



The Printer Working Group

Cloud Imaging Model Workgroup Status

August 12, 2014

PWG F2F Plenary Meeting

Toronto, Ontario, Canada



Introduction

- The intent of the Cloud Imaging Model Working Group is to develop a model for providing Imaging Services via a Cloud Imaging System in a way consistent with the PWG Semantic Model.
- The current PWG Cloud Imaging Model contends that the operations interface between a User Client and a Cloud Imaging Service is no different than that between a User Client and any networked Imaging Service, with the exception of asynchronous notification capability (if any).
- However, Cloud Imaging Services often must interface with out-of-cloud end devices (e.g., printers, scanners) to which direct access is blocked by a firewall. The PWG Model identifies a Local Imaging System Proxy intermediate agent and defines a new set of operations from Proxy to Cloud Service.



Officers and Contributors

- Chair: Ron Nevo (Samsung)
- Vice Chair: Bill Wagner (TIC)
- Secretary: Michael Sweet (Apple)
- Document Editors
 - Bill Wagner (TIC): Editor
 - Ron Nevo (Samsung): Editor



Status of Requirements and Model

- Draft at:
- <ftp://ftp.pwg.org/pub/pwg/cloud/wd/wd-cloudimagingmodel10-20140730.pdf>
- Schedule
 - Current Draft should be at a Prototype Draft level by October 2014
 - PWG Last Call requires previous notice of prototyping of the model binding by either the IPP or SM WG. Advance to Stable level and the Last Call milestone is dependent upon prototype notice for binding.
 - The WGs have attempted to co-ordinate the Model design and IPP SIX.
 - It is anticipated that IPP SIX interoperability testing and specification Last Call will be completed by Q4 2014, and that the Cloud Imaging Requirements and Model Specification may then be advanced to stable state, submitted to WG and then PWG Last Call, and then voted on.
- Next Steps
 - When the Cloud Model specification is approved, the Cloud Model information will be transferred to the Semantic Model WG for inclusion into SM3.
 - The Cloud Imaging Model Workgroup Charter identifies no project beyond this Requirements and Model specification.



Possible Cloud Imaging Projects

- Cloud Imaging WG Charter includes just Model Spec.
- Should Cloud WG take on other Projects?
 - Is consideration of other Cloud-related standards activities appropriate to this WG?
 - TCG: Trusted Multitenant Infrastructure WG for Security Issues
 - IDS: Interact with PWG IDS WG on Cloud Imaging Security
 - IPP-SIX : Potential extensions prompted by IPP SIX prototype and implementation experiences
 - Google Cloud Print Documents, Job Ticket and Capabilities mappings
 - Other extant Cloud Imaging Approaches
 - Cloud-based storage of documents including Cloud based repository as for for Scan Service or location independent accessibility.
 - Any other projects that the workgroup should consider?



Cloud Imaging WG Participation

- We welcome participation from all interested parties
- Cloud Imaging Working Group Web page
 - <http://www.pwg.org/cloud/index.html>
- Subscribe to the Cloud mailing list
 - <https://www.pwg.org/mailman/listinfo/cloud>
 - cloud@pwg.org
- Cloud Imaging WG holds bi-weekly phone conferences announced on the Cloud mailing list
 - Next conference call is September 8, 2014 at 3 pm EDT
 - Conference Calls on same weeks as SM3 conference calls.
 - Conferences on opposite weeks of IPP WG calls