

NETCONF System Management

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Agenda

- Module Scope Review
- Changes to YANG Module
- Mailing List Issues
- Next Steps

Module Scope

- system administrative data configuration
- system identification monitoring
- system time-of-day configuration and monitoring
- user authentication configuration
- local users configuration

New or Changed Objects

- **/system/clock/timezone-name**
 - Added typedef timezone-name and changed type from unconstrained string to enumeration of timezone abbreviations
- **/system/ntp/ntp-server**
 - Now an ordered-by user list
- **/system/ntp/ntp-server/enabled**
 - Configuration leaf to enable or disable use of the specific NTP server

New or Changed Objects (2)

- `/system/dns/*`
 - Added description statements
- `/system/radius`
 - 'radius' container moved up 1 level from `/system/authentication/radius`
 - Renamed leaf 'port' to 'authentication-port'
- `/system/authentication/user-authentication-order`
 - Changed must statement to account for radius move⁵

Timezone Issue

Andy Bierman (2012-03-12)

- **timezone-name enumeration**
 - Some enums have duplicate values (e.g., IST)
 - ```
enum IST {
 description
 "Indian Standard Time UTC+05:30";
}
enum IST-2 {
 description
 "Irish Summer Time UTC+01";
}
enum IST-3 {
 description
 "Israel Standard Time UTC+02";
}
```

# Timezone Issue (2)

- Should timezone-name be removed because not all well-known abbreviations can be used?
- Is this mode really needed, since timezone-location (TZ database) more prevalent and no duplicates?
- If kept, should timezone-enum be changed?

# Auto-configure

Jeff Lange (2012-03-12)

- How do you envision the DNS and NTP settings being used in a situation where these values are being obtained from a DHCP server?
- Would a read of these values reflect an admin or an operational state?
- Should there be some way of specifying that the values should be obtained from DHCP vs a static configuration?



# Auto-configure (2)

Randy Presuhn (2012-03-17)

- 1) Configuring whether a particular mechanism should try to obtain a given piece of configuration information. This seems to be part of the configuration of that mechanism, since it's not necessarily configurable for all mechanism.

# Auto-configure (3)

- 2) Configuring whether that configuration information, once obtained by a particular mechanism, should be used. Beyond a simple enable / disable of the use of a particular mechanism, which might be reasonably modeled in the configuration of that mechanism...

# Auto-configure (4)

- Should operational state for NTP servers be added? If so, how much?
- Should more configuration objects for various NTP options be added?
- Should more configuration objects for IPv6 be added?
- Which module should contain the new objects, if any are added for auto-configuration?

# Next Steps

- What objects still need to be added?
- Are there enough people willing to review this document?
- Are there people interested in implementing this module?
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