

Telenet (Mechelen)

Software Driven Network.

To accelerate our innovation pace, Telenet is on a journey to transform the network into a software driven, programmable and dynamic environment. This is paramount in expediting service delivery, adding flexibility in building new functionality and services. Factors attributing to this are network abstraction, extensive automation, SDN/NFV, big data platforms and service orchestration.

Problem statement

The market for orchestration platforms suitable for service providers is immature and standards are under development, with ONAP getting the most traction now. Goal is to create an open source based, highly automated and real-time capable end-to-end service orchestration platform, able to create services across virtual and legacy environments (fixed and mobile). We want to learn what such a system needs to be comprised of architecturally, now and in the future, and assess development complexity.

- Build a (non-production) end-to-end service orchestration platform comprised of open source, and vendor-specific components.
- Develop northbound APIs to OSS/BSS systems
- Develop UI for validation and non-production environment.
- Create southbound (resource) adapters to EMSes, (legacy) NMSes, SDN-Controllers, VIMs, etc.
- Investigate how components like end-to-end SDN-Orchestration, NFV-Orchestration, Generic-VNF-Managers, etc. relate to this end-to-end service orchestration platform.
- Create service-modeling templates..
- Develop a set of use cases (some together with vendors).
- Create assurance frameworks and platforms.

Interested? Contact us via gerrit.sarens@exellys.com