Cloud Imaging WG Face-to-Face Minutes  
May 25, 2011

Meeting was called to order at approximately 9:00am (EST) May 25, 2011.

Attendees

Nancy Chen (Oki Data - call in)
Justin Hutchins (Microsoft)
Adrian Lannin (Microsoft)
Ira McDonald (High North/Samsung - call in)
Joe Murdock (Sharp)
Ron Nevo (Samsung - call in)
Glen Petrie (Epson - call in)
Amir Shahindoust (Toshiba - call in)
Ole Skov (MPI Tech - call in)
Michael St. Laurent (PrinterOn)
Michael Sweet (Apple)
Jerry Thrasher (Lexmark)
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. Use Cases
   a. Mobile Phone User Prints to IPP Everywhere Printer
      - Cloud and IPP Everywhere
      - External transform service
      - Access through cellular network
      - Are printer and transform service in same security domain?
   b. Student Printing Homework at Friends House
      - Cloud, IPP Everywhere, IDS
      - Administration/authorization of temporary authenticated guest user role
      - Q: How is this different than printing from a hotel/Starbucks/etc?
        - A: Paid print scenario, this is good for ad-hoc temporary access, the other can be used for the paid print scenario
   c. User of standard application wants to print checks at offsite location
      - Cloud, IPP Everywhere (JPS3), IDS
      - Two scenarios:
        - Accountant has application on laptop
        - Accountant has application in cloud
      - PIN printing/hold and release
      - Encryption of document data in transit and at rest
      - Secure overwrite/erasure of data
        - For JPS3: New document password, handling, negotiation of security, no retain
        - For JPS3: policy for data in transit, at rest, during processing, and after processing
        - Also applies to job ticket, doesn't make sense to only protect job ticket
        - Only process job once - no retry, reprint?
        - What about MICR?
        - Variable data printing normally puts the MICR data in the document data, so that is covered by the document protection policy
   d. User wants to print specially formatted text on printer at resort site
      - Cloud and IPP Everywhere
      - Registration of content is important
      - Validate scenario, requires client knowledge of printer's margins, sizes, types, duplex, etc.
   e. Doctor in off hours sends a prescription to a drug store for a patient
      - HIPPA/FISMA/etc. out of scope for Cloud? Maybe, but useful to have a use case.
Check printing already covers security aspect
- Re-cast as selection of printer using location and media type/capabilities
- Cloud and IPP Everywhere
- Performance issue: how to efficiently do selection/serialization/discovery of printers with specific capabilities and locations
- Make separate proximity scenario
- Scenario for on hold for media (applies to forms and photos)
- Scenario for media path/media orientation for things like envelopes
  - JPS3: Need landscape orientation for envelopes, etc. (media-orientation member attribute?)
- Scenario for color management
f. Digital camera user sends photo prints to a third party using a geographically located IPP Everywhere printer through a Cloud Provider
- Cloud and IPP Everywhere
- Selection by geolocation, capabilities, paid print
- Mobile device user (not digital camera user)
- Regulatory issues for paid print:
  - May require final cost up-front
  - Maybe add text description attribute to supplement URI ("printer-charge-info text (MAX)"
- Can’t filter on price, just paid vs. free
- Use preflight job to compute job cost?
  - But may need to charge for preflight...
  - Would need job description attributes for cost (value and currency)
  - Not appropriate for the model since cost information is generally managed outside the printer - printer just provides metrics
  - Also no use case for it - never bill by querying cost from printer, just metrics
- Can we color the charge info text based on selection attributes
  - e.g. color, media, page count, etc.
- Authentication/account information may also color charge info
- Time of day may also color charge info
- Add use case/scenario for accounting - need detailed metrics in job object
  - coverage, color/grayscale, pages/impressions, sizes, finishings
  - 1setOf collection representation
  - See Counter spec

Next Steps / Open Actions

- Next conference call June 6, 2011 at 9:00am (EST)
- Continue with use cases and design requirements
- Start building the model and semantics document.
- Action: Mike to update F2F meeting page with new schedule (DONE)
- Action: Mike to post final cloud slides (DONE)
- Action: Mike to maintain a word document containing all use cases - post as PWG whitepaper (DONE)