Web-based Imaging Management System Working Group

Printer Working Group
Face-to-Face Meeting
February 16, 2009
Waikoloa, Hawaii

Intellectual Properties Policy Statement

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

WIMS WG Agenda

- 8:00 – 8:15   Startup and Introduction
  - ➢ Get Remote Setup Working
  - ➢ Give Intellectual Property Statement
  - ➢ Identify Minute Taker
  - ➢ Introduce Participants
- 8:15   Consider Agenda
- 8:20   Current Projects Summary
- 8:25 – 8:45   Update on Proxy CIM Provider
- 8:45   Update on CIM Class efforts
- 9:00 – 9:10   Futures Discussion
- 9:10 – 9:15   Wrapup
- 9:15– 9:30   Break

Current Activities

- A revised charter, reflecting the incorporation of the PWG MIB WG activities, was developed and has been approved by the PWG Steering Committee.
  (ftp://ftp.pwg.org/pub/pwg/wims/charter/ch-wims-charter30-20090202.pdf)

- Final Print Device Schema will be in CIM 2.21 release, due out in February.

- Ira is working on the update of Print Service Schema, based on IPP semantics and following the considerations of the IPPV2 WG

- Rick is continuing with the Proxy CIM Provider prototype implementation. Code implementing the essence of the CIM to MIB to CIM translation will be complete first quarter 2009.

Dell CIM Provider Prototype

- An SNMP to CIM Provider is being prototyped by Rick Landau. 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 new elements from the experimental state.

- Rick>>

Print Services CIM Schema

- Original Printer CIM Schema included elements that more properly belong under Print Service. However update of Printer could not deprecate them until they were relocated in Print Service.

- Ira is aligning Printer Service elements with IPP, considering the elements selected for IPP 2.0 by IPP2.0 WG (plus Media Names)

- Ira>>

Futures Discussion

- Hardcopy Imaging Device Power Management Elements
  - ➢ Consensus at last F2F is that this is of highest interest
  - ➢ BoF to consider committed interest, scope, objectives
  - ➢ Intent is to defined management elements, that is semantics of power management that may be applied to various transport mechanisms (including walkup)
  - ➢ Many factors of regulation and compatibility apply, as well as unique power and use characteristics of hardcopy imaging equipment
  - ➢ Binding to some mechanism (probably SNMP) would be necessary to allow prototypes for verification or specification clarity and workability
  - ➢ Prototyping necessary to allow advancement to PWG candidate standard

Futures Discussion

- CIM Network Printer Profile
  - Network Printer is modeled as a "Computer System", with the defined "Printer" being a system device within it. Printer Profile would tie in other, already established schema:
    - Network port
    - IP endpoint
    - DHCP client
    - DNS client
    - Software identity
    - Power management

- Other PWG efforts will define information that we should capture in a profile
  - Power Management: CIM already has done modeling
  - IDS: What attributes are critical to have available for CIM instrumentation or for security scans?

- Printer Profile will act as basis for MFP Profile

Futures Discussion

- Printer Port Monitor MIB
  - Extensively implemented both in OS and in Devices
  - Opportunity to get first full PWG standard
  - Variations in implementation may be because of some lack of clarity in Spec
  - Potential that PPM MIB be expanded to address MFP services, not just Print
  - Potential Actions
    - update spec
    - interoperability testing
    - advance PPM to PWG standard

Futures Discussion

- Expanding management considerations to MFDs
  - ➢ MFD WG is developing semantics for the imaging services associated with Multifunction Devices
    - ▪ Distinction necessary between System/Service orientation of Semantic Model effort which considers subunits primarily in terms of the capabilities they have to execute service functions; and management orientation which is concerned with the configuration, maintenance serviceability and utilization statistics of the device and its components.
    - ▪ Some overlap in:
      - ▪ Identification of capabilities
      - ▪ Selection of configuration
      - ▪ Use counters

Wrapup

- Summary of Conclusions
- Schedule Estimates
- Action Items

Thanks for your participation!