PWG *Web-based Imaging Management Services*

Minutes - August 17, 2004

Montreal

Harry Lewis
08/23/04
Updated 9/2/2004

Attendees

- Paul Danbold, Apple Computer
- Lee Farrell, Canon
- Grant Gilmour, 366 Software
- Peter Hansen, Intermate A/S
- Harry Lewis, IBM
- Ira McDonald, High North
- Stuart Rowley, Kyocera
- Norbert Schade, Oasis
- Yasuji Takeuchi, Konica Minolta
- Jerry Thrasher, Lexmark
- David Too, Intermate A/S
- Bill Wagner, NetSilicon
- Peter Zehler, Xerox

General Discussion

Minutes from the Vancouver f2f were reviewed and accepted.

An overview of WIMS was provided for new participants including:
Protocol Spec
Counter Spec
Schema
1. prtviews.xsd
2. schedule.xsd
3. hrmib
4. fin, printer, charset
5. alert
6. event
7. report
8. resources

IBM shared experiences and issues encountered during WIMS prototyping.
1. How to differentiate ReportRequestedElements when there is more than one ActionTargetURI
   a. There are multiple Reports, one for each TargetURI (change SendReport to SendReports).
2. Modifications requested to PrintViews
   a. Added sysDescr, hrPrinterDetectedErrorState, prtAlertSeverity
3. Confusion over the use of "any" terminology in several schemas
   a. Clarify and or reduce the use of "any" where it adds no meaning

Discussion to invite other parties such as fleet management vendors and technology vendors such as Axeda. Reminder that Bill Wagner had invited Axeda in the past but received no response. Mention of recent publicity surrounding IP assertion by Axeda which does not appear relevant as it pertains largely to e-mail.

Some of the more recent participants felt they would like to see a demo of the prototype, have a more condensed, to the point, set of documentation (ex. instance schemas tailored to a conformance subset), and some estimation aids for planning an implementation.

Counters

The latest revised counters schema (Pete Zehler – editor) was reviewed in detail. Distinctions were made between "service" and "subunit" with agreement to define counters at both levels. Counters at the service level are needed for billing on an individual service basis. Counters at the subunit level are needed for status, maintenance and wear related usage for that specific subunit. We agreed, wherever possible, to model subunits using the same semantics that have, historically, been applied to the standard Printer MIB. That is, covers, trays and bins nomenclature should be preserved as appropriate for new subunits.

Decisions

Decisions arrived at during the Montreal f2f
1. Counters discussion will be carried out on WIMS reflector (not SM)
2. There is a lot of confusion over the definition of impression, image, page, sheet etc.
   a. Agreed – "Impression" is sheet side
   b. Agreed – "Image" is virtual sheet side

      i.   Realize this is poor overloading of "image" but unavoidable due to precedence.

3. Watermarks are treated as document data. Watermarks that are generated at the device (administratively configured) are treated as document data, also. We are not at all worried about watermarks that are preprinted and don't count them as anything.
4. MediaUsed counters increment when media is pulled from the input tray.
5. Per-service counts are listed separately and pre-pended with service name.
6. If any service or subunit is in maint than the top level is in maint.
7. Agreed Pete can drop counter table in appendex 1
8. Remove managed entity and refer to device or service, instead
9. Target and Source are always viewed from the perspective of wherever the operation is being performed.
10. WIMS agent can have multiple schedules running simultaneously
11. Add targetObject to admin Actions and management actions so actions can be done on services as well as overall devices

Action Items

#	Action Item	Assigned
1	Write specification for each WIMS schema (Schema must not be treated as normative). Note: Ira McDonald already is working on writing normative definitions for every element and every containing object. Low priority compared to schema updates to support prototyping.	Multiple
2	Define Counters conformance subset	PeteZ
3	Define equations of interest	PeteZ
4	Rework terminology. Change "closest to" to "directly associated" or "directly accessing"	BillW
5	Change order or operations. RegisterForManagement first. Keep groupings. SendReport, SendAlert, GetSchedule	BillW
6	Change ReportSourceURI to ReportAgentURI in Report schema ReportSource. Also change that to ReportAgent group.	BillW
7	Revise Schedule schema to handle last day of the month etc (-1, -2, -3 …) Note: Already fixed in `schedule-20040810.txt`	IraM
8	Requirements document. Follow through with narrative illustrating how these requirements might be implemented using particular sections of the protocol as defined.	t..b.d.
9	Build instance schemas tailored to compliance subset.	t.b.d.
10	Prototype Demo (requested by Apple)	t.b.d.
11	UML sequence diagrams	t.b.d
12	Develop agentSchema	t.b.d.
13	Implementer's Guide	t.b.d.

Next Conference Call

The next WIMS conference call will be Wednesday September 01, 2004.

Time: Noon Eastern (9am Pacific)

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