

Tech Mahindra Supports Digital Transformation of Telefónica Germany's Microwave Network with Open SDN

Technology

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Tech Mahindra has leveraged the potential of SDN automation, supporting Telefónica Germany to elevate its development and testing

Europe – 20 December 2021: [Tech Mahindra](#), a leading provider of digital transformation, consulting, and business re-engineering services and solutions, today announces that it has been working with Telefónica Germany to digitally transform its microwave network with open software defined networking (SDN).

Telefónica is working to standardise its management interface by collaborating with multiple vendors and partners. Tech Mahindra is helping Telefónica achieve this by bringing its domain expertise and continuous integration capabilities to the partnership. Tech Mahindra has been working with the telco to implement new standards for its DevOps model including enhancing its processes and requirements. This includes the continuous management support of service operations for the organisation's overall SDN Architectures. The project involves the deployment of microwave transmission automation aimed at elevating service delivery and network operations. All microwave devices in Telefónica Germany's mobile backhaul network are accessible via a single harmonised Network API which supports

an open microservice framework.

Vikram Nair, President, EMEA Business at Tech Mahindra, comments:

"We have been actively collaborating with Telefónica on this project. We made an important contribution to the integration results and have driven us to continuously broaden our capabilities. This reflects our commitment to invest in open source technologies and scaling out networks within just weeks. Telefónica is able to accelerate its digital transformation efforts to provide a more efficient and future-proof service to its customers."

Telefónica has been able to integrate 30,000 microwave links from multiple vendors into the OpenDaylight Controller using ONF TR-532 interface standard. This also reflects Tech Mahindra's commitment to invest in open source technologies to accelerate scaling out networks. The move to SDN will enable Telefónica to adopt automation functionality in the future more easily.

"Together with our partners like Tech Mahindra, we are pioneering SDN within the microwave domain. The technological requirements for the mobile network of the future are continuously increasing. Software-based approaches such as SDN are helping us to reduce the complexity of our network architectures and to drive our network expansion even faster and with higher quality through a greater degree of automation. For example, our Telefónica technology team is already continuously developing new applications that can be made available across manufacturers within a matter of weeks," says Mallik Rao, Chief Technology & Information Officer at Telefónica Deutschland

About Telefónica

Telefónica Deutschland offers telecommunications services for private and business customers, as well as innovative digital products and services in

the fields of the Internet of Things and data analytics. The company is one of the leading integrated telecommunications providers in Germany. In the mobile segment alone, Telefónica Deutschland / O2 is responsible for more than 45 million connections (including M2M; as of 30 September 2021) – no other domestic network operator connects more people. Through its core brand O2 and various secondary and partner brands, the company sells postpaid and prepaid mobile telecommunications products including innovative mobile data services. The basis for this is a mobile service network based on a highly reliable GSM, UMTS and LTE infrastructure. At the same time, the company is setting up an energy-efficient high-performance 5G network, which will reach 30% of the German population by end of 2021. Telefónica Deutschland also provides telephony and high-speed internet products on the basis of various technologies. Telefónica Deutschland Holding AG has been listed in the Prime Standard on the Frankfurt Stock Exchange (MDAX, TecDAX) since 2012. In the 2020 fiscal year, the company generated revenues of EUR 7.5 billion with almost 8,200 employees. The company is majority owned by the Spanish telecommunications group Telefónica S.A., headquartered in Madrid. With operations in 13 countries and a customer base of more than 365 million connections, the group is one of the world's biggest telecommunications providers.

About Tech Mahindra

Tech Mahindra offers innovative and customer-centric digital experiences, enabling enterprises, associates and society to Rise. We are a USD 5.2 billion organisation with 121,900+ professionals across 90 countries, helping 997 global customers, including Fortune 500 companies. We are focused on leveraging next-generation technologies, including 5G, Blockchain, Cybersecurity, Artificial Intelligence, and more, to enable end to end digital transformation for global customers. Tech Mahindra is one of the fastest-

growing brands and amongst the top 15 IT service providers globally. Tech Mahindra has consistently emerged as a leader in sustainability and is recognised amongst the '2021 Global 100 Most sustainable corporations in the World' by Corporate Knights. With the NXT.NOW framework, Tech Mahindra aims to enhance 'Human Centric Experience' for our ecosystem and drive collaborative disruption with synergies from a robust portfolio of companies. We aim at delivering tomorrow's experiences today and believe that the 'Future is Now'.

We are part of the Mahindra Group, founded in 1945, one of the largest and most admired multinational federation of companies with 260,000 employees in over 100 countries. It enjoys a leadership position in farm equipment, utility vehicles, information technology and financial services in India and is the world's largest tractor company by volume. It has a strong presence in renewable energy, agriculture, logistics, hospitality and real estate. The Mahindra Group has a clear focus on leading ESG globally, enabling rural prosperity and enhancing urban living, with a goal to drive positive change in the lives of communities and stakeholders to enable them to Rise.

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