



Customized Service Monitoring

Open ONAP
Abilities to
Vertical
Industries

Customized User-slice Allocation Policy

5G SLICE

On-demand 5G Service Provisioning

Application Oriented On-demand 5G Slice Service Provisioning by ONAP

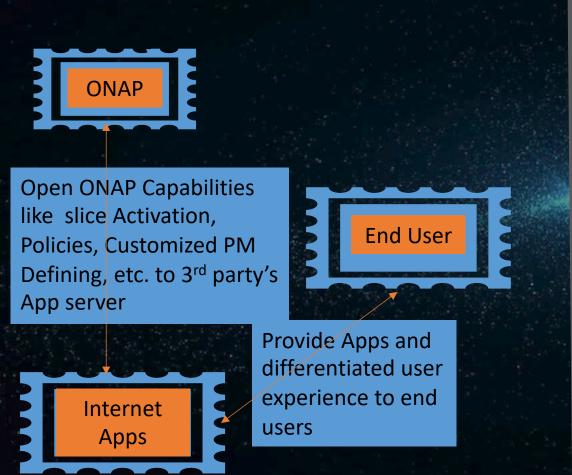


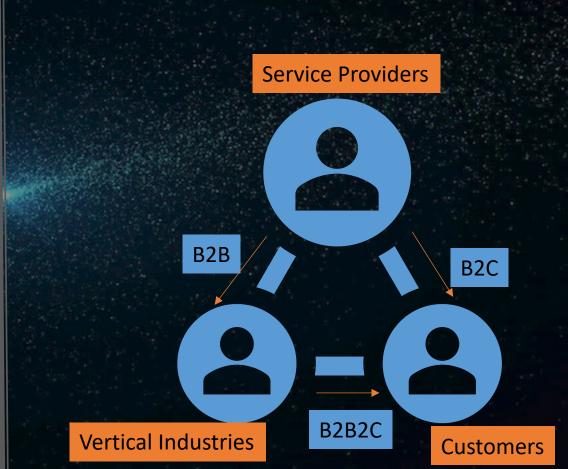
Business Pattern







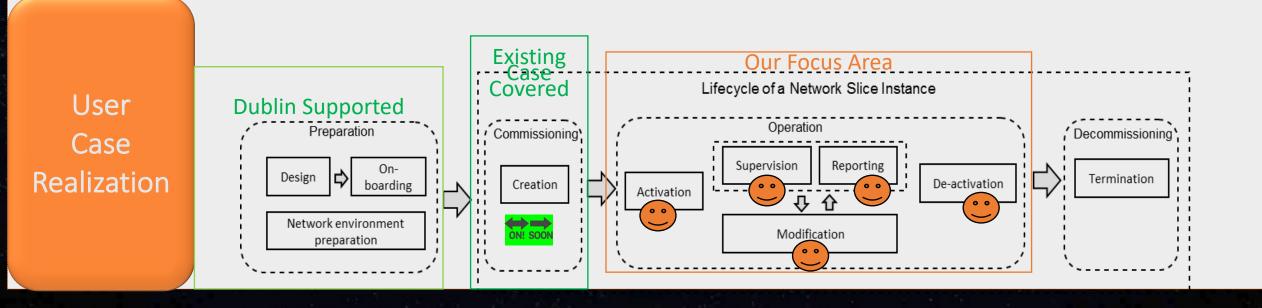






User Story The internet companies, eg: Tencent, have the need to buy on-demand 5G service.

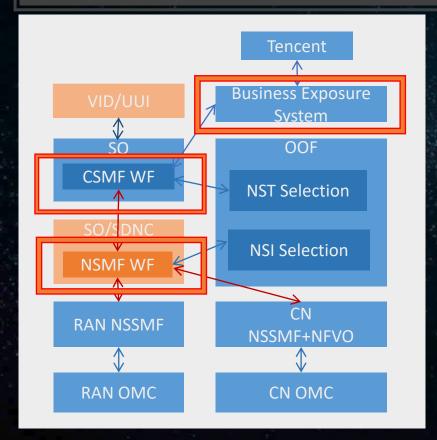
- 1. They only want 5G service to be provided <u>in hot spot and some specific time period</u> instead of keeping it alive all the time.
- 2. They have the demand to <u>divide their App users to different slices</u> according to their VIP level and the slice SLA.
- 3. They want to monitor and measure the slice performance based on their rules.

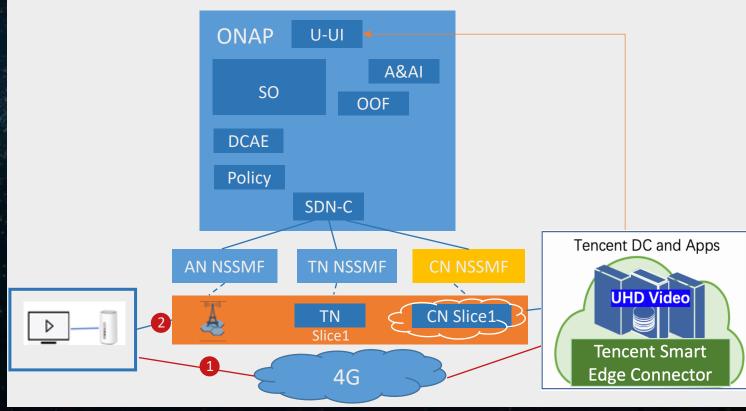




Architecture

- 1. Provide an implementation reference of CSMF and Business Exposure Platform within ONAP
- 2. Provide an implementation reference of NSMF within ONAP and a decouple solution of NSMF and NSSMF by ONAP connecting NSSMF from different vendor and different domain.
- 3. Open ONAP abilities to 3rd Parties.











2. End Users Use App under 4G

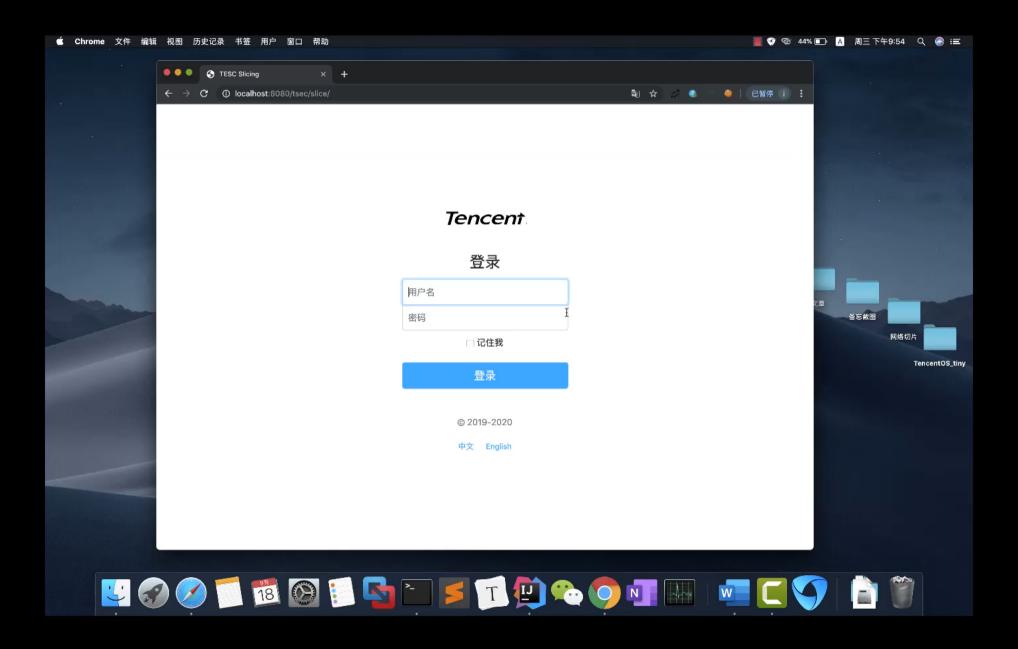


3. 3rd Party Provide Time-based Slice Activation Policy



4. End Users Use App under 5G











2. End Users Use App under 4G

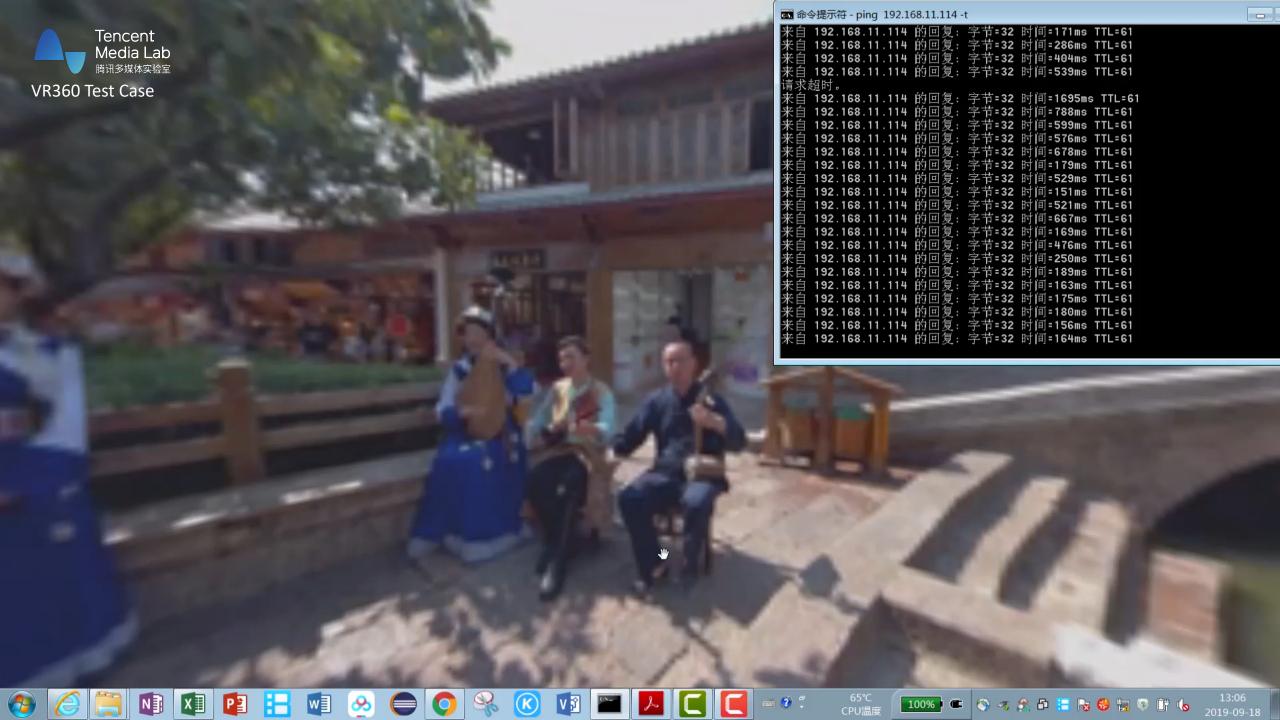


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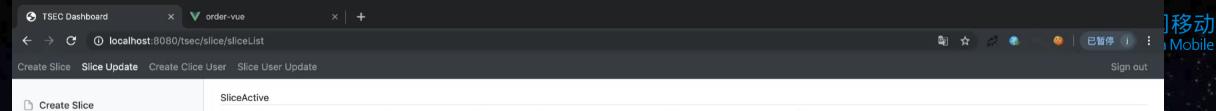


3. 3rd Party Provide Time-based Slice Activation Policy



4. End Users Use App under 5G





	Slice Update
Ä	Create Slice User
000	Slice User Update

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SliceActive									
Id	Name	Level	Туре	Area	User	Арр			
4	testService	STANDARD	EMBB	beijing tianjin	18810326514	testapp1	activate status delete		







2. End Users Use App under 4G



3. 3rd Party Provide Time-based Slice Activation Policy



4. End Users Use App under 5G











2. End Users Use App under 4G



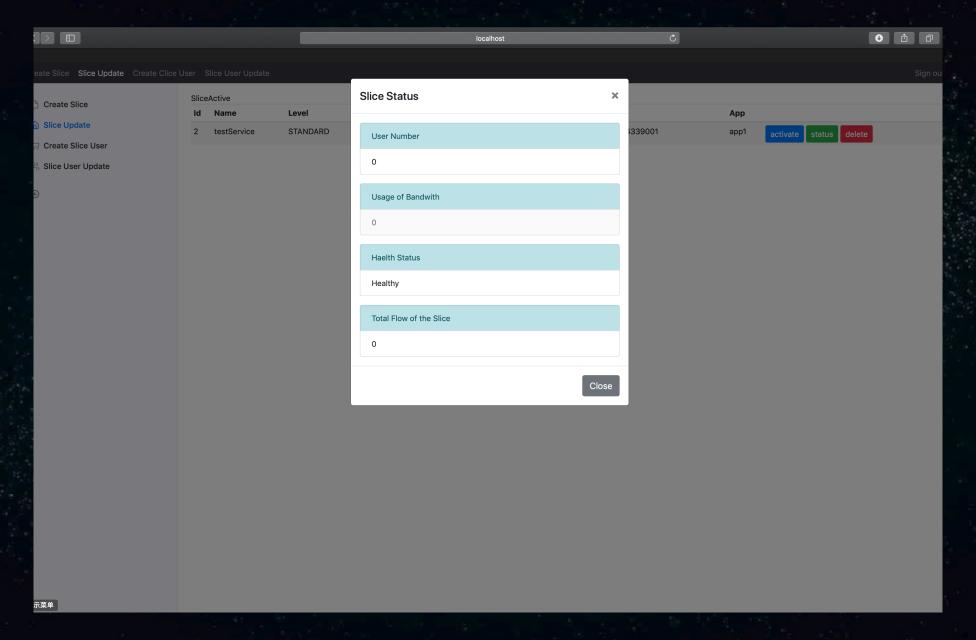
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4. End Users Use App under 5G





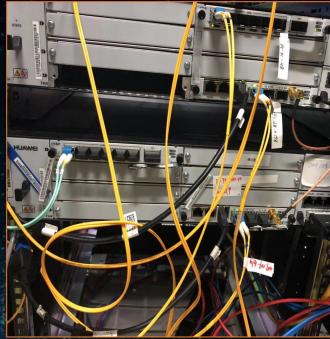














Lab Environment









1. Customized E2E Slice Service Monitoring

Provide the customized slice PM function as a **Micro service**:

Provide a general manner for slice consumers to define customized Slice performance measurement and generate the KPI result according to user's definition.

(Business Exposure Platform + NSMF)

2. Slice Service Change

3rd party modify service order when demands change, eg:
maxNumberofUEs,coverageA
reaTAL. (CSMF)
ONAP will update the slice service by updating NSI according to the new Service
Profile. (NSMF)

3. User-Slice Allocation Policy Configuration

App server provides the mapping relation between the end users and the slices to ONAP via Business Exposure Platform according to their VIP level and slice SLA, ONAP then will process the mapping relation and configure the allocation policy via PCF. (Business Exposure Platform)

Follow-ups In ONAP

