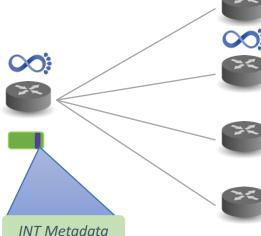
Barefoot Deep Insight Monitoring System

Enabled by **P** DataPlane Telemetry

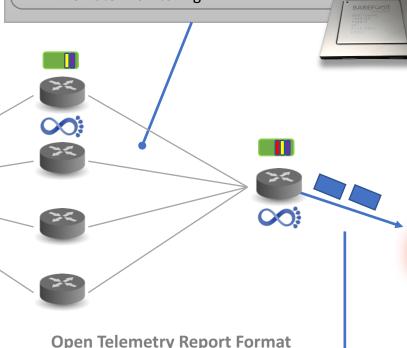
Answer for **Every** Packet...

- How did it get here?
- Why is it here?
- How long was it delayed?
- Why was it delayed?



Barefoot Data-Plane Telemetry

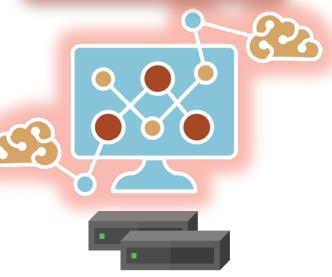
- In-Band Network Telemetry (INT.P4)
- **Intelligent Deduplication and Triggers**
- Line Rate Monitoring



Deep Insight Analytics Software

- **Real-time Anomaly Detection**
- **Machine Learning based Analytics**
- Modular Architecture
- Seamless Scale-out on Commodity Servers

Deep Insight **Open Northbound APIs**



defined by the P4.org **Applications Working Group**