A YANG Data Model for NTP

draft-wu-ntp-ntp-cfg-02

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# Introduction

<table>
<thead>
<tr>
<th>Yang Data Model</th>
<th>Management of NTP demon – client and server</th>
<th>Configurations</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>NTP as per RFC 5905</td>
<td>State</td>
</tr>
<tr>
<td></td>
<td>Extensions</td>
<td>Most features of NTPv4 are covered</td>
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<td></td>
<td>New Author</td>
<td>Auto-key</td>
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<td>Yi Zhao, Ericsson</td>
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<td>Ankit, Dhruv (new recruits)</td>
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</tbody>
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Recent Changes

- **Non Standard Port**
  - Port leaf added

- **Authentication**
  - A list of ‘trusted’ keys
  - Auto-key

- **Association**
  - Handling of association-type

- **Interface**
  - Manycast etc
Non Standard Port

- New leaf for non-standard Port configuration
  - This leaf can enhance NTP security
Authentication

- A list of trusted keys
  - as there can be more than one trusted key
- New container for Auto-key
Association

• Association-type
  • Server
  • Peer
  • Pool

• Auto-Key Container
Interface

- Interface
  - Broadcast and multicast server is added in same container
    - as mode of operation is same (mode 5)
  - Added with auto-key configuration option
  - New container for manycast server and client
Next Step

- Some Open Issues
  - Need for NTP state enhancement for manageability, statistics etc

- Draft is ripe for WG Adoption.

- More reviews
  - Review comments are always welcome!
Thank You!