

# Subscription to Distributed Notifications

## draft-unyte-netconf-distributed-notif-00

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# Agenda

- Motivation
- Solution overview
- Status
- What's next?

# Motivation

## Objective

- Publication of **massive amounts** of networking device data
- **High volume**, fine granularity
- **Enabling line cards to directly send out data**, need for low performance impact

## Applicability

- Distributed forwarding systems

□ Subscription to Distributed Notifications proposed

# Solution overview

## Subscriptions

- Can be used in conjunction with "UDP-based Transport for Configured Subscriptions" draft-unyte-netconf-udp-notif-00
- Describes how subscription can be composed among route-processor and processors on line cards in a distributed forwarding system.

## Transport

- Shares the same source IPv4/6 address
- Has a dedicated Layer4 port for each software process of the publisher
- Follows the same principle as in most IPFIX implementations

# Status

## Congestion control

- Congestion can be detected at the collector with "message-id" and "generator-id" for each publisher process.
- Re-transmission is out of scope

# What's next?

## WG DOC?

- A lot of re-writing were based on input from chairs and the working group feedback of IETF 103-105 (thanks !) to aim for simplicity and clarity.
- We think we got to the point where WG Doc call makes sense

Thanks !