

NETWORK SLICING PoC in R6 Frankfurt (Obsolete)

The Base Wiki Page of Network Slicing can be found at: [5G - Slicing](#)

Documenting Use Case Scenarios for Slicing, how it could be used. Configuring elements, data needed.

GOAL: to demonstrating simple, practical definition and implementation of a 5G Network Slice

Simulators to be developed.

DEVELOPMENT IMPACTS

PRO JECT	PTL	User Story / Epic	Requirement
A&AI	James Forsyth	 A-AI-2600 - A&AI support of Network Slicing Demo in Frankfurt CLOSED	Update A&AI schema with Network Slicing model
AAF	Jonathan Gathman		No impact foreseen for Frankfurt
APPC	Takamune Cho	Need to check whether this is needed.	No impact foreseen for Frankfurt
CLAMP	Gervais-Martial Ngueko		No impact foreseen for Frankfurt
CC-SDK	Dan Timoney		No impact foreseen for Frankfurt
DCAE	Vijay Venkatesh Kumar	 DCAE-GEN2-1878 - Support 5G slicing - E2E network slicing use case CLOSED	KPI monitoring - new KPI Compute MS and DB
DMaP	Mandar Sawant		No impact foreseen for Frankfurt
External API	Matthieu Geerebaert		
MODELING	Hui Deng	Epic #1 - Network Slicing Demo	Enhance ONAP model with Network Slicing related constructs Provide a demo Network Slicing SDC model Provide a demo Network Slicing A&AI model
Multi-VIM / Cloud	Bin Yang		No impact foreseen for Frankfurt
OOF	Shankaranarayanan Puzhavakath Narayanan	 OPTFRA-277 - OOF impacts on 5G slice optimization CLOSED	- OOF shall fetch details of active slices, slice sub-nets and services from A&AI. - Given the similarities between Slicing and Service instantiation workflows, this could potentially be integrated/interact with HAS, but, if needed, can be seen as standalone for Frankfurt release.
POLICY	Pamela Dragosh	 POLICY-2056 - Policy support of Network Slicing Demo in Frankfurt CLOSED	- Config policy for slice allocation, slice sharing, slice sub-net allocation and slice sub-net sharing - Config policy for resource allocation for a slice sub-net - Config policy for optimization constraints – e.g., network resource optimization, resiliency, etc.
POR TAL	Manoop Talasila		

SDN-C	Dan Timoney	SDNC-915 - SDN-C (SDN-R) support of E2E Network Slicing in Guilin CLOSED	- DGs for receiving DMaaP message from SO with RAN NSSI details, map them to netconf messages and send to RAN. - Interaction with PNF PnP to be discussed - Config DB – could leverage existing Config DB and extend it.
SDC	Ofir Sonsino	Optional SDC-2555 - SDC support of Network Slicing Demo in Frankfurt CLOSED	Enhance SDC with properties mapping from composite to nested service
SO	Seshu Kumar Mudiganti	SO-2281 - SO support of Network Slicing Demo in Frankfurt CLOSED	- Enhance Request handler with Network Slicing instantiation - Workflow for recursive service instantiation - Handling of shared / dedicated services - Store slice catalog items
VID	Ittay Stern		(Potential impact to VID to invoke the Demo)
VNF RQTS	Steven Wright		
VNF-SDK	Weitao Gao		
CDS	Yuriy Malakov		

List of PTLs: [Approved Projects](#)

Test cases

No.	Description	Status
1	Successful design of NSSTs	NOT YET TESTED
2	Successful design of NSTs	NOT YET TESTED
3	Service instantiation via CSMF portal resulting in automatic NSI selection (new NSSIs to be instantiated)	NOT YET TESTED
4	Service instantiation via CSMF portal resulting in NSI selection with manual inputs (existing NSSIs to be selected)	NOT YET TESTED
5	On-demand service activation from CSMF portal - service activation, NSI binding	NOT YET TESTED
6	On-demand service activation from CSMF portal - service de-activation	NOT YET TESTED
7	Service instantiation with KPI monitoring	NOT YET TESTED
8	Service activation with KPI monitoring	NOT YET TESTED
9	Fetching KPI data from DCAE DB from Portal	NOT YET TESTED

SUPPORTING FILES

Presentation	File
ONAP Network Slicing PoC for Frankfurt: presentation at the Use cases sub-committee meeting during Antwerp F2F on Sep 27, 2019	 ONAP_Net...019.pptx

ONAP Network Slicing PoC for Frankfurt: presentation to Modeling sub-committees team on Aug 27, 2019	ONAP_Net...019.pptx
ONAP Network Slicing PoC for Frankfurt: presentation to 5G use cases team on Aug 8, 2019	ONAP_Net...019.pptx
ONAP Network Slicing Next Steps (Frankfurt)	ONAP net...2.0.pptx
ONAP Network Slicing Next Steps (Frankfurt) - Presentation & Recording	zoom_0.mp4