PWG *Web-based Imaging Management Service*

Phone Conference

Minutes - March 02, 2005

Harry Lewis
03/08/2005

Attendees

- Rick Landau, Dell
- Harry Lewis, IBM
- Ira McDonald, High North (by phone)
- Bill Wagner, NetSilicon

General Discussion

Accepted Feb 16 conference call minutes.

WIMS spec needs to catch up
Trying to have last call that spans the Tokyo meeting, not necessarily ends at Tokyo.
Revised Counter MIB – Fix 2 ASN.1 warnings. Missing notification group macro and revision clause need to be added to MIB (warnings, only). Need to convert whole thing to WORD.

Requirements
WIMS security

Lastest version of DMTF Work Register discussed. Work Register to proceed in DMTF.

Review WIMS requirements. Clarify that extranet management supposes that both the agent and manager are behind separate firewall. In this case only the Agent interface is expected to be implemented.

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From Ira's note of Feb 5, 2005. The WIMS Requirements section should
include:

(1) At least three _crisp_ Use Models with
    flow diagrams
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(2) Derived requirements for each Use Model
(3) Security requirements
(4) Common requirements summed from above

At least these three Use Models are needed:

(1) Extra-enterprise fleet management
    - using WIMS Agent Interface only
(2) Intra-enterprise system management
    - using WIMS Management Interface also
(3) Intra-enterprise accounting
    - justifying Counter Schema and MIB
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Consider adding this last use model as a requirement to the Counter spec.

For Extranet… do we need to encrypt the response? Hackers can learn the topology and use this information to hone denial of service or leverage other security weakness. Sending resolvable URIs makes it necessary for a site being serviced by an external agency… mandatory that encryption be used. Bill reminds us that the initial design didn't use URI… used independent asset number. Did we screw up using URIs? Sometimes the customer doesn't want the manager to know ANYTHING about the network… just condition of particular devices. Asset identifier (network local) translated by proxy into IP addresses.

We need to discuss use of HTTPS with WIMS. Also mutual authentication for legal billing. With public key or symmetric keys… not with user passwords. Digest authentication rejected by IETF because of known corrupt digest on top of TLS tunnel. Trivial man-in-the-middle. Tools on web.

Strong mutual authentication at the TLS layer, HTTPS or application layer is what we need. Authentication must occur all at the same layer.

Encryption is optional (by packet) in TLS. (better to do in stream).
Authentication / encryption are independent.

Point to IPPv1.1 use of HTTPS?

Extranet – run over HTTPS (should or must?)
Intranet – Use Update http header like in IPPv1.1 to insert TLS incorruptible record layer .

Next Conference Call

The next WIMS conference call will be Wednesday March 9, 2005.

Time: Noon Eastern (9am Pacific)

NOTE THE NEW DIAL-IN NUMBER!

Call-in US Toll-free: 1-866-365-4406

Call-in International/Toll: 1-303-248-9655

Participant Identification number: 2635888#