happiest minds
The Mindful IT Company
Born Digital . Born Agile

NFVi Engineering compliant to ETSI MANO
for a leading platform OEM

BUSINESS REQUIREMENTS

ETSI-MANO based "Cloud In a Box" NFV infrastructure with vFW, vLTM, vSBC, vRouter working together as a complete solution

Deployment and testing of VNFs to prove their robustness performance on customers' NFV Infrastructure.

CI environment confirming to ETSI MANO along with automated VNF deployment, upgrade and performance testing.

OUR SOLUTIONS

Deployed OpenStack services(Compute, Network and Control) and Tacker on 3U chassis by configuring multiple hardware nodes running on intel XEON processor

VNF deployment creating YAML rules in Tacker, data path acceleration using DPDK followed by the creation of isolated and virtual test environment to fine tune VNF performance.

Modification of OPNFV based CI environment (YardStick, Functest), taking care of automated deployment, performance testing and conformance testing of overall "Cloud In a Box" Solution

TOOLS /TECHNOLOGIES

Openstack, DPDK

Fortigate vFW, BIG-IP LTM, Genband vSBC, Brocade vRouter

Python, Anisble, Jenkins, JUJU, MAAS

BUSINESS IMPACT

Standalone Platform infrastructure positioned as an ETSI compliant Cloud in a box for multiple Telco use-cases.
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Demonstration of the platform's capability to offer VNF performance comparable to that of physical network devices running around 10m concurrent sessions .

Ability to offer a career grade and open ETSI-NFV solution capable of future extensions (Openstack versions, new VNFs etc.) which can be integrated and confirmed seamlessly.

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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