

Monitor Congestions in P4 switches

- ❑ Congestions cause packet drops and hurt tail latency despite efforts to avoid and mitigate
- ❑ Micro-bursts due to TCP incast are transient, hard to reproduce and analyze
- ❑ **Solution:** P4 switches report a snapshot of every packet arriving during congestion
 - Detect any congestion incidents and give full particulars of them
 - Tell who are attributing to the queue builds-up
- ❑ Stateful and stateless report suppression logics in P4