Web-based Imaging Management System WG

Printer Working Group
Face-to-Face Meeting
26 April 2007

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Agenda

- **Counter Spec/ Counter MIB (11-12)**
  - **Counter Spec Call for Objections**
  - **Counter MIB V2 – General**
  - **Counter MIB V2 – Review (Ira McDonald, High North)**
- **CIM Realignment-Summary CIM (1:30-3)**
- **Realignment – Progress Details**
  - **Rick Landau, Dell; Ira McDonald, High North**

Web-based Imaging Management System WG
Counter Spec & MIB

PWG WIMS Activity

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Current Activities

- **Counter Spec Update in Call for Objections**
  - Revised Draft posted and Call for Objections - 9 April
- **Version 2 of Counter MIB**
  - Reflects addition to Counter Spec.

  - Supports monitoring of the counters and state of all imaging services and subunits independent of any other MIB (but coherent with Printer MIB, Finisher MIB, and Host Resources MIB).

  - Resolves the main problem of MFP alerts (ambiguity about which services are affected when a given subunit has a fault).

  - Counter MIB v2 is 100% backward compatible with Counter MIB v1 (all new objects have new compliance groups).

Counter Spec Update

- **Counter Spec Update in Call for Objections**
  - **a significant issue was identified with regard to the approved PWG Candidate Standard 5106.1-2005- PWG Standard for Imaging System Counters, commonly know as the "Counter Spec"**
  - **Changes**
    - **Page 8: added to definition of "Datastream", "...including associated job processing instructions (e.g., job ticket.)"**
    - **Page 11: Added definition of "Raw Traffic"**
    - **Page 12: Added definition of "Single-sided"**
    - **Page 28, Table 5.3.1:**
      - **Modified introductory paragraph**
      - **Modified definition of MediaUsed.MediaInfo**
      - **Added MediaUsed.MediaAccountingKey element to table**

Counter Spec Update

- ## PWG Steering Committee Ruled
  - Because of the low impact changes, the revised standard does not need to go though a formal approval cycle by the PWG as a whole, but that the PWG should presented with the opportunity to comment via a Call for Objections

- ## Are there any objections?

Counter MIB

- **Version 2 of Counter MIB**
  - Ira posted Version 2 of the Counter MIB
    - ftp://ftp.pwg.org/pub/pwg/wims/wd/wd-wimscountmib20-20070423.mib
      - - ASN.1 only - compiles without warnings in Epilogue and SMICng
    - ftp://ftp.pwg.org/pub/pwg/wims/wd/wd-wimscountmib20-20070423.pdf

      - - PDF - color-highlighted ASN.1 of MIB

Counter MIB

- Counter MIB v2 is 100% backward compatible with Counter MIB v1 (all   new objects have new compliance groups).

- Counter MIB v2 adds objects to three existing tables and adds one new table, so it must pass through the full PWG Process: Initial, Interim, Prototype, Stable, PWG Last Call, and PWG Formal Vote.

- We understand that there is an effort to prototype the Counter MIB. This would allow the MIB to proceed though the process to a Candidate Standard rather than just an informational document.

- **Detailed Discussion as desired (Ira)**

Web-based Imaging Management System WG
CIM Printer Realignment

PWG WIMS Activity

Review of CIM Relationhip Background

- **The PWG has long been concerned with maintaining a printer device and service management model that is consistent over the various protocols and applications that may be used for management.**

- **The management model for a printer device was formalized in the Printer MIBs. Aspects of device and service are also addressed in IPP and WIMS.**

Review of CIM Relationhip Background

- **Although not in extensive use for printers, the DMTF CIM did address printer devices, but in a way that was incomplete and incompatible with the model represented by the Printer MIBs.**
  - *Some PWG Members felt that, since CIM was being used for management in general, it should consistently and adequately address printers*

- **Moreover, it was believed within the PWG that management over the network would migrate to a Web Services approach. Members wanted to ensure that printers (and eventually MFDs) were properly modeled.**

Review of Background

- **Since DMTF CIM appeared to be the common path for modeling things for Web Services management, an PWG aligned CIM printer/printing model appeared desirable**

- **Therefore, an agreement was made with DMTF/CIM to align the CIM Printer MOF with the PWG printer device management model.**

  - **The PWG obligations under this agreement were met under Phase 1 of the PWG/WIMS/CIM effort.**

  - **The WG has gone on to phases 2 and 3 of the effort, to update and bring management coverage up to a reasonable level, but there have been unexpected difficulties in accommodating DMTF/CIM requirements.**

  - **However, the WG has concluded that expanding the MOFs to provide more complete modeling is a necessary step in preparation for Management by Web Services**

Review of Background

- **Continuing Phases 2 and 3 of the CIM Realignment Activity**
  - Fix definitions of ambiguous properties, deprecate non-interoperable properties; move properties to correct parent class
  - Add needed management items that are available through existing printer management methods (e.g., MIBs & IPP)

CIM Realignment Activities Since last F2F

- **Turn over to Rick Landau**