

OAM for Deterministic Networks with IP Data Plane

draft-ietf-detnet-ip-oam

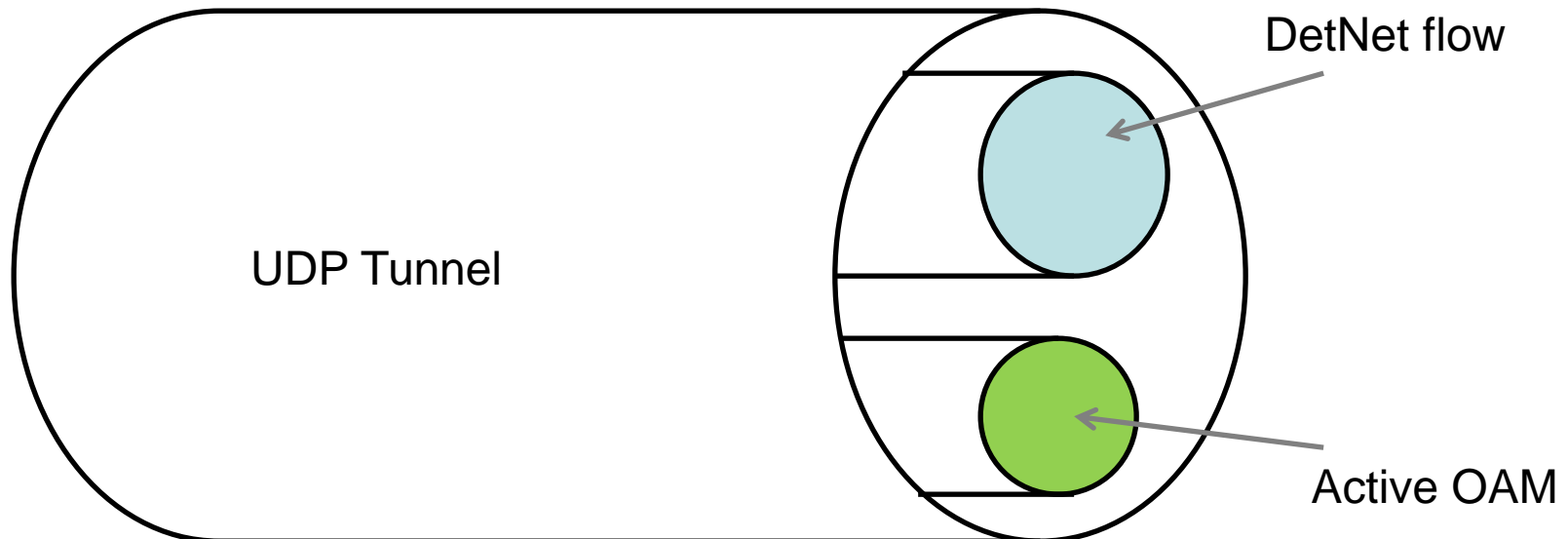
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Active DetNet IP OAM

- Recap active DetNet IP OAM using DetNet-in-UDP
- How active OAM for DetNet Service sub-layer in the DetNet IP environment can work?

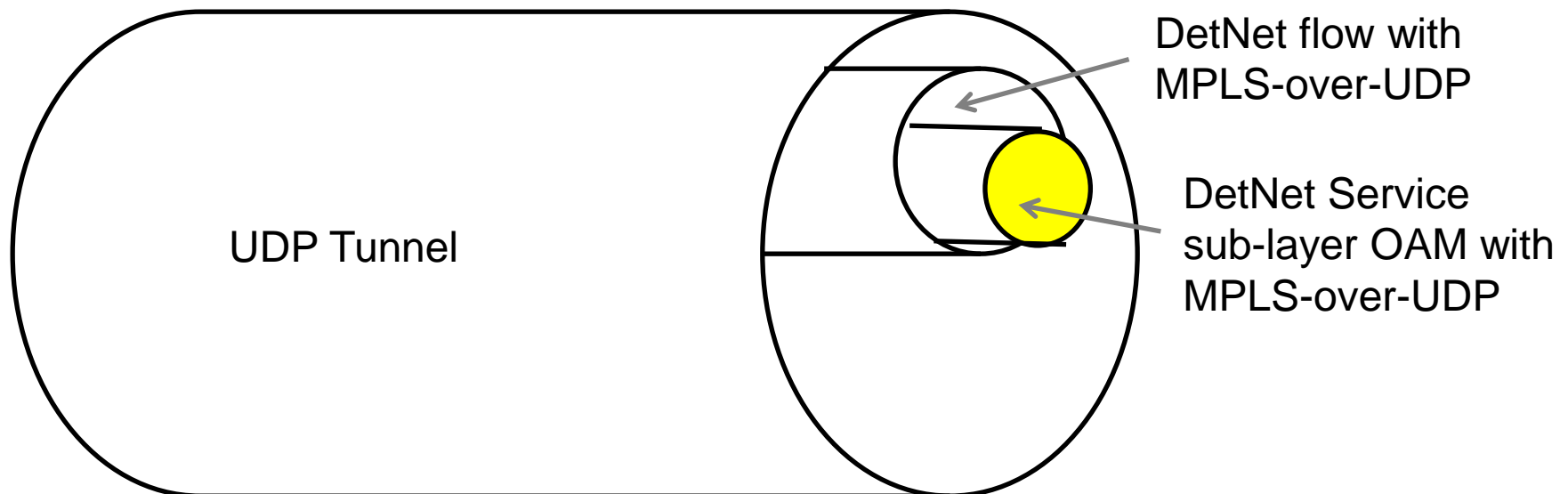
Active OAM using DetNet-in-UDP encapsulation

- An IP DetNet flow is encapsulated in UDP
- A DetNet-in-UDP tunnel between IP DetNet nodes ensures that active OAM test packets are fate-sharing with the packets of the monitored DetNet flow.

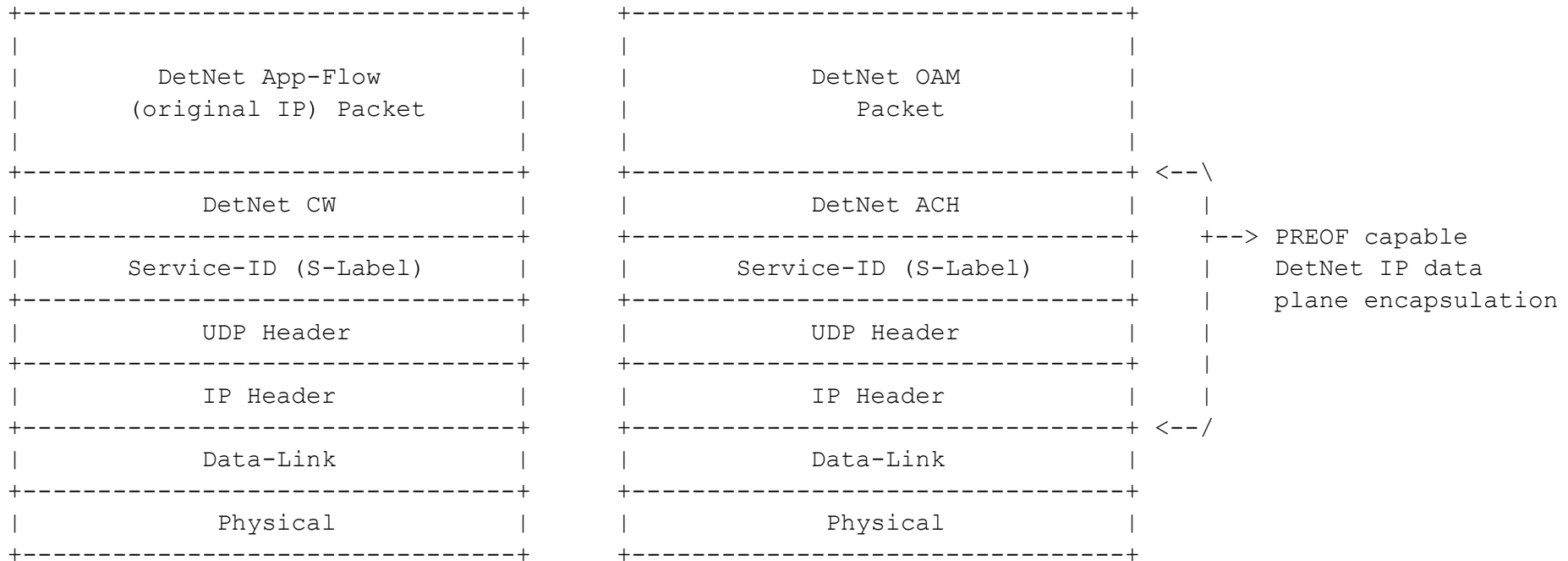


DetNet Service Sub-layer OAM using DetNet MPLS-over-UDP encapsulation

- draft-varga-detnet-ip-preof describes how the DetNet service sub-layer can be supported using MPLS-over-UDP [RFC 9025]
- DetNet Service sub-layer OAM MUST use the MPLS-over-UDP encapsulation to ensure it is in-band with the monitored the DetNet flow



DetNet Service sub-layer OAM



Next steps

- Your comments, suggestions, questions always welcome and greatly appreciated
- WG LC?

Thank you!