Tech Mahindra Launches "netOps.ai" to Accelerate 5G Adoption for Communication Service Providers

Tech Mahindra to debut netOps.ai, a 5G Network Automation & Managed Services Framework, at Mobile World Congress 2019

Barcelona, February 25th, 2019: Tech Mahindra Ltd., a leading provider of digital transformation, consulting and business reengineering services and solutions, announced netOps.ai, its Network Automation and Managed Services Framework based on CI/CD (Continuous Integration / Continuous Deployment) principles. Tech Mahindra will conduct the first-ever live demonstration of its netOps.ai framework at Mobile World Congress 2019.

Communication Service Providers (CSPs) across the globe are getting ready for the 5G revolution and preparing to roll out 5G networks. Tech Mahindra's netOps.ai, Network Automation and Managed Services Framework, is geared to accelerate 5G Network adoption by automating all the key network life cycle stages. The main features of netOps.ai include:

- **Telco Cloud Automation**: Automating the Telco Cloud Deployment of different personas and enabling one-click deployment of Telco Cloud.
- **VNF Lifecycle Automation**: Automating VNF Onboarding and End-to-End network integration with integration accelerators in its VNF-Xchange
- **NetDevOps**: Implementation of complete DevOps Continuous Integration, Continuous Delivery (CI/CD) pipeline for 5G networks in a multi-vendor environment
- **Service Orchestration**: Automation of Network Services with Orchestration, including closed-loop-control implementation for self-healing and auto-scaling

Tech Mahindra will demonstrate netOps.ai framework in a fully virtualized, multi-vendor 5G network and showcase the benefits of deploying netOps.ai including: automated validation of the entire NFV stack (from Hypervisors to VNFs), automated software updates, significant acceleration of end-to-end validation cycles, and rapid deployment to production networks.

Manish Vyas, President CME and CEO of Network Services, Tech Mahindra, said, "*Tech Mahindra's netOps.ai Framework will significantly boost the speed of 5G network rollouts. Communication service providers across the globe will be able to accelerate their 5G Time-to-Market and simultaneously reduce their cost of ownership by automating every aspect of their network lifecycle. We are preparing to witness the real-world impact of 5G and are collaborating*

with multiple partners from different industry verticals to develop compelling, practical use cases. Service Agility, which we aim to provide with our netOps.ai Framework, is essential to rapidly deploy and scale these use cases".

With 5G, CSPs will be able to dynamically slice and differentially price their network. netOps.ai is geared to deliver Service Agility at scale, not only by automating all network lifecycle stages, but also by keeping networks continually updated. The framework will also demonstrate service automation for Private 5G Networks-as-a-Service by automating Network Slicing.

Gabriel Brown, Principal Analyst, Mobile Networks & 5G, Heavy Reading, *"If operators can deliver at scale, at pace, and at low unit cost, 5G has great potential to contribute to business transformation across diverse industries. We believe the economic and technical case for advanced services, delivered over complex infrastructure, is underpinned by operators' ability to automate operating processes, with CI/CD models that support multi-vendor environments critical to this."*

Tech Mahindra is excited to drive collaborative disruption with its 5G partners and will jointly showcase the netOps.ai framework:

Affirmed Networks –

"Having driven the technological innovations to make virtualization mainstream in Service Provider networks, we at Affirmed Networks are now launching 5G core technologies that empower MNO's to drive new revenue streams by creating and automating the next generation of high throughput, ultra-low latency policy driven services", said Amit Tiwari, Vice President of Strategic Alliances & Systems Engineering at Affirmed Networks. "Working together with strategic partners like Tech Mahindra in a software driven, rich eco-system as put together within the netOps.ai construct enables us to extend the reach, amplify the impact and accelerate the adoption of our cloud native, microservices based, 5G core networking technologies".

Altiostar –

"Open architecture, virtualization and automation are mandatory for the mobile networks of the future. Altiostar, the leader in Open vRAN, is excited to partner with Tech Mahindra and its netOps.ai framework. Tech Mahindra is uniquely positioned to onboard virtual network functions and deliver end-to-end automation of best-of-breed multi-vendor solutions "said Thierry Maupilé, Executive Vice-President at Altiostar.

F5 –

"Deploying 5G infrastructure will be one of the most challenging network deployments ever," said James Feger, GM/VP of Service Providers at F5. "We are delighted to be working with Tech Mahindra. The Lifecycle Automation Framework will accelerate 5G network rollouts. F5 is delighted to provide NFV and security solutions that scale and secure service providers 5G networks as part of netOps.ai."

Hewlett Packard Enterprise –

"As Telcos deploy virtualized applications in the Core and at the Edge of their networks, they require these solutions to deliver the quality of service their customers demand. Delivering this level of service requires extensive testing and tuning to ensure the various vendor applications perform optimally on the Telco's open infrastructure" said Claus Pedersen, VP of Telco and NFV Segment, Hybrid IT Group, Hewlett Packard Enterprise. "Hewlett Packard Enterprise is partnering with Tech Mahindra to test and optimize the performance of these various ISV applications on trusted HPE Telco infrastructure to ensure our joint Telco customers can deliver the QoS they need for their Subscribers."

Intel –

"Intel offers flexible, agile, software defined architectures allowing service providers to develop, deploy and manage intelligent infrastructure and applications anywhere", said Renu Navale, senior director Edge Services and Industry Enabling of the Network Communications Division. "We are pleased to see Tech Mahindra and the ecosystem partners utilize Intel technology to accelerate the network transformation that is vital to bring 5G solutions to the market."

Juniper Networks-

"Juniper Networks is pleased to be a key ecosystem partner of Tech Mahindra's netOps.ai solution, as we have worked together with Tech Mahindra over the past few years to accelerate our joint customers' transformation to cloud technologies. The combination of our industry-leading Contrail SDN solution, the ecosystem assembled by Tech Mahindra and Tech Mahindras' deep experience in technology consulting has created a compelling transformation path for service providers." --Manoj Leelanivas, chief product officer, Juniper Networks

Qwilt –

"Qwilt is pleased to partner with Tech Mahindra and be part of its netOps.ai framework announcement here at MWC", said Alon Maor, CEO of Qwilt. "5G momentum continues to grow and netOps.ai will be a catalyst to accelerate 5G deployments. As another 5G catalyst, Qwilt's vCDN solution offers service providers the value of 5G MEC content delivery today and creates the foundation for new applications like AR/VR and IoT tomorrow. Our partnership with Tech Mahindra is a great way for us to showcase our solution."

Red Hat –

“We believe that the 5G future of mobile networks is being built on open source innovation, not proprietary hardware and software. We’re pleased to collaborate with Tech Mahindra to help drive advancements in the 5G lifecycle around automation and DevOps, especially as communications service providers look to innovative software to bring differentiated services to crowded mobile marketplaces,” said Darrell Jordan-Smith, World Wide Vice President – Ict, Red Hat.

RIFT –

“Network Automation & Orchestration are key components for the successful launch of 5G services and optimization of existing Service Provider services” said Vin Spinelli, SVP Global Marketing & Sales. “RIFT believes that the netOps.ai framework is an important and major step forward in demonstrating best-of-breed, end-to-end, 5G network services. We are delighted to participate in this development. RIFT has built RIFT.ware with a singular focus on delivering a truly open platform, available to everyone, that delivers the automation of lifecycle management, orchestration, and massive scalability to all virtual network functions, applications and services.”

Teoco-

“As 5G deployments globally move from initial trials to live production networks, operators are increasingly focused on the monitoring and management aspects of the network buildout. Assuring 5G-enabled services brings unique challenges that require context-aware assurance driven by analytics and automation,” said Atul Jain, Founder and CEO, TEOCO. “It is a privilege to integrate with industry leading partners to bring the netOps.ai Framework to the market. Tech Mahindra is a trusted partner and we look forward to working with them to serve our customers”.

As part of the TechMNxt charter, Tech Mahindra is focused on developing platforms based on next-gen technologies like 5G, artificial intelligence, machine learning, robotics, automation and the internet of things. Tech Mahindra is committed to accelerating the global adoption of 5G

technology and is currently engaged with multiple service providers around the world to help them transform their networks.

About Tech Mahindra

Tech Mahindra represents the connected world, offering innovative and customer-centric information technology experiences, enabling Enterprises, Associates and the Society to Rise™. We are a USD 4.9 billion company with 121,840+ professionals across 90 countries, helping over 935 global customers including Fortune 500 companies. Our convergent, digital, design experiences, innovation platforms and reusable assets connect across a number of technologies to deliver tangible business value and experiences to our stakeholders. Tech Mahindra is the highest ranked Non-U.S. company in the Forbes Global Digital 100 list (2018) and in the Forbes Fab 50 companies in Asia (2018).

We are part of the USD 21 billion Mahindra Group that employs more than 200,000 people in over 100 countries. The Group operates in the key industries that drive economic growth, enjoying a leadership position in tractors, utility vehicles, after-market, information technology and vacation ownership.

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