

PWG WIMS CIM Alignment

Irvine Face-to-Face Minutes

December 4, 2008

Attendees

Amir Shahindoust	Toshiba
Bill Wagner	TIC
Dave Whitehead	Lexmark
Dinesh Srirangpatna	Samsung
Glen Petrie	Epson - phone
Grant Gilmore	360 Software
Ira McDonald	High North
Jerry Thrasher	Lexmark
Lee Farrell	Canon
Nancy Chen	Okidata
Pete Zehler	Xerox - phone
Rick Landau	Dell -phone
Shah Bhatti	Samsung

Introduction

- ❖ Meeting was convened at about 1:00PM PST.
- ❖ It was noted that the meeting is conducted under the PWG Membership and Intellectual Property rules. There were no objections.
- ❖ The proposed meeting agenda was presented, with no objections.
- ❖ Lee Farrell agreed to supply notes for minutes
- ❖ Minutes of the last face to face WIMS meeting and the last WIMS conference call were accepted.
 - <ftp://ftp.pwg.org/pub/pwg/wims/minutes/08OCT-Lexington-WIMS-CIM-face-to-face.pdf>
 - ftp://ftp.pwg.org/pub/pwg/wims/minutes/cim_08111

Dell CIM Provider Prototype Presentation

- ❖ Rick Landau is continuing development of the Proxy CIM Provider prototype implementation. The primary purposes of this prototype are to:
 - Validate the updated Printer CIM Schema
 - Provide one implementation of the CIM Schema to help advance the newly defined elements from the experimental state
- ❖ Rick provided a detailed review of the CIM Provider Prototype activity.
 - Presentation Slides are at:

<ftp://ftp.pwg.org/pub/pwg/wims/cim/PWG-F2F-200812-WIMS-CIM-WG-session-00.pdf>

- Files discussed are at:

<ftp://ftp.pwg.org/pub/pwg/wims/cim/ProxyProviderSampleFiles-WIMS-CIM-mtg-20081204.zip>

- ❖ The group then discussed the email from Ricoh (konstantin.vorobyev@nts.ricoh.co.jp) saying that there is no place to put a manufacturer's name in the CIM printer model.
 - The information that Ricoh is actively implementing the Printer CIM MOFs was enthusiastically received.
 - Rick said that the CIM_Printer.Caption object could be used. He has mapped "sys description" to this element in his proxy provider, Manufacturers typically identify themselves in this MIB object.
 - Ira suggested that "instance ID" could be used, but Rick said that it is only available in the subunits, not in Printer Class.
 - Ira agreed to post a response to Ricoh with the "caption" recommendation, as well as noting the newly posted CIM V2.20 and alerting Konstantin to remaining problems in CIM_PrintAlertRecord.RecordFormat (Action Item)

Consideration of Future Projects/Potential MIB Activity

- ❖ Previously Identified "future WIMS activities" were reviewed along with resolution
 - Evangelizing and perhaps sponsoring development activities for Web Service Management of Printers. The consensus was to restrict our WS specific activities to creating CIM schema.
 - Develop standardized management elements for MFDs, paralleling MFD effort in service definition with device management. The idea is that the existence of a standard will encourage support of a consistent set of elements (possibly in addition to proprietary). The conclusion was that the path to standard WS management elements would best start with standard SNMP MIBs.
 - Continued CIM activities:
 - Print Services CIM Schema - In progress
 - Printer Profile - Expose elements from networked printer MIB-II elements in CIM "networked Computer System" approach; also basis for the basic computing device in MFP
- ❖ This segued to a discussion of the integration the PMP (MIB) working group with WIMS.
 - What form should the combined WG take?
 - Keep PMP as separate WG?
 - Run two WGs in parallel?
 - Merge two WGs into one hardcopy device management WG?
 - Depends on level of PMP type activities. Potential activities identified were:
 - Update and Publicize Printer MIB FAQ
 - Current FAQ is out of date and hidden
 - Most of us are aware of implementation eccentricities
 - Users and Fleet Management Agencies both need to understand some of these variations, and should have some place to voice their questions.
 - Printer Port Monitor MIB
 - update specification

- interoperability testing
- advance PPM to PWG standard
- MFD MIB or MIB extensions
 - MFD group is addressing service semantics; need to address management elements
 - Incomplete and aborted past attempts at MFD standards, including:
 - PWG Printer for Multi-Function Devices, March 2007
<ftp://ftp.pwg.org/pub/pwg/pmp/wd/wd-mfp-alert-groups10-20070313.pdf>
 - enums-only extension to Printer MIB for scan, fax, etc., MFD
 - alerts in existing prtAlertTable
 - Status:ready for prototype - technically complete
- Power Management objects "Green" Issue
 - What elements? Existing private MIB/CIM Mapping?
 - Compatibility with CIM.
 - Consider evolving ECMA standards.
 - New MIB or Augmentation/Extension of existing MIB.

PMP/WIMS Integration

- ❖ With regard to the PMP/WIMS integration, it was decided to have one working group concerned with the management of hardcopy devices and system, but to maintain all of the management-related mailing lists. This included:
 - PMP(PrinterMIB and Port Monitor MIB) and
 - WIMS (primarily CIM),
and implicitly
 - FIN (Finisher MIB),
 - JMP (JOB MIB).

There was a suggestion that the integrated group retain the WIMS acronym, although with more appropriate meaning. (WIMS stood for Web-Based Imaging Management Service, which is inappropriate for the more general charter since we are no longer restricted to Web –Based methods, and are definitely not concerned with defining a management service.) Unfortunately, although we remain open to suggestions, there appears no reasonable root name corresponding to WIMS. (Well-considered Imaging Management Semantics; Widely-accepted Imaging management Stuff...). I suggest that we assign a new name (Hardcopy Device and Service Management).

- ❖ The change will require a revised charter expanding the scope. The requirements relative to having the charter voted on will need to be addressed by the PWG steering Committee.

Priority on Activities

- ❖ The meeting concluded that priority must be given to the definition a standard set of Hardcopy device power management elements. Although the initial binding of these

elements might be in a MIB or MIB extension, the effort must not be considered as an exclusively MIB oriented effort.

- ❖ There was no consensus on the second priority, not even the intention of further progressing the PWG Printer for Multi-Function Devices document.

Next Steps / Open Actions

- ❖ It was tentatively agreed that the next WIMS teleconference would wait until the new year, although January 5 might not be a good date.
- ❖ Action items
 - Ira: send message to Konstantin
 - Bill: take cut at revised charter

Meeting was adjourned at about 3:30 PM, PST.

Bill Wagner