An SNMP Usage for RELOAD
draft-peng-p2psip-snmp-04
IETF #83

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Relation between SNMP and RELOAD

- SNMP is used to manage RELOAD overlay.
- SNMP application utilizes RELOAD to
  - Discover SNMP agents/managers
  - Establish connections
Current Status

• Received many comments from P2PSIP and SNMP people
  – David A. Bryan, Eric Rescorla, Wolfgang Beck, etc
  – David Harrington, Dan Romascanu, Juergen Schoenwaelder, Tom Petch, etc

• All raised issues fixed
  – Scenarios clarified in another draft, draft-peng-p2psip-network-management-scenarios-03
  – Two issues fixed in 04
Changes since draft-peng-p2psip-snmp-03

• Fix two issues with the help of Juergen Schoenwaelder and Dan Romascanu
• Add some descriptions in the Introduction
  – Make it easier to be understood
• Define a basic MIB module for RELOAD
MIB for RELOAD

- SNMP objects
- Node info
- Node setting
- Failure
- Conformance
Next Steps

• Refine the document
• WG item?
Q&A

Thanks!
Q&A

Thanks!
Q&A

Thanks!
## Management Scenarios

<table>
<thead>
<tr>
<th></th>
<th>Internet</th>
<th>Carrier’s dedicated network</th>
<th>Enterprise Network</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Monitoring dedicated devices</strong></td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td><strong>Gathering Network statistics</strong></td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td><strong>Fault alarming</strong></td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td><strong>Disposing malicious/fault user nodes</strong></td>
<td>Y</td>
<td></td>
<td>Y</td>
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<tr>
<td><strong>Controlling user nodes</strong></td>
<td>Y</td>
<td></td>
<td>Y</td>
</tr>
<tr>
<td><strong>Trouble shooting</strong></td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td><strong>Control level</strong></td>
<td>Loose</td>
<td>Strict</td>
<td>Medium</td>
</tr>
</tbody>
</table>
Relationship to diagnostics draft

• Diagnostics draft provides built-in mechanisms for network diagnostics
• P2P network management provide broader management capabilities
• Diagnostics mechanisms can be used by network management systems