

Minutes of the PWG Web Based Monitoring and Management conference call – September 10, 2003

Harry Lewis, 9/10/03

Attendees

- • Harry Lewis, IBM (Secretary)
- • Ira McDonald, High North
- • Bill Wagner, NetSilicon (Committee Chairman)

General

Phone conference was from Noon to 1pm EST. Following discussion was recorded.

1. The current design point was reviewed and reiterated. This consists of
 - a. A “Schedule” which consists of an XML document that contains elements that represent straightforward instructions or “Actions” such as a request for elements or a pause/resume effect. Complex tasks will be accomplished with verbose schedules (rather than via definition and standardization of complex operations).
 - b. A set of operations
 - i. Most of which initiate from the device or proxy being “managed”
 1. **GetSchedule**
 2. **SendReport**
 3. **SendAlert**
 - ii. One of which is initiated by the management application
 1. **Execute**
 - iii. And two of which relate to discovery
 1. **Register** (A managed entity associating with a manager. This is distinct from the *action* “Subscribe” – see below).
 2. **Unregister**
 - c. A set of “Actions” which make up the Schedule which is sent from the manager to the managed entity (device or proxy).
 - i. **Subscribe/Unsubscribe** (with attributes describing the events of interest, and how timely notifications must be sent).
 - ii. **Wake** (with attributes such as Immediate, TimeOfDay, Frequency, Delay)
 - iii. **Enable/Disable**
 - iv. **Resume/Pause**
 - v. **Activate/Deactivate** (Activate is simultaneous Pause+Disable)

- vi. **Reset** (to current defaults)
 - vii. **Restore** (to factory defaults)
 - viii. **Purge** (all jobs)
 - ix. **List** (a list of URLs of printers, MFDs, print services etc which are available to be managed via this WBMM interface. Intended to facilitate proxies. Resolves to the same URL as the WBMM interface, itself, when managing a single device).
 - x. **Get/SetElements** (ex. Where the elements might represent configuration parameters)
 - xi. **Get/SetResource** (ex. Where the resource might be a code flash)
2. To traverse firewalls, most operations will be initiated by the managed entity once it receives a Schedule of actions to perform. The Schedule is delivered via the WBMM Execute operation. A manager initiated “tickle” may allow unscheduled transactions. The “tickle” is nothing more than an Execute operation delivered by any means such as via WBMM over VPN or via MIME encoded e-mail.
 3. Ira is working on a schema definition that describes the above Operations, Actions and associated attributes. Ira’s schema will correlate to the IETF Schedule MIB.

Next meeting –

[Time:12:00 PM EDT \(9:00 AM PDT\) Wednesday 1 October 2003](#)

[Call-in US Toll-free: 1-877-874-5524](#)

[Call-in International/Toll: 1-712-455-8420](#)

[Participant Identification number: 497478](#)