

NTP-MIB Review and Modifications

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Summary of Modifications

- Changed wording to refer to service instead of server
 - I want to make it clear that this MIB is for any use of NTP—server, client, etc.
- Added ntpSrvControl group and moved into it:
 - ntpSrvHeartbeatInterval
 - ntpSrvNotifBits
- Added ntpSrvStatusTime to some notifications

Summary of Modifications

- Modified ntpSrvStatusTime
 - Was a Counter64 object
 - Modified to be a 0 or 16 byte string containing the NTP 128-bit date format. Ref: draft-ietf-ntp-ntp4-proto-04, section 5
 - Might be better to be the 64-bit date format—dropping the top 32 bits of era and bottom 32 bits of precision that is unlikely to be of use in a SNMP context.
 - I left the Counter64 definition, but commented out, to show the complexity of defining the supporting objects.

To Do

- Modified ORGANIZATION and CONTACT-INFO
 - CONTACT-INFO still needs correct information
- Worked on ntpAssocIndex and ntpAssocID
 - still needs better descriptions
- Instrument a leap second object? Notification for leap seconds?
- Should ntpSrvTimeDistance be in the info group or status?

To Do

- Define TCs for types that might be useful elsewhere?
- Notification for when synced?
- Change conformance/compliance for different uses:
 - NTP clients only
 - SNTP clients