A YANG Data Model for Routing Management (NDMA Version)
draft-ietf-netmod-rfc8022bis-01

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RFC 8022 BIS History

• Stated with new module names for NDMA modules (e.g., ietf-routing-2)

• Goal was clean split from RFC 8022 versions of models that weren’t widely implemented and deployed

• Consensus was to retain original module names for backward compatibility and traceability to RFC 8022
  • Refer to “New YANG Module Update Procedure” draft-clacla-netmod-yang-model-update-02.txt for a discussion of the problems associated with renaming the NDMA version.

• Redundant state tree were obsoleted rather than deprecated
  • Less implementation effort for servers implementing NDMA modules for the first time.
Tree Comparison

```
+-rw routing
  +--rw router-id?        yang:dotted-quad
  +--ro interfaces
    |  +--ro interface*   if:interface-ref
  +--rw control-plane-protocols
    |  +--rw control-plane-protocol* [type name]
    |    +--rw type           identityref
    |    +--rw name           string
    |    +--rw description?   string
    |    +--rw static-routes
    |       |     +--rw v4ur:ipv4
    |       |     |     ...        
    |       |     +--rw v6ur:ipv6
    |       |     ...        
  +--rw ribs
    +--rw rib* [name]
      +--rw name           string
      +--rw address-family? Identityref
        +--rw description?   string
      +--ro default-rib?     boolean {multiple-ribs}?
      +--ro routes
        |  +--ro route*        
        |  ...        
```
This draft obsoletes RFC 8022

• Obsolete State Data

  ietf-routing.yang
  container routing-state {
    status obsolete;
    ....
  }

  ietf-ipv4-unicast-routing.yang
    status obsolete;
    ....
  }

  ietf-ipv6-unicast-routing.yang
    status obsolete;
    ....
  }

  ietf-ipv6-router-advertisements.yang
  augment "/if:interfaces-state/if:interface/ip:ipv6" {
    status obsolete;
    ....
  }
Next Steps

• Collect/address comments
  • Versioning for imports?
• Updates based on RFC6087 BIS
• WG Last Call soon
Question?

Thank You