Cost Effective Network Monitoring System for a Leader in Packet Monitoring Systems

**BUSINESS REQUIREMENTS**
- To develop cost effective and value added virtualized network monitoring by deprecating dependency on physical existence of network components
- Manage the performance impact of moving from physical to virtual implementation
- Compatible with OpenFlow based SDN controllers

**OUR SOLUTIONS**
- Implemented using DPDK based packet processing for faster packet processing and delivers high packet throughput
- Used Virtio based virtual network device for high efficiency in handling packets in virtualized environment and compatibility with DPDK
- Supports different tunneling mechanisms (GRE, MPLS, VXLAN etc) and scalable to new ones. Detailed and easy NMS/EMS support through GUI and CLI interfaces

**TOOLS/TECHNOLOGIES**
- Data Path: Intel Data Plane Development Kit (DPDK)
- NMS/EMS: Appweb, XML RPC, Java technologies, REST
- Virtualized Infrastructure: KVM/QEMU, OpenVSwitch, Virtio, Ubuntu

**BUSINESS IMPACT**
- Customer is able to penetrate into market of Virtual Network Monitoring Systems
- Easily deployable for various different networks ranging from a small office network to a big enterprise network
- Due to support of a range of tunneling mechanism, the solution is easily compatible to network components of a wide range of OEMs

**SOLUTION OVERVIEW**

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