# Efficient use of DMS based on traffic bandwidth: DOTS Telemetry use case

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## **Summary of Presentation**

- We carried out a PoC about efficient use of DMS based on traffic bandwidth.
- We assessed that DOTS telemetry spec, especially YANG module related toptalker & bandwidth, can be applied in the use case.

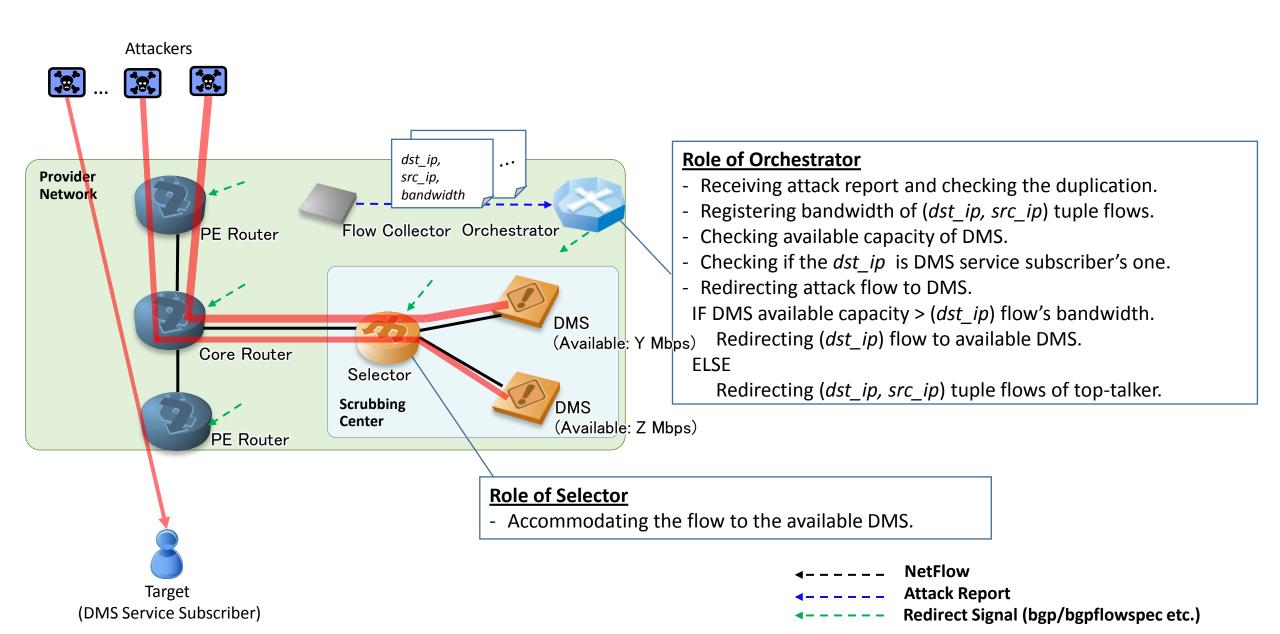
## Assumption

**Role of Flow Collector** Attackers - Detecting DDoS attack, target (*dst\_ip*) and attackers (list of *src\_ip*). - Reporting the (*dst\_ip, src\_ip*) tuple flows of attack with bandwidth. dst\_ip, ... Provider src\_ip, Network bandwidth Flow Collector Orchestrator PE Router' DMS 2 (Available: Y Mbps) Core Router Selector Scrubbing DMS Center (Available: Z Mbps) PE Router X Mbps (more than Y, Z Mbps) Target (DMS Service Subscriber)

<b></b>	NetFlow
<b></b>	Attack Report
<b></b>	Redirect Signal (bgp/bgpflowspec etc.)

#### **Use case Scenario**

#### \*PoC of this scenario was already done in our labs.



## **Assessment of DOTS Telemetry**

Theoretically, the YANG module related top-talker & bandwidth can be applied to the use case.

