

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/enumeration/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)