

Web-based Imaging Management System WG

Including

CIM Realignment Activity

Printer Working Group

Face-to-Face Meeting

19 February 2007

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PWG WIMS Activity



Agenda

- Introduction (15 Min)
- Counter Spec Issues (20 Min)
 - Background
 - Proposed Modification
- CIM Realignment-Summary (5 Min)
- CIM Realignment – Progress Details (80 Min)
 - Rick Landau, Dell; Ira McDonald, High North

WIMS Projects

- **WIMS “Protocol”**
- **Generation/Conversion of Imaging Management information into XML Schema**
- **Counter Specification, MIB and Schema**
- **Preparation for Web Services based management by update of DMTF/CIM to reflect current MIBs, IPP etc.**

Current Activities

- **Modifications to the Counter Spec**
 - Address the need for an additional element and several requests for clarification of terms
- **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)

Counter Specification - Background

- Standard for Imaging System Counters (Counter Spec) approved by the PWG and became Candidate Standard 5106.1, September 2005
- Among the various items counted are the number of media used and how they are used
- Standard, as approved, says : "The elements `MediaUsed.MediaSizeName` and `MediaUsed.MediaInfo` are used to uniquely identify a type of media. "
- If all media in a given environment were distinguishable by size alone, then `MediaUsed.MediaSizeName` fully identifies the various media.
- If there were different media types of the same size, then `MediaUsed.MediaInfo` is used to differentiate between media.

Counter Specification - Problem

- Stuart (Kyocera-Mita) pointed out that, because `MediaUsed.MediaInfo` is intended for human consumption and is localizable it is difficult to use as a machine readable identifier.
- Solution added a non-localizable media differentiation element. Ira used "`MediaUsed.MediaAccountingKey`".
- This element provides media differentiation within the environment that is being monitored, not necessarily universal uniqueness.
- `MediaUsed.MediaAccountingKey` values must be well known by the machines and applications using it, but need not differentiate all of the possible distinguishing features in media.
- Ira will recommend a format of this element value in the Counter MIB.

Counter Specification - Status

- Revised draft posted

<ftp://ftp.pwg.org/pub/pwg/wims/wd/wd-wimscount10-20070212.pdf>

- Review Change to Media Used
- Steering Committee recommendation to make change as errata, subject to PWG Call for Objections, rather than re-issue revised spec

Counter Specification - Definitions

- There have been a few requests for definition clarification
 - **Datastream** – added that it can include job processing instructions – in current draft
- Additional requests discussed in mailing list

CIM Realignment Activities Since last F2F

- Working on Elements from Printer MIB that have been selected for inclusion
- Complete MIB to MOF tool to make conversion easier
- “Pipecleaner” Change Request adding Output Tray completed and submitted to CIM.
- Work on Change Requests adding new MOFs proceeding
- Question of including IPP-based “Print service” elements

Short Term Milestones

- Finish printer device CRs .There will be 14-15 new MOFs, which will be processed in groups of 2 – 3. The following milestones are for the last of the MOFs.
 - **Basic Information Extracted – April 1**
 - **Presentation at April Meeting and WG Review - May 1**
 - **Information reformatted into CIM CR and submitted to PWG in Call for Objections – May 15**
 - **Call for Objections completed and submit last to CIM Core - June**
- **Begin looking at IPP based elements – June 2007**