Cloud Imaging Model WG Minutes
March 24, 2014

Meeting was called to order at approximately 3:00pm ET March 24, 2014.

Attendees

Daniel Manchala (Xerox)
Tim McCann (Konica Minolta)
Ron Nevo (Samsung)
Mike Sweet (Apple)
Paul Tykodi (TCS)
Bill Wagner (TIC)
Rick Yardumian (Canon)

Agenda Items

1. IP Policy and Minute Taker
   a. Policy accepted with Mike taking the minutes
2. Review last minutes
   a. http://ftp.pwg.org/pub/pwg/cloud/minutes/cloud-concall-minutes-20140224.pdf
   b. Accepted as posted
3. Consider IPP SIX Cloud Model comparison
   a. http://ftp.pwg.org/pub/pwg/cloud/white/Cloud-IPPSIX_Compare_20140321.docx
   b. IPP Activate/Deactivate/Disable/Enable-Printer operations should be MUST NOT for Proxy
   c. IPP Get-Output-Device-Attributes is there for per-device accounting/metrics; allowed for the proxy mainly for symmetry (why now allow get if we are allowing set?)
   d. Name of element for local service UUID?
   e. Client operation equivalent to IPP Get-Output-Device-Attributes?
      - GetProxiedSystemElements, GetProxiedServiceElements as admin operations?
   f. What about fetch-status-code and fetch-status-message?
      - Was originally part of Pete's definition, serves as way for Proxy to relay Create/Send response status from local service
      - Still need to verify these are needed after prototyping
   g. What about Compression and Document Format?
      - Need Compression/DocumentFormatAccepted as an ordered list
      - (Compression/DocumentFormatSupported are unordered)
   h. What about GetDocuments?
      - Useful for document scheduling on high-end systems

      i.   What about GetDocumentElements?
- Mike to check whether GetDocuments is sufficient

      j.   Update-Document-Status includes response attributes from Update-Active-Jobs

      k.   UpdateJobStatus:
- JobStatusElements instead of JobDescriptionElements?
- JobState?

      l.

4. Review updated Draft
   a. http://ftp.pwg.org/pub/pwg/cloud/wd/wd-cloudimagingmodel10-20140305.pdf
   b. Although (we hope) that this document is nearing prototype status, there are several question that have arisen, or that I have, that should be addressed.
   c. 1. There is a requirement that the Cloud Imaging System maintain a log in the format of the PWG Common Log Format.
      - a. Does the Cloud System retain the log or do the individual Cloud Services?
         - Implementation-defined
      - b. Are the job events and parameters in the PWG Common Log Format Spec sufficient for a Cloud Service/System?
         - ProxiedServiceUUID? Mike will check the log spec
   d. 2. It was requested that DocumentFormatAccepted and CompressionAccepted be added as optional elements to the FetchDocument operation. The terms are derived from IPP and do not appear in the Semantic Model. It is understood that these are "preferred" values, not supported values.
      - a. Should "preferred" values be added to the Semantic Model?
      - b. The model requires that the Proxy communicate the significant elements and values of a local service (Accessible Element Set) to the corresponding Cloud Service and update them as necessary. Therefore preferred as well as supported values would be known to the Cloud Service. Why should they be included in specific FetchDocument requests?
      - c. Or do we have a misunderstanding or disagreement with respect to communicating the Accessible Element Set of Local Service capabilities and description elements to the Cloud Service?
      - Resolved (see above)
   e. 3. The Model description should refer to elements in the Semantic Model, not IPP.
      - a. Should the Cloud Model explicitly identify Semantic Model elements to be included in Operations Requests and Responses? This may require defining new elements for inclusion in SM3.
         - Yes
      - b. Is it necessary/desirable to ensure inclusion of elements corresponding to all IPP SIX attributes in IPP versions of the operations? (not include a mapping in the document, but certainly

generating one in a worksheet)
- Should try to have everything map over

f.   4. It was requested that the GetJobElements operation be added to the Proxy/Cloud interface, presumably to allow the Proxy to maintain a Job Log. Although the intent of this operation is that same as for the GetJobElements operation in the Client-Cloud interface, the access policy restrictions are different. Specifically, for the Proxy interface, the Cloud Service must deny access if the requested job is not one that that Cloud Service has provided to the identified Local Service.
- a. Are there other potential access restrictions as well for the Proxy version?
  - What about authentication? Would really want authentication of the entity sending the request, not just that you have a valid account
- b. Should the Proxy interface version of this operation have a different name, so that defining the access and potential error response information, which is different for the proxy version, does not overly complicate the description of the operation?
  - GetJobElements/GetJobs do not limit access by Proxied service
  - Semantic Model typically defined new operations while IPP defines new policy based on required attributes (GetXxxJobs in SM, Get-Jobs + which-jobs in IPP)
  - Add GetProxyJobs, GetProxyJobElements for Cloud Imaging Model

Next Steps / Open Actions

- Next Cloud conference call is April 7, 2013 at 3pm ET
- Action: Ron to find a Samsung editor (PENDING)