

Interface configuration

draft-ietf-netmod-interfaces-cfg-02

draft-ietf-netmod-iana-if-type-01

draft-ietf-netmod-ip-cfg-01

IETF 82

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Changes from last IETF

- draft-ietf-netmod-interfaces-cfg-02 and draft-ietf-netmod-iana-if-type-01 are in WGLC (ends Nov 21)
- Mostly clarifying and editorial comments so far.
- One technical issue. In the “interface” list:

```
// currently: (also used in nacm and routing)
leaf enabled {
    type boolean;
    default "true";
}
```

```
// proposed:
leaf disabled {
    type empty;
}
```

- Prefer consistency.

draft-ietf-netmod-ip-cfg

Open Issues 1(4)

- Should we add parameters for configuring the default source address to use for packets from an interface, and for packets from an interface for a specific subnet?
- Seems that different vendors use different (overlapping) names for these concepts, and not all vendors support both concepts (?)
- So maybe it is best to stay out of this and leave it to vendors to figure it out?
- OTOH, since it is currently unclear, maybe this is a good reason to try to standardize?

Open Issues 2(4)

- Make “ipv6” a presence container? If present, ipv6 would be enabled on the interface, and the address autoconfiguration process would run. Do we need an explicit parameter to turn off autoconfiguration?

```
// For example:
```

```
leaf advertisement-max-interval {  
    if-feature ipv6-router;  
    type uint32 {  
        range 4..1800;  
    }  
    units seconds;  
}
```

Open Issues 3(4)

- RFC 4862 (Stateless Address Autoconfiguration) also defines one such conceptual variable, REQUIRED for all nodes. Should we add this?

A node MUST allow the following autoconfiguration-related variable to be configured by system management for each multicast-capable interface:

`DupAddrDetectTransmits`

Open Issues 4(4)

- RFC 4861 (Neighbor Discovery) defines a set of conceptual variables that **MUST** be configurable by a router, used in outgoing Router Advertisement messages. These variables are also writable in IP-MIB. Should we add them?

```
// For example:
```

```
leaf advertisement-max-interval {  
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    }  
    units seconds;  
}
```