Cloud Imaging WG Face-to-Face Call Minutes
April 5, 2011

Meeting was called to order at approximately 9:00pm (PST) April 5, 2011.

Attendees

Nancy Chen (Oki Data)
Jochen Faas (EFI)
Paolo Ferraris (Google)
Justin Hutchings (Microsoft)
Haisong Gu (Konica Minolta)
Till Kamppeter (The Linux Foundation)
Makoto "Mac" Matsuda (Brother - call in)
David May (EFI)
Tim McCann (Konica Minolta)
Ira McDonald (High North/Samsung)
Peter Michalek (Shinesoft)
Andrew Mitchell (HP)
Joe Murdock (Sharp)
Ron Nevo (Samsung)
Glen Petrie (Epson)
Sanjeev Radhakrishnan (Google)
Krithika Santhanam (EFI)
Amir Shahindoust (Toshiba)
Craig Shifman (Konica Minolta)
Ole Skov (MPI Tech - call in)
Brian Smithson (Ricoh - call in)
Michael Sweet (Apple)
Jerry Thrasher (Lexmark)
Paul Tykodi (TCS - call in)
Peter Ultved (MPI Tech - call in)
Henning Volkmer (CEO, ThinPrint/Cortado)
Bill Wagner (TIC)
Lida Wang (Kyocera)
Rick Yardumian (Canon)
Pete Zehler (Xerox)

Agenda Items

1. IP Policy and Minute Taker
    a. Policy accepted with Mike taking the minutes
2. Review Cloud minutes from last concall
    a. ftp://ftp.pwg.org/pub/pwg/cloud/minutes/cloud-concall-minutes-20110321.pdf
    b. Accepted by default
3. Status
    a. Call for votes on charter
    b. Action: Mike to post voting reminder to pwg-announce
    c. Billing: support information to allow for billing, not defining a billing mechanism
4. Design Requirements
    a. ftp://ftp.pwg.org/pub/pwg/cloud/wd/wd-cloud-
    b. Have we missed anything?
    c. Q: Several service models - where does this fit in? Infrastructure service, not software-as-a-service.
    d. Include "infrastructure service" in model, reference NIST definitions in model and requirements
    e. Not the traditional cloud structure since printers are not necessarily stuck in a data center, but rather spread out geographically and by owner.
5. Generic PDL Driver WRT Cloud Printing
    a. Clarification: discussions for model and requirements document (design requirements for generic driver)
    b. PDL covers both client to provider and provider to manager

      c. Late transform and registrations address how to support printers with low resources
      d. Clarification: even for local printing, printing from web applications would require cloud service to get job back to the local printer

6. Model and Requirements Outline
    a. Use cases
       - Minimal client relies on cloud to transform document to PDL
       - Web application printing through the cloud
       - Minimal client relies on cloud to generate data?
       -
    b. Define Imaging Transform Service
       - For all MFD services
       - File format to file format
       - File format to PDL
       - Imposition, scaling, colorspace, image processing (red eye removal), and other document conversions (anything not tied to a device/physical feature)
    c. Accounting, rules management, access control, etc. are handled by MFD and IDS
    d. Concerns about making Imaging Manager->Imaging Device interface Out of Scope
       - Not being addressed by Cloud Imaging
       - Being addressed by IPP Everywhere
    e. Should we do end-to-end use cases spanning multiple working groups?
       - Yes, call out all of the steps, provide references to the use cases/design requirements in the other specs
    f. Mobile phone printing photo
       - Mike buys a printer, plugs it in, sets it up on his home wireless network, registers it with a cloud provider
       - Mike also has a camera phone that is also registered with the cloud provider
       - Mike takes a picture of his son on his phone
       - Mike initiate a print from the phone, selecting the printer, paper size, and red eye removal. The picture is transferred to the cloud provider and transformed, removing any red eye, and send to the printer.
       - Add paper out scenario
       - Add printer-initiated print job where we pull from phone
       - Job completion notification/status monitoring
    g. Why IPP Everywhere vs. Cloud?
       - Cloud for traversing multiple networks, firewalls, tec.
       - IPP Everywhere for direct printing

7. Next Steps
    a. Action: Mike Sweet, Peter Zehler, Craig Shifman, David May, Glen Petrie to post use cases to cloud mailing list

Next Steps / Open Actions

- Next conference call April 25, 2011 at 1:00pm (EST)
- Action: Mike to post voting reminder to pwg-announce
- Action: Mike Sweet, Peter Zehler, Craig Shifman, David May, Glen Petrie to post use cases to cloud mailing list
- Action: Mike to post updated draft for PWG Formal Vote (DONE)
- Action: Mike to start formal vote (votes to Andrew, Ron, Mike, and Paul) (DONE)
- Action: Andrew to post draft Cloud Imaging slides for F2F for review at IPP concall next week (DONE)