1. Commodity hardware based upon merchant silicon with either an open or propriety Switch OS

2. Granular filtering based on 5-Tuple and/or even more., including Application signatures, and QoS marking capability.

3. Capability to work with both underlay and overlay protocols, providing independent filtering on either, and/or correlate both traffic.

4. Process data without impact to production flow/processing flow (CPU/Memory/ Bandwidth)

5. Horizontal scalability with the capability of resource management feedback.

6. Must be able to locally process data and create traffic signaling/alerting, while executing defined traffic based actions.

7. Interoperability between vendors: integration and output that will support data collection integration. Open API for access and management (in/out).

8. Capability of Packet De-duplication/Packet Slicing/Data Masking and Application Recognition, including Packet Organization**.**

9. Must be Security and Compliance aware

10. Multilayer visibility between underlay and overlay protocol use for management/ SLA, monitoring/alerting, troubleshooting and reporting capabilities.