

Proposal

In this project, we want to implement a framework that is similar to **In-band Network Telemetry (INT)**, which allows the switch to embed information into data packets, and there is a traffic sink that can collect those data and give the real time feedback.

There are many different applications of INT. For example, the network can decide the routing path in the real-time by detecting the congestion, and the network can also collect the packet latency and report it to the user.

In this project, we want to let the monitor (1) reports the end-to-end latency along different paths between a pair of end-hosts, and (2) intelligently selects the routing path which has the smallest latency. We will