YANG Schema Mount

draft-ietf-netmod-schema-mount-09

IETF 101

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Changes from -08

- Removed the `/schema-mounts/schema` subtree.

- Removed the `use-schema` method, that had a reference to `/schema-mounts/schema`.

- Introduced the `shared-schema` method, which has the same semantics as `use-schema`, but a different syntax:

  - In both the `inline` and `shared-schema` methods, the YANG library is made available under the mount point.

  - For `shared-schema`, all these YANG library instances MUST be the same.

  - `parent-reference` is used for `shared-schema`

The Data Tree

```
+--ro schema-mounts
   +--ro namespace* [prefix]
   |  +--ro prefix    yang:yang-identifier
   |  +--ro uri?      inet:uri
   +--ro mount-point* [module label]
      +--ro module                  yang:yang-identifier
      +--ro label                   yang:yang-identifier
      +--ro config?                 boolean
      +--ro (schema-ref)
         +--:(inline)
         |  +--ro inline!
         +--:(shared-schema)
            +--ro shared-schema!
               +--ro parent-reference*   yang:xpath1.0
```

More Details

- The document allows any version of YANG library to be used under a mount point. A pre-NMDA server can use the 7895 library, and an NMDA server can use YL-bis.

- The `inline` and `shared-schema` cases are now presence-containers, rather than empty leafs.

- The LNE and NI documents do not have to change significantly (the old term `use-schema` is changed to `shared-schema`, and examples have to be update to show the schema under the mount point rather than at the top level).