elements, Get Output Device Elements (from IPPSIX)

k. What sequences?
- Registration
- “Cold boot” of proxy (updating, resetting fetchable jobs, etc.) / Proxy Communication Failure
- Print Attached Document
- Scan
- Maybe Copy (but no documents?)
  - Why for cloud? Because you need to authenticate or don’t have a copy interface on the printer itself
  - Also a proxy for separate single-function scanners and printers
  - Q: Do we need to show this?
    - A: No, drop this and the use case
- Transform
  - Make sure use case mentions external transform services registering with Cloud Imaging System to provide additional transforms for all services
  - Show input and output of document data
- Drop:
  - FaxOut from Hardcopy (not all that different from Print Attached Document)
  - Print by Reference (...)
  - Paper Out Exception
  - Scanner Failure
  - Document Data Access Failure
- Device Exception (like paper out)
- Processing Exception (like document access failure)
- Client Cancel
- Downstream Abort or Cancel
- Action: Mike to prepare sequence diagrams for Cloud

I. What about Cloud Imaging System advertising availability for Proxy to connect and register?
  - How does the owner to know where to point the proxy?
  - More of a binding question, IPP might support auto-registration via DNS-SD, others might provide hostname to a standard

m. Q: Proxy owner and device owner the same?
  - A: That’s our assumption

n. Operations:
  - Get/SetDeviceElements operations? IdentifyPrinter/Device?
    - To be discussed in Semantic Model
  - AcknowledgedIdentifyPrinter/Device
    - Based on discussions about IdentifyPrinter/Device
  - Notification operations from IPP
    - Not in SM yet
    - IPPSIX uses Create-Printer-Subscriptions, Create-Job-Subscriptions, Get-Notifications, Cancel-Subscription, etc.
    - UpdateSystemElements -> RegisterSystemElements

3. Next steps
a. Q: Do we continue?
   - A: Yes
b. Q: Additional contributors?
   - A: Bill can continue to edit, need more people involved
c. Q: Objectives?
   - A: Come up with some incremental milestones
   - For October meeting: finish definition of Registration
d. Q: Schedule?
   - A: As quickly as we can do it right
   - Current solutions are still not mature, will (eventually) benefit from standardization
e. Q: What about Google?
   - A: Slightly different from SM, would be useful to define an official mapping since many members already have to interface with GCP

Next Steps / Open Actions

• Next Cloud conference call on August 26, 2013 at 3pm ET
• Finish definition of Registration
• Determine followup milestones
• Action: Mike to prepare sequence diagrams for Cloud
• Action: Ron to find a Samsung editor or someone from PrinterOn
• Action: Mike to send CopyInput ticket slides to Daniel for SM meeting in the morning (DONE)
• Action: Mike to confirm scope of trademark registrations and get the new logos registered (DONE)
• Action: Bill to update section 4 according to the diagram changes (ONGOING)
• Action: Bill and Larry to work together to post an updated Cloud Imaging Requirements and Model document based on this meeting comments.