

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

About Happiest Minds Technologies

Happiest Minds, the Mindful IT Company, applies agile methodologies to enable **digital transformation** for enterprises and technology providers by delivering seamless customer experience, business efficiency and actionable insights. We leverage a spectrum of disruptive technologies such as: Big Data Analytics, AI & Cognitive Computing, **Internet of Things**, Cloud, Security, SDN-NFV, RPA, **Blockchain**, etc. Positioned as "Born Digital . Born Agile", our capabilities spans across product engineering, digital business solutions, infrastructure management and security services. We deliver these services across industry sectors such as retail, consumer packaged goods, edutech, e-commerce, banking, insurance, hi-tech, engineering R&D, manufacturing, automotive and travel/transportation/hospitality. Headquartered in Bangalore, India; Happiest Minds has operations in USA, UK, The Netherlands, Australia and Middle East.