IEEE 802.1ap – MIB

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Draft 0.2 for P802.1ap

> http://www.ieee802.org/1/pages/802.1ap.html
> Proposal by David Levi
> Draft now contains
>   • Front matter boilerplate
>     • Clause 1 – 5, Annex A placeholders
>   • Clause 17
>     • Full reorganization showing .1ag and .1ah inclusion
>     • Adaptation of IETF MIB text
>       (structure, relationship & security considerations)
>     • New MIB structure tables
>   • MIB proposal
>     • Re-root to IEEE OID
>     • PBB-MIB in .1ah
>     • New modules – TC, PB, MSTP
>     • Reindexed modules – BRIDGE, P-BRIDGE, Q-BRIDGE, RSTP
# Full MIB proposal & clause structure

<table>
<thead>
<tr>
<th>Module</th>
<th>subclause</th>
<th>802.1 project</th>
<th>Notes</th>
</tr>
</thead>
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<tr>
<td>TC MIB</td>
<td>17.5.1</td>
<td>-</td>
<td>textual conventions for all modules</td>
</tr>
<tr>
<td>BRIDGE MIB</td>
<td>17.5.2</td>
<td>802.1D</td>
<td>Adapted from RFC 4188</td>
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<tr>
<td>RSTP-MIB</td>
<td>17.5.3</td>
<td>802.1w</td>
<td>Adapted from RFC 4318</td>
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<td>P-BRIDGE MIB</td>
<td>17.5.4</td>
<td>802.1p &amp; 802.1t</td>
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<td>Q-BRIDGE MIB</td>
<td>17.5.5</td>
<td>802.1Q &amp; 802.1u &amp; 802.1v</td>
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<td>PB-BRIDGE MIB</td>
<td>17.5.6</td>
<td>802.1ad</td>
<td>Initial version in 802.1ap</td>
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<td>MSTP MIB</td>
<td>17.5.7</td>
<td>802.1Q</td>
<td>Initial version in 802.1ap</td>
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<tr>
<td>CFM MIB</td>
<td>17.5.8</td>
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<td>PBB-BRIDGE MIB</td>
<td>17.5.9</td>
<td>802.1ah</td>
<td></td>
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</table>
802.1ap MIB Issues for discussion

> What is the IEEE OID root we will use?
  • ISO (1) ISO org (3) IEEE (111) IEEE 802 (xxx) 802.1Q (xxx)
  • iso std(0) iso8802(8802) ieee802dot1(1) ieee802dot1mibs(1) xxx

> This proposal has the Textual Conventions (TC) in a separate module to simplify cross-module importing.

> The TC module is IEEE OID rooted, thus consolidating all IEEE 802.1 objects in these modules. As a result, there are no TC imports from the IETF Bridge MIBs.

> Can we delete some of the legacy features contained in the IETF MIBs? For example, from Q-BRIDGE:
  • ieee8021BridgeBaseType = transparent, sourceroute (removed)
  • ieee8021BridgeTpFdbTable - Transparent bridging FDB (left in)

> Request review revised conformance sections (especially in the BRIDGE MIB)

> Request suggestion of Clause 5 conformance text to allow choosing either RFC 4363 MIB or .1ap MIB for enterprise or other legacy systems.