IETF Hackathon –
IPFIX Exporter (SRv6 / On-path delay) w/eBPF

**IETF 117**
22-23 July 2023
**San Francisco, California**

I E T F

Hackathon Plan & What got done

Implemented IPFIX Functionalities in [Fluvia Exporter](#) Compliant with the Following I-Ds:

1. **COMPLETED:** Export the information of SRv6 header of incoming packets
   - Complies with [draft-ietf-opsawg-ipfix-srv6-srh-14](#)
   - Confirmed IPFIX format readability using Wireshark 4.1.0
   - Successful reception confirmed using nfacct

2. **WIP:** Decode the IOAM DEX Option-type format of timestamp with eBPF/XDP
   - Utilizes [draft-ahuang-ippm-dex-timestamp-ext-00](#)

3. **WIP:** Export the information of on-path delay of incoming packets
   - Complies with [draft-ietf-opsawg-ipfix-on-path-telemetry-04](#)

Fluvia Exporter: https://github.com/nttcom/fluvia
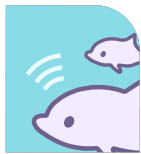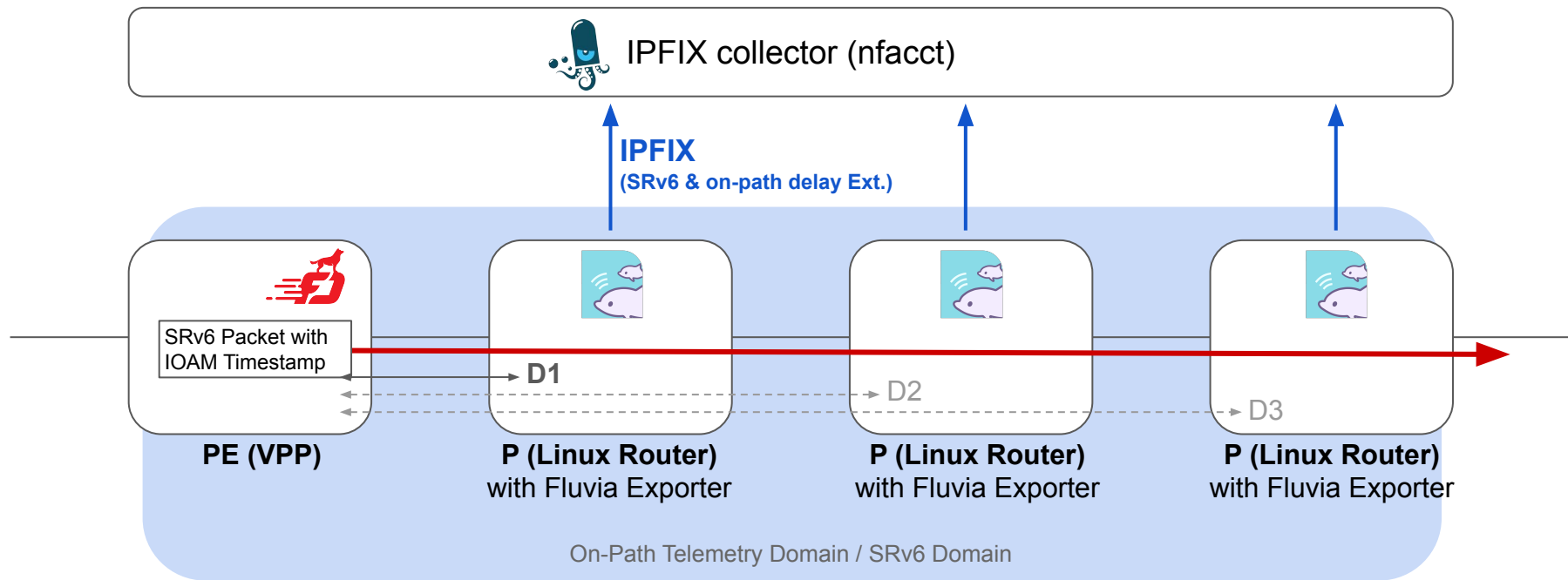
Wrap-up
- We implemented with eBPF so that it can be used as a generic IPFIX exporter used in Linux routers in our environment.
- interop test in ipfix-srv6-srh was success! :)

What we learned
- it's fun to go in and try to code something :)

Members
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