Dublin Common Model Mapping

Resource Type	Common Model (JSON)	SDC Model	AAI Model (OXM v13 or greater)	SDN-C Model (Generic Resource API)	SDN-C Model (VNF-API)	Network Discovery API	Openstack API
Service	service	Service Template	service-instance	GENERIC-RESOURCE-API: services service.service-data.service-topology	Service Instance	N/A	N/A
	uuid	UUID	service-instance-id	service-topology-identifier.service-instance-id	N/A		
	name	name	service-instance-name	service-topology-identifier.service-instance-name	N/A		
	modelVersionID		model-version-id	n/a			
	modelInvariantUUID	invariantUUID	model-invariant-id	onap-model-information.model-invariant-uuid	N/A		
VNF	vnfList[*]	Service.VFList	service-instance.relationship ("generic-vnf")[*].generic-vnf	VNFInstance	list of vnf instance	N/A	
	uuid	UUID	vnf-id	N/A	n/a		
	name	name	nf-name	VNFInstance.vnf-topology-information.generic-vnf-name	n/a		
	type	type	vnf-type	VNFInstance.vnf-topology-information.generic-vnf-type	n/a		
	modelVersionID	n/a	model-version-id	n/a			
	modelInvariantUUID	invariantUUID	model-invariant-id	n/a	n/a		
	attributeList [name=nfNamingCode]	n/a	nf-naming-code	n/a	n/a		
	attributeList [name=nfType]	n/a	nf-type	n/a	n/a		
	attributeList [name=nfRole]	n/a	nf-role	n/a	n/a		
	attributeList [name=nfFunction]	n/a	nf-function	n/a	n/a		
VF-MODULE	vnfList[*].vfModuleList[*]	VFModuleList	service-instance.relationship ("generic-vnf")[*].vf-module[*]	VNFInstance.VF Module [x]	list of VF Modules	N/A	
	uuid	vfModuleModelUUID	vf-module-id	N/A	N/A		
	name	n/a	vf-module-name				
	modelVersionID	n/a	model-version-id				
	modelInvariantUUID	vfModuleModelInvariantUUID	model-invariant-id	N/A	N/A		
	modelCustomizationUUID	n/a	model-customization-id				
	minInstances	min_vf_module_instances	N/A	N/A	N/A		
	maxInstances	max_vf_module_instances	N/A	N/A	N/A		
VSERVER	vnfList[*].vfModuleList[*].vmList[*]	N/A	service-instance.relationship ("generic-vnf")[*].relationship ("vserver")[*].vserver	service.vnfs.vnf[*].vnf-data.vf-modules.vf-module[*].vf-module-topology.vf-module-assignments.vms	vf-module-assignments.vms.vm	vserver	server
	uuid		vserver-id	?	vm.id	id	id
	name		vserver-name	vm-name	vm.name	name	name
	attributeList [name=lockedBoolean]		in-maint	?	vm.inMaintenance	attributeList [name=inMaintenance]	locked

	attributeList[name=hostName]		relationship("pserver").relationship-data("pserver.hostname")	?	vm.hostname	attributeList name=hostname]	OS-EXT-SRV-ATTR: hostname
	attributeList[name=imageId]		relationship("image").relationship-data("image.image-id")	?	vm.imageid	attributeList [name=imageId]	image
NETWORK (service)	networkList[*]	N/A	service-instance.relationship("l3-network")[*].l3-network	service.service-data.networks.network[*].network-data.network-topology	N/A	l3-network	network
	uuid		network-id	network-topology-identifier-structure.network-id		id	id
	name		network-name	network-topology-identifier-structure.network-name		name	name
	modelVersionID		model-version-id	n/a		n/a	n/a
	modelInvariantUUID		model-invariant-id	onap-model-information.model-invariant-uuid		n/a	n/a
	attributeList[name=networkRole]		network-role	network-topology-identifier-structure.network-role		n/a	n/a
	attributeList[name=networkType]		network-type	n/a	n/a	n/a	n/a
	attributeList[name=sharedNetworkBoolean]		is-shared-network	n/a		attributeList [name=sharedNetwork]	shared
	attributeList[name=networkType]		network-type	network-topology-identifier-structure.network-type		n/a	n/a
	attributeList[name=networkTechnology]		network-technology	network-topology-identifier-structure.network-technology		n/a	n/a
	~~attributeList[name=resourceVersion]~~		~~resource-version~~	~~n/a~~		~~n/a~~	~~n/a~~
	attributeList[name=physicalNetworkName]		physical-network-name	n/a		n/a	n/a
NETWORK (vf-module)	vnfList[*].vfModuleList[*].networkList[*]	N/A	service-instance.relationship("generic-vnf")[*].vf-module[*].relationship("l3-network")[*].l3-network	service.service-data.vnfs.vnf[*].vnf-data.vf-modules.vf-module[*].vf-module-data.vf-module-topology.vf-module-assignments.vms.vm-networks[*].related-networks[*]	vnfs.vnf-list[*].vnf-topology-information.vnf-resource-assignments.vnf-networks.vnf-network[*]	l3-network	network
	uuid		network-id	network-id	network-id	id	id
	name		network-name	n/a	network-name	name	name
	modelVersionID		model-version-id	n/a	n/a	n/a	n/a
	modelInvariantUUID		model-invariant-id	n/a	n/a	n/a	n/a
	attributeList[name=networkRole]		network-role	network-role	network-role	n.a	n/a
	attributeList[name=sharedNetworkBoolean]		is-shared-network	n/a	n/a	attributeList [name=sharedNetwork]	shared
	attributeList[name=networkType]		network-type	n/a	n/a	n/a	n/a
	attributeList[name=networkTechnology]		network-technology	n/a	n/a	n/a	n/a
	~~attributeList[name=resourceVersion]~~		~~resource-version~~	~~n/a~~	~~n/a~~	~~n/a~~	~~n/a~~
	attributeList[name=physicalNetworkName]		physical-network-name	n/a	n/a	n/a	n/a

NETWORK (VNF)	vnfList[*].networkList[*]	N/A	service-instance.relationship ("generic-vnf")[*].relationship("l3-network")[*].l3-network	service.service-data.vnfs.vnf[*].vnf-data.vnf-topology.vnf-resource-assignments.vnf-networks[*]	vnfs.vnf-list[*].service-data.vnf-topology-information.vnf-assignments.vnf-networks[*]	l3-network	network
	uuid		network-id	network-id	network-id	id	id
	name		network-name	network-name	network-name	name	name
	modelVersionID		model-version-id	n/a	n/a	n/a	n/a
	modelInvariantUUID		model-invariant-id	n/a	n/a	n/a	n/a
	attributeList[name=networkRole]		network-role	network-role	network-role	n/a	n/a
	attributeList[name=sharedNetworkBoolean]		is-shared-network	n/a	n/a	attributeList[name=sharedNetwork]	shared
	attributeList[name=networkTechnology]		network-technology	n/a	n/a	n/a	n/a
	~~attributeList[name=resourceVersion]~~		~~resource-version~~			~~n/a~~	~~n/a~~
	attributeList[name=physicalNetworkName]		physical-network-name			n/a	n/a
VNFC	vnfList[*].vnfcList[*]	vfcNodeTemplate	service-instance.relationship ("generic-vnf")[*].relationship("vnfc")[*].vnfc	VNFInstance.vnf-topology-information.vnf-assignments.vnf-vms[x]	VNFInstance.vnf-topology-information.vnf-assignments.list of VNF-VMS	N/A	
	uuid	UUID	model-version-id	n/a	N/A		
	name	name	vnfc-name	VNFInstance.vnf-topology-information.vnf-assignments.vnf-vms[x].vm-name	N/A		
	modelVersionID	n/a	model-version-id				
	modelInvariantUUID	invariantUUID	model-invariant-id	n/a	N/A		
	attributeList[name=nfcNamingCode]	n/a	nfc-naming-code	VNFInstance.vnf-topology-information.vnf-assignments.vnf-vms[x].vm-type	N/A		
PNF	pnfList[*]	N/A	service-instance.relationship("pnf")[*].pnf	port-mirror-configuration. configuration-data. configuration-operation-information. port-mirror-configuration-request-input. dest[source]-port	N/A	N/A	N/A
	uuid		pnf-id	n/a			
	name		pnf-name	pnf-name			
	modelVersionID		model-version-id	n/a			
	modelInvariantUUID		model-invariant-id	n/a			
	attributeList[name=nfRole]		nf-role	n/a			
	attributeList[name=nfType]		n/a	pnf-type			
	~~attributeList[name=resourceVersion]~~		~~resource-version~~	~~n/a~~	-		
	attributeList[name=name2]		pnf-name2	n/a			
	attributeList[name=name2Source]		pnf-name2-source	n/a			
	attributeList[name=equipType]		equip-type	n/a			
	attributeList[name=equipVendor]		equip-vendor	n/a			
	attributeList[name=equipModel]		equip-model	n/a			
	attributeList[name=swVersion]		sw-version	n/a			
	attributeList[name=frameId]		frame-id	n/a			

	attributeList[name=serialNumber]		serial-number	n/a			
	attributeList[name=managementOptions]		management-option	n/a			
P-Interface	pnfList[*].pInterfaceList[*]	N/A	service-instance.relationship("pnf")[*].p-interface[*]	N/A	N/A	port	port
	uuid		equipment-identifier			id	id
	name		interface-name			name	name
	attributeList[name=interfaceRole]		interface-role			n/a	n/a
	attributeList[name=interfaceType]		interface-type			n/a	n/a
	attributeList[name=speedValue]		speed-value			n/a	n/a
	attributeList[name=speedUnits]		speed-units			n/a	n/a
	attributeList[name=portDescription]		port-description			attributeList[name=description]	description
	~~attributeList[name=resourceVersion]~~		~~resource-version~~			~~n/a~~	~~n/a~~
	attributeList[name=macAddress]		n/a			attributeList[name=macAddress]	mac_address
	attributeList[name=equipmentID]		equipment-identifier			n/a	n/a
	attributeList[name=lockedBoolean]		in-maint			attributeList[name=adminStateUp] value mapped as: true false false true	admin_state_up
pserver	vnfList[*].vfModuleList[*].vmList[*].pServer	N/A	service-instance.relationship("generic-vnf")[*].relationship("pserver")[*].pserver	N/A	N/A	N/A	
	uuid		pserver-id				
	name		hostname				
	attributeList[name=equipType]		equip-type				
	attributeList[name=equipVendor]		equip-vendor				
	attributeList[name=equipModel]		equip-model				
	attributeList[name=fqdn]		fqdn				
	attributeList[name=serialNumber]		serial-number				
	attributeList[name=topology]		internet-topology				
	attributeList[name=lockedBoolean]		in-maint				
	attributeList[name=purpose]		purpose				
	~~attributeList[name=resourceVersion]~~		~~resource-version~~				

	attributeList[name=name2]		pserver-name2			
	attributeList[name=ptniiEquipName]		ptnii-equip-name			
l-interface	vnf.vfModuleList[*].vmList[*].lInterfaceList[*]	N/A	VNFInstance.vf-module[x].vserver[x].lInterfaces	N/A	N/A	N/A
	uuid		interface-id			
	name		interface-name			
	attributeList[name=interfaceRole]		interface-role			
	attributeList[name=isPortMirrored]		is-port-mirrored			
	attributeList[name=provStatus]		prov-status			
	attributeList[name=macAddress]		macaddr			
	attributeList[name=lockedBoolean]		in-maint			
logical-link	pnf.pInterfaceList[*].logicalLinkList[*]	N/A	pnf.p-interfaces.p-interface[*].logical-link	N/A	N/A	N/A
	uuid		link-id			
	name		link-name			
	modelVersionID		model-version id			
	modelInvariantUUID		model-invariant id			
	attributeList[name=lockedBoolean]		in-maint			
	attributeList[name=linkType]		link-type			
	attributeList[name=routingProtocol]		routing-protocol			
	attributeList[name=speedValue]		speed-value			
	attributeList[name=speedUnits]		speed-units			
	attributeList[name=ipVersion]		ip-version			
	attributeList[name=provStatus]		prov-status			
	attributeList[name=linkRole]		link-role			
	attributeList[name=name2]		link-name2			
	attributeList[name=circuitId]		circuit-id			
	attributeList[name=purpose]		purpose			

ⓘ

1. Mapping PNF info form SDN-C Context Builder supports the following scenarios:
   a. 0 PNF associated with source port;   PNF associated with dest port exists
   b. 0 PNF associated with dest port; PNF associated with sorce port exists
   c. Both source and dest port associated PNF are not present (NULL)
   d. Both source and dest port associated PNF are present
2. Validation logic of PNF-DATA between SDN-C data source and A&AI data source pending to further enhancement to the model in respect to PNF uuid