Routing Area Yang Design Team

Status Update

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Status Update

2 Standards Track Models (rtgwg)

- Logical Network Element (draft-ietf-rtgwg-lne-model)
- Network Instance (draft-ietf-rtgwg-ni-model)

1 Informational Meta Model (rtgwg)

- Network Device YANG Organizational Model
  (draft-rtgyangdt-rtgwg-device-model)

Conventions

Assist with other Work

Possible classification extensions

Conventions

- Common types e.g., Router ID.
- Common names or abbreviations - "acl", "policy", etc.
- Common constructs?
- key: "Common"

Assist with other Work

- Schema mount.
- Opstate.

Possible classification extensions

- Hashtags #routing #igp #linkstate #isisospfBFF

- Another way to have advantages of structure.

Before: Device Model

```
module: ietf-network-device
   +--rw modules-state
   +--rw system-management
   +--rw network-services
   |  +--rw netconf server
   |  +--rw restcof server
   |  +--rw syslog server
   |  ...
   |
   +--rw routing
   |  +--rw control protocols
   |     +--rw isis
   |     +--rw ospf
   |     +--rw rsvp
```

After: Flat Model With Tags

```
+  <-- root
|
+--rw syslog [ #netowork-services #...? ]
+--rw netconf-server [ #network-services
|                     #yang-server ]
+--rw restconf-server [ #network-services
|                      #yang-server ]
+--rw isis [ #control-plane-protocol
|            #routing-protocol
|            #igp ]
+--rw ospf [ #control-plane-protocol
|            #routing-protocol
|            #igp ]
+--rw rsvp [ #control-plane-protocol
|            #lsp-setup-protocol ]
```

Possible classification extensions

Where do the tags live?

- In the module
- In an instance
- In the yang library (on the device)
- In a catalog (in the network)

Who tags modules?

- Authors
- Augmentors
- Users

Comments/Questions?

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