draft-ietf-netconf-udp-client-server-00/01

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Context

- Based on UDP-notif draft feedback
 - Interest on having a dedicated draft for generic UDP groupings
- Definition of Generic Groupings for UDP clients and servers
 - UDP client
 - UDP DTLS client
 - UDP server
 - UDP DTLS server
- To be used standalone or in combination with other protocol stacks
- Status: WG Adopted!
- Special thanks for the comments to Benoit Claise, Mohamed Boucadair, Qiufang Ma and Qin Wu

UDP client and UDP server groupings

```
module: ietf-udp-server

grouping udp-server-grouping:
+-- local-address inet:ip-address-no-zone
+-- local-port? inet:port-number

module: ietf-udp-client

grouping udp-client-grouping:
+-- remote-address inet:ip-address-no-zone
+-- remote-port? inet:port-number
```

Observations for the YANG groupings:

- IP-address defined as ip-address-no-zone (feedback from UDP-notif)
- Port not mandatory anymore; Default port "0".

Changes on the draft:

- Security Considerations follows https://wiki.ietf.org/group/ops/yang-security-guidelines

UDP client grouping vs TCP client grouping

UDP client:

- IP-address defined as **ip-address-no-zone**
- Port

TCP client:

- IP-address defined as **host** (allowing IPv4, IPv6 and hostnames)

inet:host

inet:port-number

inet:port-number

inet:ip-address

- Port
- Local address as ip-address
- Local port

<u>Impact</u>:

- UDP-notif draft: conservative **ip-address-no-zone**
- UDP-notif draft: protocol for "limited domains", no needs for **hostname**

Open issues

- Server supporting dual stack
 - Not managed by TCP client-server draft
 - Open to suggestions and contributions
- Welcoming new feedback to improve the document