draft-ietf-netconf-udp-client-server-06

Two YANG 1.1 modules to support the configuration of UDP clients and UDP servers

A. Huang Feng, INSA-Lyon P. Francois, INSA-Lyon K. Watsen, Watsen Networks

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Groupings (No changes since -05)

Client Server

```
module: ietf-udp-client
                                                                   module: ietf-udp-server
 grouping udp-client:
                                                                      grouping udp-server:
   +-- remote-address
                         inet:host
                                                                        +-- local-bind* [local-address]
   +-- remote-port?
                         inet:port-number
                                                                           +-- local-address
                                                                                                 inet:ip-address
   +-- local-address?
                         inet:ip-address {local-binding}?
                                                                           +-- local-port?
                                                                                                 inet:port-number
   +-- local-port?
                         inet:port-number {local-binding}?
```

To be used

- configuring a UDP client and UDP server
- standalone or with other protocols

Note:

we removed "-grouping" and "-supported" suffixes (as requested by the WG)

Status

- WGLC ended 20th February (closed already)
- Thanks to Thomas, Benoit, Med, Andy, Mahesh and Rob for the review and comments during the WGLC
- Changes:
 - Editorial changes (+ add consistency with RFC 9643 [TCP groupings])
 - Server grouping: explicit that the remote-address and local-address must be part of the same address family
 - New section with "Adherence to NMDA"
 - Security Considerations updated with latest I-D.ietf-netmod-rfc8407bis template
- Ready for next steps (but got a last-minute discussion :))

One last discussion with Rob

- With the current implementation, the server cannot have a 'local-address' bound to multiple 'local-port's
 - Reason: only 'local-address' is present on the 'local-bind' key
 - Note this is implemented similarly in TCP server grouping
 - Was discussed on the ML [1]
- Question to the WG:
 - Is this a valid use case?

Current iteration

```
module: ietf-udp-server

grouping udp-server:
    +-- local-bind* [local-address]
    +-- local-address inet:ip-address
    +-- local-port? inet:port-number
```

Discussed on the ML

```
module: ietf-udp-server

grouping udp-server:
+-- local-bind* [local-address local-port]
+-- local-address inet:ip-address
+-- local-port inet:port-number
```

One last discussion with Rob

- A way to fix this is changing local-port to a 'leaf-list' instead of a 'leaf'
- We should decide and move on (poll?):
 - Option A: without changes
 - Option B: 'local-port' as a leaf-list

Current iteration

```
module: ietf-udp-server

grouping udp-server:
    +-- local-bind* [local-address]
    +-- local-address inet:ip-address
    +-- local-port? inet:port-number
```

Proposal

```
module: ietf-udp-server

grouping udp-server:
    +-- local-bind* [local-address]
    +-- local-address inet:ip-address
    +-- local-port* inet:port-number
```

BACKUP

Changes on -03 and -04

OLD


```
module: ietf-udp-server

grouping udp-server-grouping:
    +-- local-bind* [local-address]
    +-- local-address inet:ip-address
    +-- local-port? inet:port-number
```

NEW

```
module: ietf-udp-server

grouping udp-server:
    +-- local-bind* [local-address]
    +-- local-address inet:ip-address
    +-- local-port? inet:port-number
```