Enabling Real-Time, Scalable and Precise Network Visibility for Network Analytics Solution Provider

**BUSINESS REQUIREMENTS**

- **Synchronized Precision**
  Measure live traffic with microsecond accuracy and millisecond intervals

- **Real-Time Scalability**
  Measure every packet, every flow, and any location on a global network in real time

- **Experience**
  Rich user experience for all levels and APIs for easy integration with other operations and Management Systems

**OUR SOLUTIONS**

- Developed Packet processing software on Octeon and Intel DPDK platform
- Integrated DPI Solutions for application aware measurement
- Developed Streaming Data collection platform and cloud orchestrated dynamic scaling solution
- Developed interactive UI and APIs to present the visual analysis and real-time results

**TOOLS/TECHNOLOGIES**

- C/C++
- IPOQUE & nDPI
- Intel DPDK
- Octeon

- Apache Spark
- Openstack
- Ansible
- Docker
- HTML, CSS, Javascript
- MySQL, RDBMS

**BUSINESS IMPACT**

- Created vendor-neutral solution to evaluate the performance of different types of equipment to meet the current and future traffic load
- Application level granularity for precise visibility, monitoring and control of packets for better QOS, SLA and Network optimization supporting customer’s current and future network infrastructure
- Rich UI dashboard with filter and drill downs for executives to perform deeper Network analysis resulting in rich end user experience

**About Us**

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.

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