

draft-perreault-opsawg-natmib-bis

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NAT-MIB

- RFC 4008
- Generic NAT MIB
- IPv4 and IPv6 support (NAT[46][46])
- Required by draft-ietf-behave-lsn-requirements
- Missing many features
- Missing features are currently implemented in various proprietary MIBs
 - This suggests a need for standardization

Missing Features (incomplete)

- DS-Lite
 - Sharing address pools between interfaces
- CGN
 - Per-subscriber state table indexing
 - Per-subscriber statistics
 - Per-pool statistics
 - Notifications for IP/port exhaustion, quota exceeded, etc.
 - Configurable limits and/or throttles for allocations
 - Low and a high thresholds in order to add more IP addresses or reclaim some if they are unused
- NAT64
 - Expose pref64 in MIB
 - Various semantics changes required
- PCP
 - Do we need anything?
- Various
 - Update to RFC 4787 terminology
 - Support protocols other than just TCP and UDP
 - Clarify existing traps
 - Add examples of DS-Lite, CGN, and NAT64 configurations

Proposals

- Add milestone to this working group's charter:
“Produce a revision of RFC 4008 taking into account recent developments such as DS-Lite, CGN, and NAT64.”
- Adopt draft-perreault-opsawg-natmib-bis as WG document for fulfilling the above.

BEHAVE? OPSAWG? V[46]OPS?

- If this WG is not the right place for this work, where should it go instead?