

SDN T-API Integration with NMS

One of our customers has decided to take a step forward towards the SDN innovation, and integrate the SDN T-API functionality into their existing, flexible network controlling system to make it compliant with the cutting-edge multi-layer SDN architectures.

The challenge: Our customer, a global communications equipment and services supplier, retained us to support their efforts of exposing the SDN Transport Application Programming Interface (T-API) functionality to their multilayer service management & orchestration system using RESTCONF.

The solution: The project was divided into two stages. In the first phase, we developed a generator that would create the required artefacts from the T-API specification. Secondly, we provided the mediation/transformation (MT), capable of feeding the T-API data model with the data from the proprietary models of our customer. The MT layer is responsible for handling T-API-specific functions, which were not present in the customer's system.

The result: SDN implementation in transport networks offers many benefits: simplified operations through automation of workflows, optimized multi-layer, multi-domain networking, enhanced interoperability, or increased utilization of transport resources. Apart from ensuring compliance with SDN architectures, this T-API implementation helped our customer shorten service delivery times, improve service quality and expand their product portfolio.

