

NFVi Engineering compliant to ETSI MANO for a leading platform OEM



BUSINESS REQUIREMENTS



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



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



CI environment conforming 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, Ansible, Jenkins, JUJU, MAAS



BUSINESS IMPACT



Standalone Platform infrastructure positioned as an ETSI compliant Cloud in a box for multiple Telco use-cases.



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.

About Us

Happiest Minds enables Digital Transformation for enterprises and technology providers by delivering seamless customer experience, business efficiency and actionable insights through an integrated set of disruptive technologies: big data analytics, internet of things, mobility, cloud, security, unified communications, etc. Happiest Minds offers domain centric solutions, IPs in IT Services, Product Engineering, Infrastructure Management and Security. These services have applicability across industry sectors such as retail, CPG, e-commerce, banking, insurance, hi-tech, engineering R&D, manufacturing, automotive and travel/transportation/hospitality. As a Mindful IT Company, the focus is on 'Being Mindful' and 'Doing Mindful' which involves perceiving immersively, processing non-judgmentally and performing empathetically. 60 minutes in a week is committed towards inculcating a mindful approach within the organization, using a select set of tools and techniques. Headquartered in Bangalore, India, Happiest Minds has operations in the US, UK, The Netherlands, Australia, Middle East and Turkey.

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