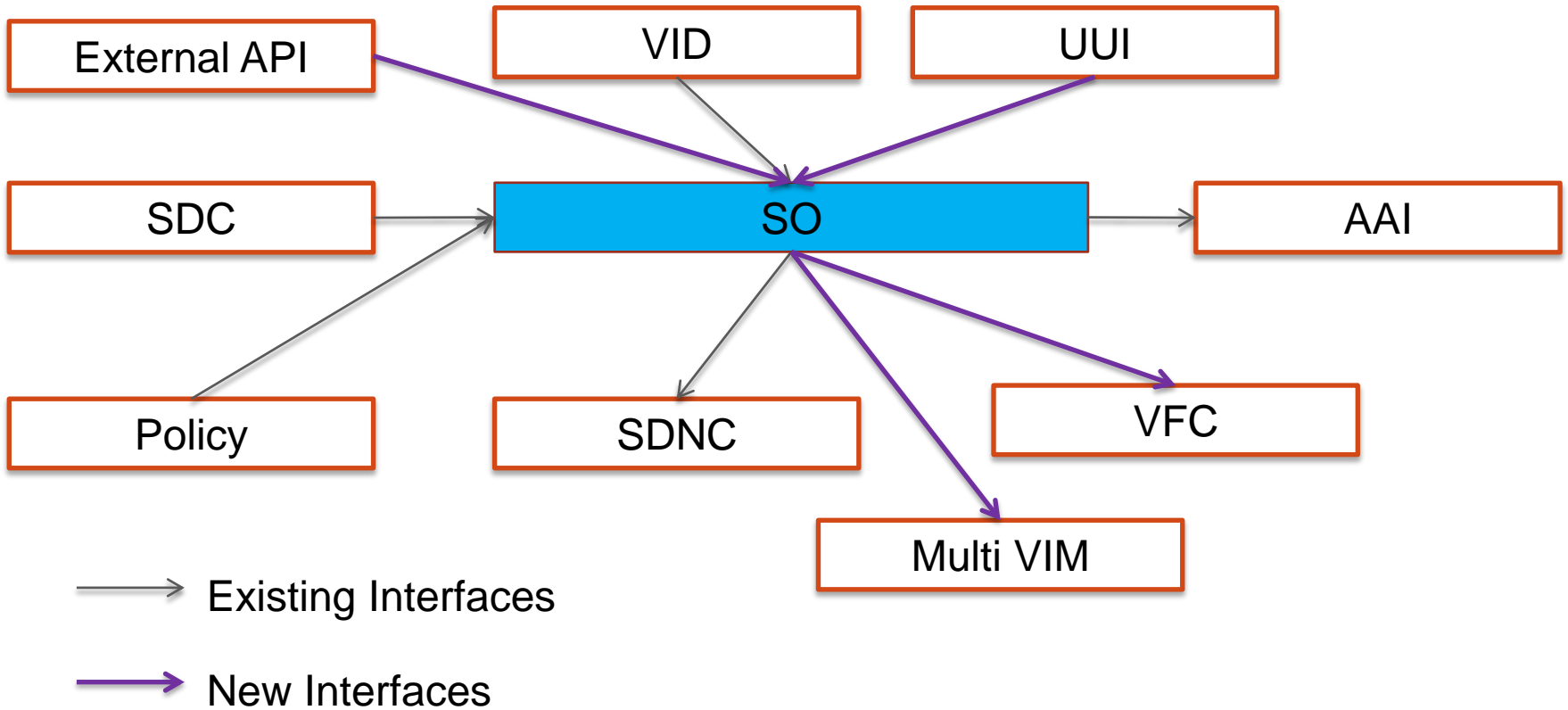


**SO APIs**

# SO – ONAP Module Interactions



## VID-MSO Service Instantiation Interface Design

Jan 2017 – version 1.0

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### Document Attributes

Attribute	Value
Other Attributes	The interfacing application is VID or any NorthBound Application using that interface to trigger MSO.

### Revision History

The following table lists the revision history of this document:

Author	Date	Version #	Revision Description
MSO dev. team	01/23/2017	1.0	intitial version

# SO NBI :UUI-SO

API name/URI	Create Service : http(s)://[hostname][:port]/so/e2eServiceInstances/v2	
Type	POST	<pre>{   "service":{     "name":"so_test1",     "description":"so_test1",     "serviceDefId":"60c3e96e-0970-4871-b6e0-3b6de7561519",     "templateId":"592f9437-a9c0-4303-b9f6-c445bb7e9814",     "parameters":{     }   } }</pre>
Direction (incoming/outgoing)	incoming	
Adjacent module(s)		
Information expected	Service id, operation id	
Information provided	Service template id, name, description, parameters	
API name/URI	Delete NS: http(s)://[hostname][:port]/so/e2eServiceInstances/v2/{serviceId}	
Type	DELETE	
Direction (incoming/outgoing)	incoming	
Adjacent module(s)		
Information expected	operation id	
Information provided	Service instance id	
API name/URI	Query Progress:http(s)://[hostname][:port] /so/e2eServiceInstances/v2/{serviceId}/operations/{operationId}	
Type	GET	
Direction (incoming/outgoing)	incoming	
Adjacent module(s)		
Information expected	Operation progress information	
Information provided	service instance id, operation id	

# SO-VFC

API name/URI	Create NS : <a href="http(s)://[hostname][:port]/api/nslcm/v1/ns">http(s)://[hostname][:port]/api/nslcm/v1/ns</a>	
Type	POST	<pre>{   "nsdId":"1",   "nsName":"vCPE_NJ",   "description":"Nanjing_vCPE" }</pre>
Direction (incoming/outgoing)	outgoing	
Adjacent module(s)		
Information expected	NS instance id	
Information provided	Ns template id, name, description	
API name/URI	Instantiate NS: <a href="http(s)://[hostname][:port]/api/nslcm/v1/ns/{nsInstanceId}/Instantiate">http(s)://[hostname][:port]/api/nslcm/v1/ns/{nsInstanceId}/Instantiate</a>	
Type	POST	<pre>{   "nsInstanceId":"1",   "LocationConstraints":[     {       "vnfProfileId":"zte-CSCF-1.0",       "locationConstraints":{         "vimId":"1"       }     }   ],   "additionalParamForNs":{     "vCPE":"1111"   } }</pre>
Direction (incoming/outgoing)	outgoing	
Adjacent module(s)		
Information expected	Instantiate job id	
Information provided	NS instance id, VNF VIM location, NS parameters	
API name/URI	Terminate NS: <a href="http(s)://[hostname][:port]/api/nslcm/v1/ns/{nsInstanceId}/Terminate">http(s)://[hostname][:port]/api/nslcm/v1/ns/{nsInstanceId}/Terminate</a>	
Type	POST	<pre>{   "nsInstanceId":"1",   "terminationType":"graceful",   "gracefulTerminationTimeout":"60" }</pre>
Direction (incoming/outgoing)	outgoing	
Adjacent module(s)		
Information expected	Terminate job id	
Information provided	NS instance id, termination type, timeout	

# SO-VFC

API name/URI	Delete NS : http(s)://[hostname][:port]/api/nslcm/v1/ns/{ nslInstanceId}	
Type	DELETE	
Direction (incoming/outgoing)	outgoing	
Adjacent module(s)		
Information expected	Delete result	
Information provided	Ns template id	
API name/URI	Query Job :http(s)://[hostname][:port]/api/nslcm/v1/jobs/{jobId}&responseld={ responseld}	
Type	GET	
Direction (incoming/outgoing)	outgoing	
Adjacent module(s)		
Information expected	The progress information of the job.	
Information provided	Job id	

NSLCM API Link : <https://wiki.onap.org/display/DW/VF-C+R1+Deliverables>

# SO-AAI

<b>API name/URI</b>	<b>create or update an existing service-instance /business/customers/customer/{global-customer-id}/service-subscriptions/service-subscription/{service-type}/service-instances/service-instance/{service-instance-id}</b>	
Type	PUT	
Direction (incoming/outgoing)	outgoing	
Adjacent module(s)		
Information expected	response codes	
Information provided	global-customer-id, service-type, service-instance-id, service-instances	
<b>API name/URI</b>	<b>delete an existing service-instance /business/customers/customer/{global-customer-id}/service-subscriptions/service-subscription/{service-type}/service-instances/service-instance/{service-instance-id}</b>	
Type	DELETE	
Direction (incoming/outgoing)	outgoing	
Adjacent module(s)		
Information expected	response codes	
Information provided	global-customer-id, service-type, service-instance-id	

A&AI API Link :

[https://wiki.onap.org/download/attachments/13598793/aai\\_swagger\\_v11.html?api=v2](https://wiki.onap.org/download/attachments/13598793/aai_swagger_v11.html?api=v2)

# SO-AAI

<b>API name/URI</b>	<b>returns service-instances</b> <b>/business/customers/customer/{global-customer-id}/service-subscriptions/service-subscription/{service-type}/service-instances</b>	
Type	GET	
Direction (incoming/outgoing)	outgoing	
Adjacent module(s)		
Information expected	service-instances	
Information provided	global-customer-id; service-type	
<b>API name/URI</b>	<b>returns service-instance</b> <b>/business/customers/customer/{global-customer-id}/service-subscriptions/service-subscription/{service-type}/service-instances/service-instance/{service-instance-id}</b>	
Type	Get	
Direction (incoming/outgoing)	outgoing	
Adjacent module(s)		
Information expected	service-instance	
Information provided	global-customer-id, service-type, service-instance-id	

A&AI API Link :

[https://wiki.onap.org/download/attachments/13598793/aai\\_swagger\\_v11.html?api=v2](https://wiki.onap.org/download/attachments/13598793/aai_swagger_v11.html?api=v2)



# SO-AAI

<b>API name/URI</b>	<b>see node definition for valid relationships</b> /business/customers/customer/{global-customer-id}/service-subscriptions/service-subscription/{service-type}/service-instances/service-instance/{service-instance-id}/relationship-list/relationship	
Type	PUT	
Direction (incoming/outgoing)	outgoing	
Adjacent module(s)		
Information expected	response codes	
Information provided	global-customer-id, service-type, service-instance-id, relationship	
<b>API name/URI</b>	<b>delete an existing relationship</b> /business/customers/customer/{global-customer-id}/service-subscriptions/service-subscription/{service-type}/service-instances/service-instance/{service-instance-id}/relationship-list/relationship	
Type	DELETE	
Direction (incoming/outgoing)	outgoing	
Adjacent module(s)		
Information expected	response codes	
Information provided	global-customer-id, service-type, service-instance-id	

A&AI API Link :

[https://wiki.onap.org/download/attachments/13598793/aai\\_swagger\\_v11.html?api=v2](https://wiki.onap.org/download/attachments/13598793/aai_swagger_v11.html?api=v2)

# SO-SDNC

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<https://wiki.onap.org/display/DW/How+to+use+SLI-API+for+SDNC+Model%2C+Directed+Graph+and+Adapter+prototyping>

<https://wiki.onap.org/display/DW/Understanding+the+the+GENERIC-RESOURCE-APIs>

## SDC Catalog APIs

v1.1.0

# SO-Policy

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Find the API at below link

<https://wiki.onap.org/display/DW/Policy+API>

**Thanks**

# SO-SDNC

API name/URI	http(s)://[hostname][:port]/sdnc/MSORequest	
Type	POST	
Direction (incoming/outgoing)	outgoing	
Adjacent module(s)		
Information expected	ack-final-indicator, response-text, response-code	
Information provided	svc-request-id, svc-action, svc-notification-url	
API name/URI	http(s)://[hostname][:port]/v1/sdnc/services	
Type	POST	
Direction (incoming/outgoing)	outgoing	
Adjacent module(s)		
Information expected	response codes	
Information provided	msoRequestId, msoServiceInstanceId	
API name/URI	http(s)://[hostname][:port] /SDNCNotify/services	
Type	POST	
Direction (incoming/outgoing)	outgoing	
Adjacent module(s)		
Information expected	response codes	
Information provided	svc-request-id, response-code	

# SO-SDNC

API name/URI	http(s)://[hostname][:port]/SDNCNotify/event	
Type	POST	
Direction (incoming/outgoing)	outgoing	
Adjacent module(s)		
Information expected	response codes	
Information provided	event-type, event-correlator-type, event-correlator	