5G MOBILE TRANSPORT PLATFORM FOR VERTICALS

USING CLOUDIFY AND PUBLIC AND PRIVATE CLOUDS TO DEPLOY AN ENTERTAINMENT SERVICE

5G-TRANSFORMER ARCHITECTURE

OSS/BSS
Network Slice Manager
5G-VS
Single Multi-domain NFVO NSO
Single Multi-domain NFVO RO
VNFM
VIM/VMM
VNFs
NFVI
TD 1-1
5G-SO
Federation
OSS/BSS
5G-VS
5G-MTP
5G-VS
So-So
Administrative domain 1
across multiple technology domains (TDs)

5G-SO: Federation of transport networking and computing resources from multiple domains and allocation to slices. We use Cloudify which is the reference implementation of the the 5G-SO.

PLATFORM OF THE DEMO

OBJECTIVES OF THE DEMO

- Deployment of high definition streaming service with smart placement of virtual appliances at the edge to avoid bottlenecks in the core of the network and provide a low latency service.
- Use custom Cloudify extension to provide a transparent abstraction of the network and automatic provisioning of intercloud connectivity and configurations (AWS and 5-TONIC).

KPI EVALUATION

- RTT Local Cache - Global Repository
- Video not in Local Cache
- Video in Local Cache