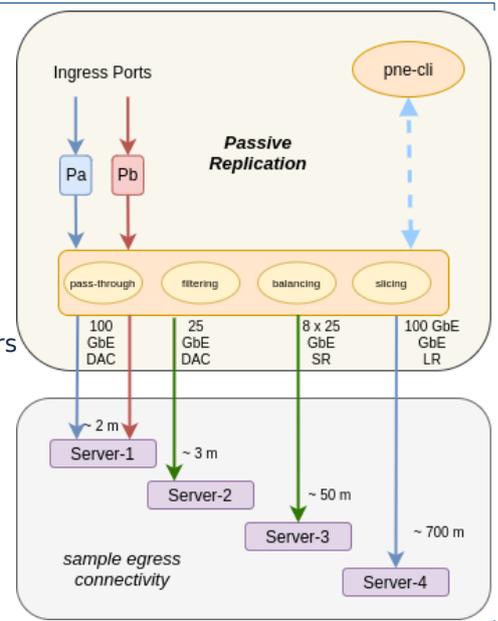


It can be tedious and expensive to mirror or tap links to supply to passive monitoring applications. This becomes even more so, when multiple consumers need separate copies of the passive traffic. The pne-replicator produces one or more copies of the link traffic and distributes the copies to various independent consumer applications. The pne-replicator can receive on Long Range optical modules (10,000 m) and copy to Short Range optical modules (100 m) or Direct Attached cables (5 m) depending on the proximity of some or all of its consumer applications which helps reduce the cost of replication. Egress links can be looped back or cascaded into another pne-replicator to apply different processes such as filtering, balancing or slicing, etc. An API allows for its integration into downstream statistics and management system.

features

- replicate one or two ports to two or more replication port groups
- copy simplex or full-duplex 25, 40 and 100 GbE ports
- choose egress connectivity according to needs:
 - QSFP28 or SFP28 Long Range ~ 10,000m
 - QSFP28 or SFP28 Short Range ~ 100m
 - 100 GbE Direct Attached Cable ~ 5m
 - 25 GbE Direct Attached Cable ~ 5m
- pre or post replication manipulation on single or cascaded pne-replicators
- CLI interface to control configuration and read statistics
- REST API for third party systems integration
- statistics - ports, packets, bytes, pcaps to InfluxDB and Grafana
- statistics for ports, ingress and egress traffic
- dual power supply, resilient restart



platforms

- BF2556X-1T-A1F
 - 1/25/40/100 GbE ports
- BF6064X-T-A2F
 - 64 x 100 GbE ports



connectivity

- QSFP28 SR, LR - 100 GbE
- SFP28 SR, LR - 25 GbE
- SFP28 Copper - 1 GbE
- DAC - 25 GbE & 100 GbE
- RJ45 - 1 GbE - Management Port