

PWG Plenary Status Report WIMS/CIM Working Group

**Printer Working Group
Face-to-Face Meeting
April 28, 2009
Mt. Laurel NJ**

Purpose of the effort



- **The WIMS working group is concerned with:**
 - Supporting the remote management of Hardcopy Imaging devices by the definition of new and the recasting of previously-defined imaging device and service management elements for mapping into standard management semantics and protocols, including but not limited to SNMP, CIM, and Web Services Management
 - Continuing update and extension of the DMTF/CIM classes concerned with Imaging Devices and Services.
 - Continuing support and update of the printer-related PWG and IETF published MIB documents
 - Continuing support and update of the specifications produced by the former PWG MIB Working Group (PMP) and by the PWG Web-based Imaging Management Services (WIMS) Working Group.

Work Items for the WG



• **What We're Doing**

- Supporting the existing IETF and PWG Printer and related MIB documents, including the potential advancement, extension and expansion of these specifications.
- Advancing a basic public management elements structure for Hardcopy Services and Devices that draws upon existing structures and that utilizes a set of management elements that is consistent over the various management protocols and methods.
- Update, Create and Prototype DMTF/CIM Imaging MOFs, with the objective of ensuring Hardcopy Device and Service management via a Web Services approach that is consistent with the basic public management elements structure

• **What We're NOT Doing**

- We are not addressing the delivery of Hardcopy services.
- We are not specifically concerned with security issues related to Hardcopy Devices or Services, although management must recognize and accommodate the requirements and constraints demanded by security.
- We are not defining a management service or protocol.

Current Activities



- Rick Landau is wrapping up a Proxy CIM Provider prototype implementation. Code implementing the CIM to MIB to CIM translation will be available by May. Summary results of CIM interaction derived from MIB dumps is in <ftp://ftp.pwg.org/pub/pwg/wims/cim/proto-testlogs-allfiles-20090406.zip>.
- Ira is working on the update of the Print Service Schema, based on IPP 2.0 semantics and following the considerations of the IPPV2 WG.
- WIMs is investigating the possibility of starting a Imaging Power Management Project.

Potential MIB Activities



- **Printer Port Monitor MIB**
 - update spec
 - interoperability testing ?
 - advance PPM to PWG standard ?
- **Identify Printer MIB Problems**
 - Rick, in doing CIM Proxy, has see some recurrent implementation problems. MIB will be basis for future WS management. Therefore, MIB problems will delay development and/or restrict effectiveness of WS Imaging Management utilities.
 - Users and Fleet Management Agencies both need to understand some of MIB implementation variations, and should have some place to voice the questions.
- **MDF MIB or MIB extensions?**
 - Many attempts, of varying completeness, started in the past, especially MFP Alerts.
 - MFD group is addressing service semantics; need to address management elements

Next Steps



- **Proceed with the CIM effort to Print Service.**
- **Possible initiation of Hardcopy Imaging Device Power Management project.**
- **Attempt at increased contact with user community understand needs and identify real use cases through liaison with fledgling Managed Print Services Association and other user/manager organizations.**

More Info/How to participate



- **We welcome more participation from member companies and input from user community**
- **The group maintains a Web Page and separate WIKI pages for WIMS and for CIM update**

<http://www.pwg.org/wims/index.html>

<http://pwg-wiki.wikispaces.com/WIMS>

<http://pwg-wiki.wikispaces.com/WIMS-CIM>

- **Subscribe to the WIMS mailing list by sending an e-mail to majordomo@pwg.org with a blank subject line and a message:**

subscribe WIMS

- **WIMS holds periodic phone conferences. Dates, call numbers and agenda on PWG Google Calendar.**

<http://www.google.com/calendar/embed?src=istopwg%40gmail.com>