

**Policy Working Group
Dated 11 November 2003**

**The information provided below is subject to change
and reflects the current knowledge of the Working
Group.**

| | |
|---|--|
| <p style="text-align: center;">Management Problem(s) and Environment</p> | <p>Policy-based management provides an abstraction that enables the definition of system behaviors that are independent of implementations. The Policy Working Group continues to develop rule-based mechanisms for highly scalable management of heterogeneous systems.</p> <p>Policies can be used to specify resource management configuration directives and, at a higher abstraction layer, they can be used to specify user experience management directives.</p> |
| <p style="text-align: center;">WG Charter</p> | <p>Activities of the working group include:</p> <ul style="list-style-type: none"> • Modeling of policy rules using generic event-condition-action classes • Evolution of the CIM Policy Model, including updates based on implementation experience • Service Level Objectives model, developed in consultation with the Application WG, that includes: <ul style="list-style-type: none"> - Modeling of the metrics (using the CIM Metrics Model) measured, managed and reported in the support of Service Level Agreements, - Modeling of the relationships between service level objectives, high-level and device-level policy rules, and • Analysis of the context(s) in which policy rules apply and the implications for further extensions to the Model • Investigate the potential use of policy languages for expressing conditions and actions. |
| <p style="text-align: center;">Alliance Partnerships</p> | <p>We are working closely with the SNIA Policy-based Storage management TWG (http://www.snia.org/apps/org/workgroup/policy) on their profiles and the SMI-S specification that is driving storage implementations.</p> <p>The working group continues its joint work with the IETF Policy Framework (http://www.ietf.org/html.charters/policy-charter.html) working group.</p> <p>There is also related work being done in The Open Group (http://www.opengroup.org/qos/) including the AQRM group doing application quality management.</p> <p>We are working with the TeleManagement Forum (http://www2.tmforum.org/browse.asp?catID=997&sNode=997&Exp=Y) in the continuing SID/CIM coordination.</p> <p>The Global Grid Forum is also considering adding policy work to the</p> |

| | |
|---|---|
| | <p>New Productivity Initiative (http://www.pulsipher.org/npia/) agenda and has created a Policy RG.</p> <p>These initiatives are being monitored by working group members.</p> |
| Reliance/Coordination with other WG Models | <p>The SLO Model will use the Metrics Model. It may also use the Events Model and create associations to objects within the User Model. The generic Event-Condition-Action work is pertinent to all WGs. We will need to coordinate with the SPAM WG on Firewall policies and actions.</p> |
| Prior Work | <p>The current Policy Model is based on prior work done jointly by the DMTF Policy Working Group and the IETF Policy Framework Working Group (http://www.ietf.org/html.charters/policy-charter.html), resulting in the 2.6 standard release and the 2.7 preliminary standard release of the CIM Policy Model, and in RFC3060 (http://www.ietf.org/rfc/rfc3060.txt) and the Policy Core Information Model Extensions (http://www.ietf.org/internet-drafts/draft-ietf-policy-pcim-ext-08.txt) which has been approved for publication as an IETF Proposed Standard RFC (RFC number to be assigned at the time of this writing).</p> <p>For CIM 2.8 (1Q2003), the working group completed minor updates to the model based upon implementation experience.</p> |
| Current Work – Overview, Deliverables and Timeline | <p>For CIM 2.9 we expect to extend policy such that it can act directly on CIM implementations without further sub-classing.</p> <p>Specifically we are working on QueryCondition and MethodAction subclasses for CIM 2.9</p> <p>A white paper that includes some "best practices" guidance in the definition and management of Event-Condition-Action implementations.</p> |
| DMTF Contacts | <p>Mark A. Carlson, wg-policy-chair@dmtf.org</p> |
| Link to Subteam Charter(s) | <p>There are no active subteams.</p> |

To join the DMTF, see
<http://www.dmtf.org/join/index.php>, and to join the
working group, see
<http://www.dmtf.org/apps/org/workgroup/policy/join.php>