

# Transformation of Packet Monitoring Solution to SDN for a Fortune 200 Company



## BUSINESS REQUIREMENT



Create a Network Packet Monitoring solution which leverages SDN controllers and White Box Switches rather than a proprietary hardware / software solution



Develop a Network Packet Broker Application implemented on top of an SDN controller



Test in a combination of virtual and physical Open Flow Enabled Switches



## OUR SOLUTIONS



Enhanced the Open Day Light Controller to meet the application needs including Security Hardening, inclusion of new modules to provide infrastructure for applications



Developed SDN application for policy configuration



Transformed the legacy SNMP based control and management application to an SDN app



## TOOLS/ TECHNOLOGIES



**SDN Controller:** Open Day Light Controller, Netty TLS, Java Technologies



**SDN application:** Java technologies, REST Abstraction layer for working with multiple controllers in future



**Testing:** IXIA, Mininet, POSTMAN, Python, IPERF



## BUSINESS IMPACT



The Customer is able to penetrate packet monitoring market with a low cost solution

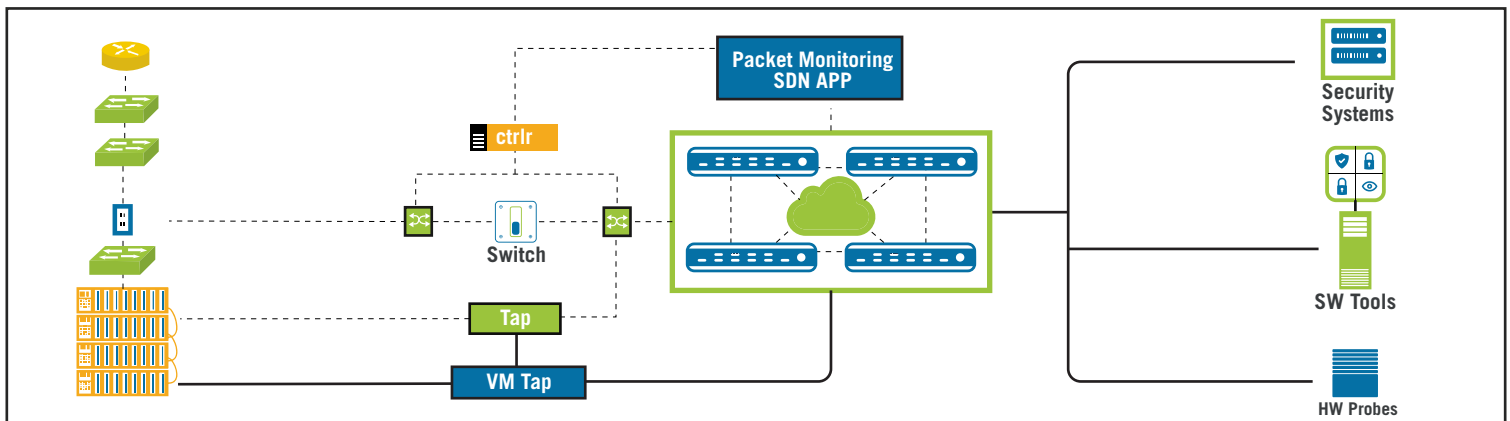


End to End centralized deployment of tools and concurrent access to the same data by multiple constituencies within an enterprise



Improvement of various features enriched look & feel and usability of product with cloud based application

### ARCHITECTURE/ INTERFACE DIAGRAM



### 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.

To know more about our offerings. Please write to us at [business@happiestminds.com](mailto:business@happiestminds.com)