UDP-based Transport for Configured Subscriptions
Draft-ietf-netconf-udp-notif-09

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Draft-ietf-netconf-udp-notif-09
Agenda

- Diffs between -08 and -09
- Working Group Last Call?

Draft-ietf-netconf-udp-notif-09
Changes between -08 and -09

- UDP-notif message unicity was clarified in the Observation-Domain-ID and Message-ID description (Section 3.1)
    - If Observation-Domain-ID unicity is not assured in the collection domain, source IP SHOULD be used in addition to the Observation-Domain-ID to preserve the unicity
    - Message-ID sequence is per Observation-Domain-ID

Feedback from Benoit Claise & Rob Wilton
- Change Observation-Domain-ID name to not confuse it with IPFIX definition
    —> Changing this name impact greatly draft-ietf-netconf-distributed-notif
    —> Removed all IPFIX references —> remove draft-ietf-netconf-notification-messages ref from the definition
    —> Observation-Domain-ID is defined in draft-ietf-netconf-distributed-notif

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Changes between -08 and -09

- Messages with unordered options MAY be dropped
- Changes in the YANG module
  - "address" leaf : ip-address —> ip-address-no-zone
  - Followed HTTPS-notif structure for consistency
  - Prefix changed to "unt" for UDP-notif Transport
- Added examples
  - Example for UDP-notif transport without DTLS
  - Example for UDP-notif transport with DTLS
  - Example of how a message is encoded in JSON

```
module: ietf-udp-notif-transport

  augment /sn:subscriptions/snr:receiver-instances
          /snr:receiver-instance/snr:transport-type:
    +--:(udp-notif)
       +--rw udp-notif-receiver
          +--rw address                inet:ip-address-no-zone
          +--rw port                   inet:port-number
          +--rw enable-segmentation?   boolean {segmentation}?
          +--rw max-segment-size?      uint32 {segmentation}?
          +--rw dtls! {dtls-supported}?
             +--rw client-identity!
             |  +--rw (auth-type)
             |     +--:(certificate) {client-ident-x509-cert}?
             |     |     ...
             |     +--:(raw-public-key) {client-ident-raw-public-key}?
             |     |     ...
             |     +--:(tls13-epsk) {client-ident-tls13-epsk}?
             |           ...
             +--rw server-authentication
             |  +--rw ca-certs! {server-auth-x509-cert}?
             |  |  +--rw (local-or-truststore)
             |  |     ...
             |  +--rw ee-certs! {server-auth-x509-cert}?
             |  |  +--rw (local-or-truststore)
             |  |     ...
             |  +--rw raw-public-keys! {server-auth-raw-public-key}?
             |  |  +--rw (local-or-truststore)
             |  |     ...
             |  +--rw tls13-epsks?        empty
             |        {server-auth-tls13-epsk}?
             +--rw hello-params {tlscmn:hello-params}?
             |  +--rw tls-versions
             |  |  +--rw tls-version*   identityref
             |  +--rw cipher-suites
             |     +--rw cipher-suite*   identityref
             +--rw keepalives {tls-client-keepalives}?
                +--rw peer-allowed-to-send?   empty
                +--rw test-peer-aliveness!
                   +--rw max-wait?        uint16
                   +--rw max-attempts?    uint8
```

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Next steps

- All issues has been addressed
- WGLC?

Subscription to Distributed Notifications
draft-ietf-netconf-distributed-notif-06

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Draft-ietf-netconf-distributed-notif-06

- Requirements language updated
- Change the Observation-Domain-ID to integers instead of String

```
9.  YANG Tree

   module: ietf-distributed-notif
     augment /sn:subscriptions/sn:subscription:
       +--ro message-observation-domain-id*    string
     augment /sn:subscription-started:
       +--ro message-observation-domain-id*    string
     augment /sn:subscription-modified:
       +--ro message-observation-domain-id*    string
     augment /sn:establish-subscription/sn:output:
       +--ro message-observation-domain-id*    string
```

```
9.  YANG Tree

   module: ietf-distributed-notif

     augment /sn:subscriptions/sn:subscription:
       +--ro message-observation-domain-id*    uint32
     augment /sn:subscription-started:
       +--ro message-observation-domain-id*    uint32
     augment /sn:subscription-modified:
       +--ro message-observation-domain-id*    uint32
     augment /sn:establish-subscription/sn:output:
       +--ro message-observation-domain-id*    uint32¶
```

Draft-ietf-netconf-distributed-notif-06
Next steps

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Thanks !