Case Study 02
YANG Model-to-model Mediation

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Amartus
TELCO **FLUENT** SOFTWARE **NATIVE**
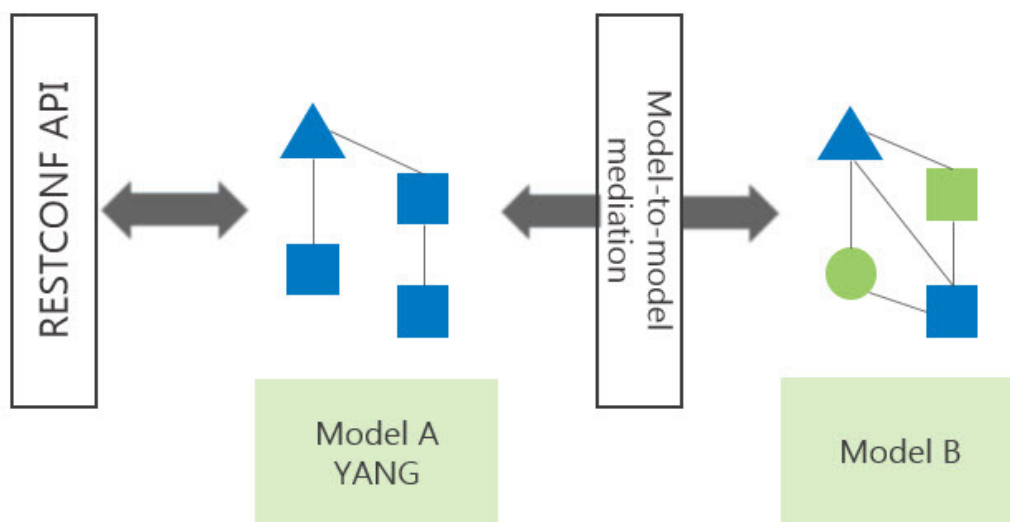
Network Equipment Vendors frequently need to comply with the technological requirements imposed by Communication Service Providers (CSPs). They are expected to provide hardware together with software that smoothly blend in the existing, increasingly complex provider infrastructure.

Amartus specializes in integration of the existing and new applications into sophisticated, multi-vendor CSP networks and orchestrating them using different approaches, including MANO. We use our extensive expertise to drive solutions for network equipment vendors in the right direction to satisfy the CSPs' requirements.

YANG

RESTCONF

Case Study
BENEFITS

- **Accelerate time-to-market with your offerings**
- **Enhance your solutions to inter-operate with other vendors**
- **Unlock your equipment to embrace new technologies & standards**
- **Move seamlessly to the software model with our experts**

The challenge: We were required to provide an application that would allow our customer, a large network equipment vendor, to become compliant with YANG/RESTCONF specifications. The aim was to provide the ability to expose part of the customer model via RESTCONF interface. The customer wanted to be able to adjust the exposed model to their needs while leaving the internal model intact, thus the solution had to handle these differences.

The solution: The solution was to build a generator capable of auto-generating the required artefacts from the customer models. One of the generated artefacts was a RESTCONF interface compliant with the protocol specification. Another was a model-to-model mediation module that allows automated bidirectional model transformations. The generator developed by Amartus was integrated with the customer's tool-chain. The generated artefacts were able to automatically integrate with the customer's runtime platform.