

802.3 YANG Effort in the Industry

A comparison of IEEE and
OpenConfig Models

Comparison

- IEEE
 - module: ethernet
 - augment /if:interfaces/if:interface:
 - +--rw ethernet
 - +--rw (transmission-mode)?
 - +--:(auto-negotiation)
 - | +--rw auto-negotiation
 - | +-rw status? enumeration
 - | +-rw duplex? enumeration
 - | +-rw speed? identityref
 - | +-rw advertised-flow-control? enumeration
 - | +-rw forced-flow-control? flow-control-settings
 - +--:(manual)
 - +--rw manual
 - +--rw duplex? enumeration
 - +--rw speed? identityref
 - +--rw flow-control? flow-control-settings
 - augment /if:interfaces-state/if:interface:
 - +--ro ethernet
 - +--ro auto-negotiation!
 - | +--ro status? enumeration
 - +--ro duplex? enumeration
 - +--ro speed? uint64
 - +--ro flow-control? flow-control-settings
 - OpenConfig
 - module: openconfig-if-ethernet
 - augment /oc-if:interfaces/oc-if:interface:
 - +--rw ethernet
 - +--rw config
 - | +--rw mac-address? yang:mac-address
 - | +--rw auto-negotiate? boolean
 - | +--rw duplex-mode? enumeration
 - | +--rw port-speed? identityref
 - | +--rw enable-flow-control? boolean
 - +--ro state
 - +--ro mac-address? yang:mac-address
 - +--ro auto-negotiate? boolean
 - +--ro duplex-mode? enumeration
 - +--ro port-speed? identityref
 - +--ro enable-flow-control? boolean
 - +--ro hw-mac-address? yang:mac-address
 - +--ro effective-speed? uint32
 - +--ro counters
 - +--ro in-mac-control-frames? yang:counter64
 - +--ro in-mac-pause-frames? yang:counter64
 - +--ro in-oversize-frames? yang:counter64
 - +--ro in-jabber-frames? yang:counter64
 - +--ro in-fragment-frames? yang:counter64
 - +--ro in-8021q-frames? yang:counter64
 - +--ro in-crc-errors? yang:counter64
 - +--ro out-mac-control-frames? yang:counter64
 - +--ro out-mac-pause-frames? yang:counter64
 - +--ro out-8021q-frames? yang:counter64