NTP-MIB Review and Modifications

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Summary of Modifications to MIB

• Changed wording to refer to entity instead of service, service instance, etc.

• Changed object names (Srv->Ent) to reflect the above change

• Changed:
  - ntpSrvStatusCurrentState to ntpEntStatusCurrentMode
  - ntpSrvStatusCurrentStateVal to ntpEntStatusCurrentModeVal
  - Mode represents the contents more accurately:
    • “not running”, etc.
Summary of Modifications to MIB

• Added association stratum object -> ntpAssocStratum

• Added Leap Second objects:
  – ntpEntStatusLeapSecond
  – ntpEntStatusLeapSecDirection
Summary of Modifications to Draft Text

- Changed RFC to Internet
- Changed wording to refer to entity instead of service, service instance, etc., as per the MIB
- Revised the security considerations as there are now read-write objects
- Added myself as a co-author
- Fixed some lines that were longer than 72 characters
To Do

• CONTACT-INFO still needs correct information
  – Proposed:
    WG Email: ntpwg@lists.ntp.isc.org
    Subscribe: https://lists.ntp.isc.org/mailman/listinfo/ntpwg

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To Do

● Define TCs for types that might be useful elsewhere?
  – Proposed:
    • Stratum TC
    • NTP time TC

● Notification for when synced?
  – Proposed:
    • change ntpEntNotifNotInSync to ntpEntNotifCurrentMode
    • Describe the notification as being triggered when ntpEntStatusCurrentMode changes mode, including initial and terminal mode changes
    • We could then eliminate:
      – ntpEntNotifEntityStarted
      – ntpEntNotifEntityStopped
To Do

- Change conformance/compliance for different uses:
  - NTP entities
    - All objects and notifications mandatory
  - SNTP entities
    - Only the following objects mandatory:
      - ntpEntSoftwareName,
      - ntpEntSoftwareVersion,
      - ntpEntSoftwareVersionVal,
      - ntpEntSoftwareVendor,
      - ntpEntSystemType,
      - ntpEntStatusEntityUptime,
      - ntpEntStatusTime,
      - ntpAssocName,
      - ntpAssocRefId,
      - ntpAssocAddressType,
      - ntpAssocAddress
    - All notifications optional