
YANG Schema Mount

draft-ietf-schema-mount-05

Martin Björklund

<mbj@tail-f.com>

Ladislav Lhotka

<lhotka@nic.cz>

22 May 2017

Parent Tree References

For each mounted schema defined using the use-schema method, the *parent-reference* leaf-list may contain XPath references to nodes in the parent data.

For every XPath evaluation within the mounted tree, nodes that currently exist in the parent tree are added to the accessible tree.

Example: [BEWARE – example in A.3 is obsolete]

```
"ietf-yang-schema-mount:schema-mounts": {
  "namespace": [
    { "prefix": "if",
      "ns-uri": "urn:ietf:params:xml:ns:yang:ietf-interfaces"
    }
  ]
  "mount-point": [
    { "module": "ietf-network-instance",
      "name": "root",
      "parent-reference": ["/if:interfaces"],
      "use-schema": [ { "name": "ni-schema" } ]
    }
  ],
  ...
}
```

Withdrawn Open Issues

Virtually no support in the WG for the following changes:

1. Reference mount points with schema node identifiers
2. Define **mount-point** extension in a separate module

Active Open Issues

1. RPC operations & notifications in mounted modules

RFC 7950 doesn't allow actions and notifications defined inside keyless lists, so turning RPCs/notifications into actions/notifications attached to the mount point is not possible if the mount point is inside a keyless list.

2. Representing mount points in the ASCII tree

3. Design-time mounts

Specify the mounted schema in YANG as a part of mount point definition.