

Automating service management for 5G networks - Challenges & Initial Solutions

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Abstract text The Fifth Generation Mobile Networks (5G) are seen as a key enabler for the Internet of Things by providing a platform to connect billions of devices with heterogeneous sets of network quality requirements. 5G network operators will face the challenges of managing network services for diverse enterprise sectors such as automotive, mining and utility with different requirements throughout their lifecycle. The presentation will discuss the challenges of the next generation mobile networks management and will present a paradigm shift in mobile network implementation. A concept of “network slicing” as a mean of managing complexity and timely delivery of services to diverse enterprise sectors in an “automated fashion” will be explained. Initial results that are taken on our testbed network implemented at Kista Stockholm Sweden, demonstrate the maintained QoS requirements for diverse enterprises, will also be presented.