

Will <WBEM/> Replace SNMP?

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What is <WBEM/>?

- Everything which uses a Web browser as a user interface.
- ⇒ obvious nonsense
- Everything which misuses HTTP as a general middleware protocol.
- ⇒ also nonsense, even though not so obvious to many people

What is <WBEM/>?

- Everything which uses internal data structures that conform to the CIM.
- ⇨ useless, does not give on the wire interoperability
- Everything that implements CIMOM?
- ⇨ who is going to do that?

But <WBEM/> has so much attention so it must be important!

- Lesson 1: Lots of attention does not mean it is going to succeed.
- Lesson 2: Without open source reference implementations, it will go nowhere.
- Lesson 3: Remember DME? (If not, read Marcus' IM '95 paper!)
- Lesson 4: People prefer to discuss how to move data around so that they do not have to design smart management applications.

SNMP is good for element monitoring and bad for everything beyond!

- Truth is that there are deployed systems which are configurable only via SNMP.
- Truth is that SNMP has rough ends (like most technologies) and can be improved.
- The industry understands the problems associated with SNMP.
- We do not yet understand where the <WBEM/> problems are (although we start to learn).

Evolution instead Revolution

- Evolution of the SNMP framework:
 - EOS IETF WG is working on improved protocol operations.
 - SMInG IETF WG is working on an improved data definition language.
 - Many other IETF WGs are working on MIBs and the infrastructure.
 - NMRG is actively working on additional proposals to improve Internet management standards.
 - Lots of good technical SNMP related work at this IM.

NO