Workgroup for Imaging Management Solutions

Workgroup Session

Printer Working Group
Face-to-Face Meeting

June 24,2009
Webster, NY

Intellectual Properties Policy Statement

This meeting is being held in accord with the PWG Intellectual Properties Policy.

WIMS Agenda

- 9:00 – 9:15   Startup and Introduction
  - ➤   Give Intellectual Property Statement
  - ➤   Identify Minute Taker
  - ➤   Introduce Participants
- 9:15 Consider Agenda
- 9:20 Proxy CIM Provider –Conclusion
- 9:30 Update on Other CIM Class efforts
- 9:35 Imaging Power Management Project
- 9:55 – 10:00   Futures Discussion & Wrap-up

Current Activities-Proxy Provider

- Rick Landau has completed the Printer Proxy CIM Provider code and has posted the code and documentation package on:
  - ftp://ftp.pwg.org/pub/pwg/wims/cim/DellPrinterProviderProxyPrototype_README.txt
  - ftp://ftp.pwg.org/pub/pwg/wims/cim/DellPrinterProviderProxyPrototype_v10.zip
- This program is donated by Dell, Inc., to the Printer Working Group, and through PWG to the open source community, in the hope that it will be useful. The program is provided under the terms of the license stated in the README file and all of the original contributed files. Some additional files included are copyrighted by DMTF and IETF, and are redistributed as permitted by those parties.

Current Activities-Proxy Provider

- The zip archive contains 92 files:
  - - Documentation in MS-Word format;
  - - Python source code of the translator;
  - - Shell scripts (for CygWin bash) to run various tests;
  - - Text output of tests of the translation for all CIM classes across all sample printers;
  - - Plaintext .ini files to generate runtime tables for the translation;
  - - Sample MIB dumps from a variety of network printers;
  - - Plaintext RFCs that define a network printer's management information;
  - - DMTF MOFs that define the CIM model of a Printer device;
  - - PDF Visio diagram of the CIM Printer model;
  - - Makefile to collect the files included in the kit.

Current Activities-Proxy Provider

- Rick is interested in feedback on user's experiences with the package
  - problems in running the package or bugs in the code
  - difficulty following the code or making customizations.
- It is hoped that any modifications or additions made to the code to improve usability or functionality will also be made publically available.
- Rick will attend the August Face-to-face and is prepared to provide a full presentation of the Proxy Provider functionality and code package.

CIM Effort

- CIM Print Services
- Cleanup of remaining Printer Issues
  - five or six minor problems in the CIM classes, discovered in Proxy Provider Prototyping, largely incorrect or incomplete semantics for some properties.
  - Relabeling elements moved to print services as deprecated
- Printer Profile Effort

Imaging Power Management Project

- We are proceeding with Power Management elements as a project within WIMS
  - Ira has volunteered to be Technical Head
  - He has generated a Project Charter
  - Bill has agreed to assist in editing
  - The project needs more contributors… Volunteers?
  - When the charter is accepted, I plan to contact survey participants for comments and input.
- The project:
  - must deal with real use cases,
  - must address the major power management issues in a simple straightforward way while having provision for proprietary expansion,
  - must not be specific to one binding.

Imaging Power Management Project

- Although the immediate interest may be a MIB, the purpose of the project must be to define elements in an abstract way that is compatible with all of the likely management mechanisms.

- The abstract spec must be validated by prototyping an appropriate binding (a MIB in this case) before the abstract spec is submitted for advancement to Candidate Standard.

Imaging Power Management Project

- The following classes of elements have been identified:
  - Power State Monitoring (e.g., reading power state)
  - Power Operations (e.g., for changing power state)
  - Power Policy (e.g., scheduled or operationally determined changes in power state)
  - Power Capabilities (e.g., valid state transitions and nominal transition durations)
  - Power History (e.g., log of state transition and timestamps)
- Consideration of Charter

Futures Discussion
Possible Projects

- CIM Printer Profile Effort

- Printer Port Monitor MIB Advancement

- Identify Printer MIB Problems

- Resume work on MFD Alerts Document

- MFD MIB or MIB extensions

Wrapup

- Summary of Conclusions
- Schedule Estimates
- Action Items

Thanks for your participation!