

PWG WIMS CIM Alignment

Face-to-Face Meeting Minutes

October 27, 2005

Craig Whittle - PWG WIMS/CIM Co-chair

Meeting was called to order at approximately 9 a.m. CDT on October 27, 2005 by Bill Wagner.

Attendees

Lee Farrell	Canon
Bill Wagner	TIC
Ole Skov	MPI Tech
Ira McDonald	High North
Fumio Nagasaka	Seiko-Epson
Harry Lewis	IBM
Jerry Thrasher	Lexmark
Craig Whittle	Sharp Labs of America

General Discussion

- Bill led discussion using presentation found on ftp://ftp.pwg.org/pub/pwg/wims/white/WIMS_27_Oct_Presentation%5B1%5D.ppt.
- Slide 4 - PWG Semantic Model is the basis for WIMS-CIM activities
- Ira: DMTF (WS-Management standard not expected for a couple of years at the current rate / process)
- Both WSDM and WS-Management XML structures do not map well to CIM. DMI/MIF mapping will be difficult. CIM uses DTD not XSD (big effort).
- WS-Management -> CIM <- WSDM (CIM is in the middle politically)
- Semantic content could be lost in the translation from XML-based content to CIM
- Rick Landau is not available due to a medical condition
- WS-CIM (CIM MOF to WSDM) specification describes how to represent and access the content of the CIM model using Web services, WS-Resource Framework, WS-Notification specifications, and WSDM. (see <http://www-128.ibm.com/developerworks/webservices/library/specification/ws-wsdm/>)

- DMTF has reinvented itself many times over the years. Could they “jump the gap” and go right to schema when they realize the scope of the work?
 - Will PWG waste time going to the wrong target (CIM)?
 - Is CIM really the near-term avenue?
- PWG should do editorial and technical “fix up” to establish relationship with DMTF
- Reviewed Work Register
 - PWG was under the impression that the work would be a cooperative effort with some participation from DMTF
- PWG Actions
 - CIM realignment WG formed
 - Weekly teleconferences working well
 - Failed attempts to form a working relationship with CIM
 - Inconclusive feedback from Rick’s presentation to CIM Core
- Comments on “CIM Printer”
 - Structural problems, vague or meaningless properties, mapping strings, read / write, attributes, mutable / modifiable, incompleteness
- No cooperative effort thus far with DMTF
 - John Crandall has not responded to Harry’s request for participation from CIM
 - John Crandall is trying to contact Steve Jerman
 - CIM core made “off the core” comments
 - DMTF general management needs to be educated on the management requirements for imaging devices
 - PWG members should educate other CIM participants in their companies
 - IBM uses WebSphere and CIM for printer management
- Work products (see slides)
 - WP #1 and WP #2 should happen in succession. WP #2 should happen without waiting for WP #1 CR to complete the standards process.
 - WP #3 and #4: Could be this done as WSDM?
 - Introduce new native WSDM imaging classes (general mapping) into CIM, WS-M, as PWG classes.
 - Need greater participation and implementation of WS management
- Job management
 - Microsoft: Vista uses a static, XML-based capabilities description for job tickets.
 - Apple: also supports a XML-based job ticket (internal API)
 - Is a consistent PWG Job Management Model for imaging desirable?
 - What’s the value of this from a printer vendor’s perspective?
 - History: Printer MIB (HP involved), IPP (MS involved)
 - Now: MS doing another proprietary Job Ticket XML format

- Standards participation and adoption barriers
 - Waiting for critical mass as opposed to promoting it
 - Affect on Linux (as a lead adopter of standards)
 - CUPS, next version, passes job ticket information
 - End-user vs. administrator / accounting management model
 - Risks of early adoption may be barriers
 - “Chicken / egg” syndrome
 - Standardization requires consensus on obvious
- Create common applications validation tool to ensure compliance with Semantic Model?
 - For whom? Under what circumstances?
 - General fleet management (not vendor specific) / enterprise
 - Building commonality infrastructure in industry
 - No. If vender pushing own product
 - The alternatives (WS-management defines standard independently) are less desirable
- Is the PWG Semantic Model the best existing basis for such a model?
 - Yes
- Is DMTF/CIM the best an appropriate vehicle for establishing the PWG model within the general context of Management, and of Web Services based Management?
 - Go straight to WSDM? Prototype?
 - Create white paper that maps Semantic Model to WSDM (borrowing from WS-CIM white paper)
 - Risks of starting with WSDM (still need to end up in CIM)
 - Perhaps CIM will be developed incorrectly
 - Work Products #3 and #4 might be worked using WSDM (later)
- Can PWG Membership encourage CIM Co-operation?
 - Where in DMTF? Different people?
 - How to we get parallel political leverage?
 - Consensus is just complete WP #1
- Will PWG Membership participate in the effort?
 - Work is underway - level adequate for work required
 - Level of participation won't be the same as before (IPP days)
- What is a reasonable goal?
 - See work products
- Next WIMS/CIM concall on 11/10 at same time

Next Steps / Open Actions:

- Complete work product #1
- Next WIMS/CIM concall on 11/10 at same time.
- Harry to contact John Crandall to see if we can get greater participation from CIM Core. John will also contact Steve Jerman.