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).