

# A YANG Data Model for NTP

draft-wu-ntp-ntp-cfg-01

IETF-94

Anil Kumar S N

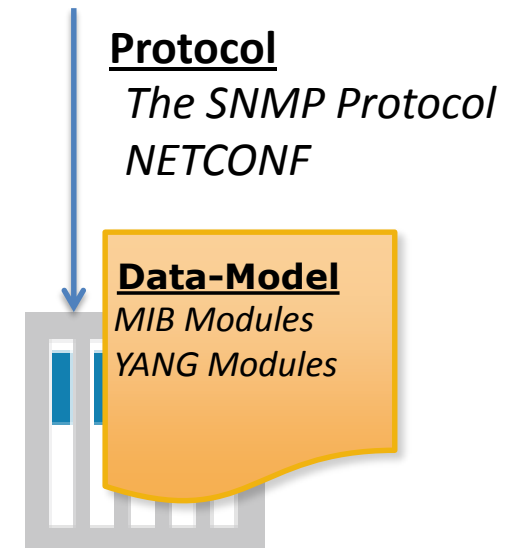
Wu Nan

# Agenda

- NTP Yang really needed
- Why it makes sense
- Where will it fit
- Conclusion

# NTP Yang really needed ?

- YANG is written for NETCONF and network management & works like an API
- Readability, sufficient flexibility,
- extensibility, hierarchical & etc...
- YANG is work output for RFC 3535  
“Overview of the 2002 IAB Network Management Workshop”
- NTP needs a standard yang model



# Why it makes sense

- Technical Presentation for NTP yang is discussed extensively in IETF-92  
<https://www.ietf.org/proceedings/92/slides/slides-92-ntp-3.pdf>
- Goal is to define a standardized YANG data model of Network Time Protocol
- SNMP had failed For configuration, i.e., Extensive use in fault handling and monitoring
- CLI scripting “Market share” 70%+

# Where will it fit

- Network-wide transactions
- Applying and testing a configuration
- Rollback when device goes down
- Transactions requiring all devices to be up
- Backlogging transactions
- Synchronizing

# Conclusion

There is a need to standardize the Yang data model for NTP

NTP working group community support/suggestion/coments is much needed.

# Thanks