IMT-2020/5G Workshop and Demo Day

5G Network Slicing Management concept and demo

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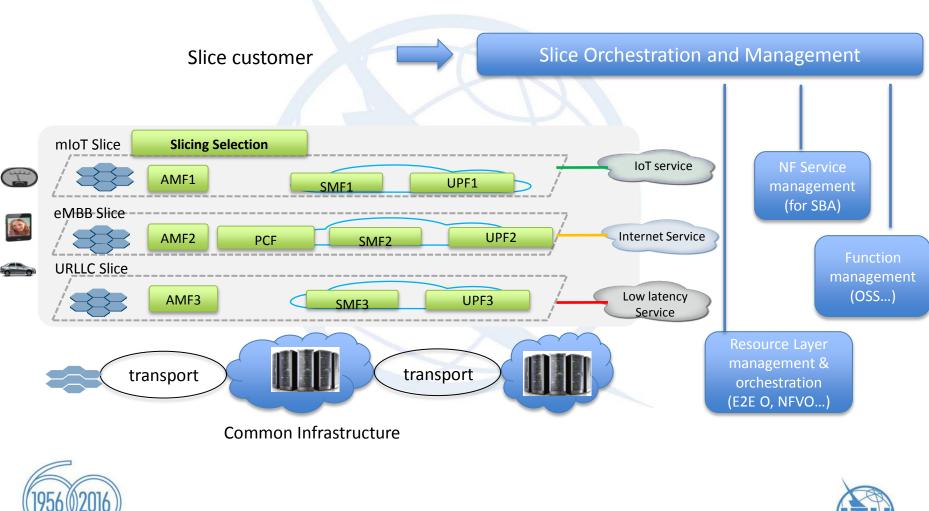
5G Design: New Architecture and Technology

Leveraging IT tech(e.g., NFV/SDN) to achieve a customizable, programmable and service-based 5G network to support the cases of huge traffic, large connection and low latency with big increase of resource utilization

Architecture Characteristics	C/U separation	•Control and User plane functionality split is the basis for network function optimization and flexible deployment
	Service-based Architecture	 Service based architecture design can be beneficial to cloud native and customizable 5G NFs
	Network Slicing	 Network Slicing provides E2E logical isolated network, dedicated for vertical customers
Key technology	 ✓ a logical network that pr capabilities and network 2. QoS ✓ remove bearer concept, 3. Mobility management 	 characteristics Network intelligence introduce Network Data Analytics (NWDA) Fix Mobile convergence natively support unified authentication and non-3GPP access Stateless NFs the "compute" resource is decoupled from the

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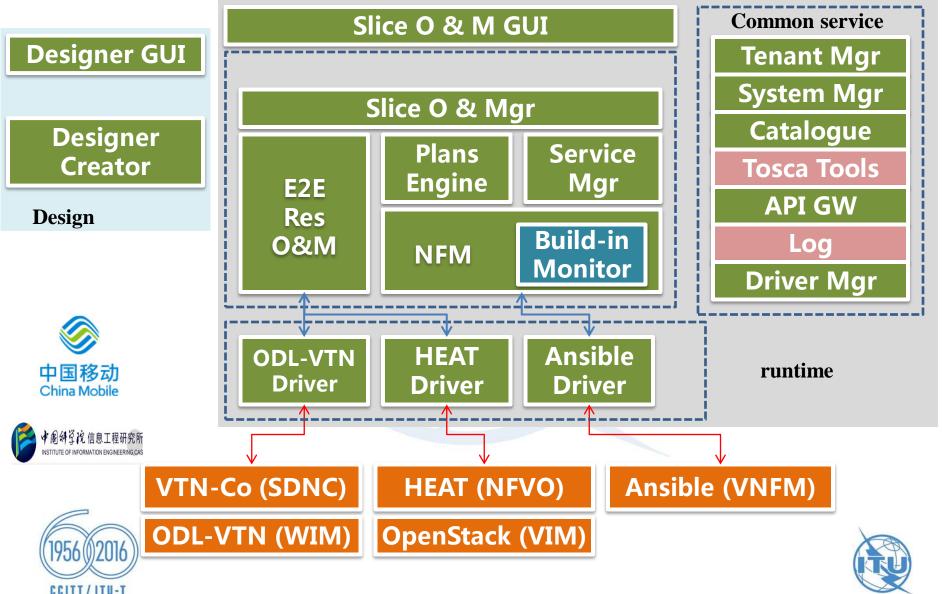
Network slicing needs the support of softwarized network in multi layer and domain



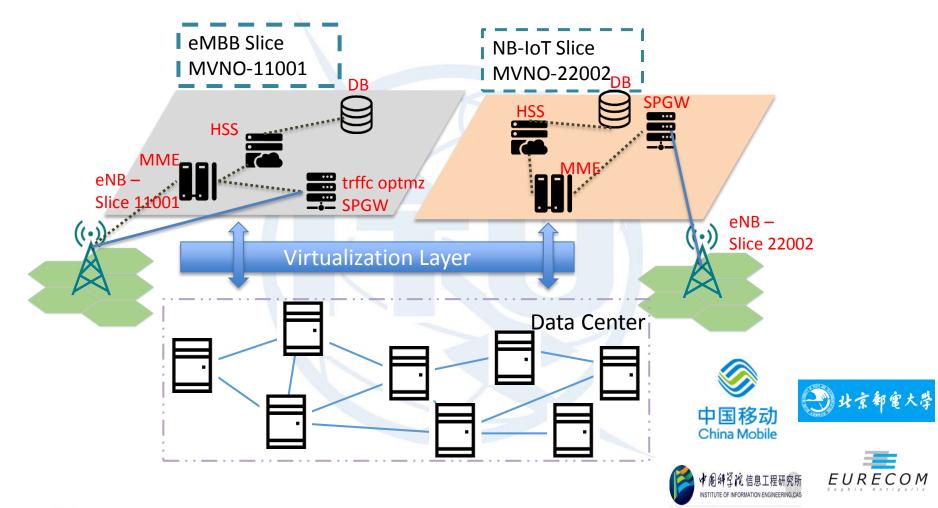
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5G network slicing M&O demo



Slice management and orchestration system based on OAI with creating two slices







Thanks!



