YANG Model for Transmission Control Protocol (TCP) Configuration

draft-ietf-tcpm-yang-tcp-00

Michael Scharf
Vishal Murgai
Mahesh Jethanandani

Nov 13, 2020
IETF 109, Virtual
Updates in -00

- -00 is WG document
  - No change from the individual draft
Updates between -00 & -01

• Addresses comments received
  • ‘include-tcp-options’ vs ‘ignore-tcp-options’
    • See next slide
  • ‘accept-ao-mismatch’ vs ‘accept-key-mismatch’
  • Adding a complete tree diagram

• Adding IETF copyright statement to the model

• TCP-AO
  • Additional reference for keychains (RFC 8177)
  • Example for configuration of TCP-AO
    • From draft-touch-tcpm-ao-test-vectors

• Security Considerations section has been updated
'include-tcp-options’

• RFC 7950 says the following for default value of a leaf
  The default value of a leaf is the value that the server uses if the leaf does not exist in the data tree.

• Consensus seems to be around setting the node to ‘default true’

• Rename ‘include-tcp-options’?
  • ‘include’ might be a keyword in YANG, but its meaning here is different and clear
  • To what? ‘options-covered-by-mac’?
Next Steps

• Possible implementation in Linux
• Will present the results of the implementation in this WG