

NETCONF System Management

draft-bierman-netmod-system-mgmt-01
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Agenda

- YANG Module Overview
- Next Steps

Module Scope

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

Objects (1)

- system
 - contact
 - name
 - location
 - platform (read-only) [references corrected]
 - os-name, os-release, os-version, machine, nodename

Objects (2)

- system
 - clock
 - current-datetime, boot-datetime (read-only)
 - timezone-info [features and objects renamed]
 - timezone-location
 - timezone-name
 - timezone-utc-offset

Objects (3)

- system
 - ntp
 - use-ntp
 - ntp-server
 - address
- Issues:
 - NTP client only or client and server?
 - separate [sub]module for server?
 - monitoring objects?

Objects (4)

- system
 - dns
 - search
 - server
 - options
 - timeout
 - attempts

Objects (5)

- system
 - authentication [text sections updated]
 - user-authentication-order
 - radius
 - server
 - address
 - port
 - shared-secret
 - options
 - timeout
 - attempts

Objects (6)

- system
 - authentication
 - user
 - name
 - password
 - ssh-dsa
 - ssh-rsa

RPC Operations

- set-current-datetime
- system-restart
 - new restricted operation
- system-shutdown
 - new restricted operation

Next Steps

- Decide whether system management module is needed
- Decide to standardize common mechanisms or decide to accommodate every vendor solution, or something in between
- Determine interest in WG to write, review, and implement this module
- Determine best module/submodule structure for this functionality