

YANG Groupings for UDP Clients and UDP Servers

draft-ietf-netconf-udp-client-server-04/05

Two YANG 1.1 modules

to support the configuration of UDP clients and UDP servers

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Grouping

Client

```
module: ietf-udp-client

grouping udp-client:
  +-- remote-address      inet:host
  +-- remote-port?       inet:port-number
  +-- local-address?     inet:ip-address {local-binding}?
  +-- local-port?        inet:port-number {local-binding}?
```

Server

```
module: ietf-udp-server

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

To be used

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

YANG Groupings for UDP Clients and UDP Servers

ML Discussions

- Thanks to Thomas, Benoit, Med, Qin, Kent and Andy for reaching out on the ML
- Default port 0 on the groupings or not? (Discussed on the AUTH48 of tcp-client-server-groupings draft)
 - Client:
 - Removed statement on remote-port
 - Default port 0 on the local-port (port 0 indicates that any available port may be used)
 - Server:
 - Removed statement on the local-port
- Editorial changes
 - Mimick “comments” from tcp-client-server draft
 - Removed “-grouping” from both groupings
 - Removed “-supported” from the feature “local-binding”

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Changes on -03 and -04

OLD

```
module: ietf-udp-client
```

```
grouping udp-client-grouping:
  +-- remote-address      inet:host
  +-- remote-port?       inet:port-number
  +-- local-address?     inet:ip-address {local-binding-supported}?
  +-- local-port?        inet:port-number {local-binding-supported}?¶
```

```
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-client
```

```
grouping udp-client:
  +-- remote-address      inet:host
  +-- remote-port?       inet:port-number
  +-- local-address?     inet:ip-address {local-binding}?
  +-- local-port?        inet:port-number {local-binding}?
```

```
module: ietf-udp-server
```

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

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Open points

- Moving UDP-DTLS groupings from draft-andersson-netconf-quic-client-server to draft-ietf-netconf-udp-client-server?

```
grouping quic-client:  
+---u tlsc:tls-client-grouping  
|   {tlscmn:tls13 and not tlscmn:tls12}?  
+---u udpc:udp-client
```

```
grouping quic-server:  
+---u tlss:tls-server-grouping  
|   {tlscmn:tls13 and not tlscmn:tls12}?  
+---u udps:udp-server
```

- Question:
 - What is the general opinion on moving these grouping to udp-client-server?
 - If they should be moved, which ones should be defined?
 - UDP client with TLS1.2 only
 - **UDP client with TLS1.3 only ← defined in I-D.andersson-netconf-quic-client-server**
 - UDP client with both TLS 1.2/1.3
 - UDP server with TLS1.2 only
 - UDP server with TLS1.3 only
 - UDP server with both TLS 1.2/1.3