

Demo Proposal: Barefoot Deep Insight

Daniel Alvarez, Bronson Duran, Avinash Herle, Changhoon Kim,
Keertan Kini, Robert Soulé, and Jonathan Stone

Barefoot Networks

1 Abstract

The Barefoot Networks Deep Insight Monitor provides real-time anomaly detection for networks with telemetry-enabled switches. Deep Insight provides answers to four fundamental questions about every packet in the network:

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

This demo will showcase how users can employ Deep Insight to monitor and visualize the sequence of devices the packet visited along its path; the set of rules it matched upon at every device along the way; the time it spent buffered in every switch, to the nanosecond; and the packets, flows and applications that the packet shared each queue with.

2 Presenters

Daniel Alvarez, Bronson Duran, Avinash Herle, Changhoon Kim, Keertan Kini, Robert Soulé, and Jonathan Stone from Barefoot Networks.