

- OSM claims alignment with ETSI NFV IM, and uses YANG as the data model language.
- ONAP R1 service model (service descriptor and NSD) based on the SDC implementation. The IM is partially aligned with ETSI NFV release 2. The DM is implemented based on SDC-AID.
- ONAP R1 VNFD modeling based on the VFC implementation. The IM is partially aligned with ETSI NFV release 2. The DM is implemented based on tosca-nfv-profile-wd04-rev06.

NSD modelling

ETSI NFV Release 1 (MAN001)	ETSI NFV Release 2 IFA014	OSM R2	ONAP R1 Service Model (SDC)
Id	nsdIdentifier	Id	UUID
vendor	designer	logo	-
version	version	version	
	nsdName	name	name
	nsdInvariantId	Short_name	invariantUUID
	nestedNsd		
		description	
vnfd	vnfdId	Constituent-vnfd	VNFD (topology template / node template)
vnffgd	vnffgd	vnffgd	
		ip-profiles-list (parameters related to VL)	
vld	virtualLinkDesc	vld	tosca.nodes.nfv.VL
lifecycle_event	LifeCycleManagementScript		tosca.interfaces.node.lifecycle.Standard
vnf_dependency		vnf-dependency	Imports external VF yaml file
monitoring_parameter	monitoredInfo	monitoring-param	org.openecomp.capabilities.Metric
service_deployment_flavour	nsDeploymentFlavour (including VNF dependency, scaling aspect, affinityOrAntiAffinityGroup)	scaling-groupdescriptor	
		placement-groups	Group
auto_scale_policy	autoScalingRule		tosca.policies.Scaling
connection_point	sapd	Connection-point	tosca.nodes.nfv.CP
pnfd	pnfdId	Not supported in the current release	org.openecomp.resource.abstract.nodes.PNF
nsd_security	security		
		input-parameterxpath	
		parameter-pool	
		service-primitive	
		initial-configprimitive	
		terminate-configprimitive	
	<ul style="list-style-type: none"> ● Most of the properties (around 90%) are matched between NFV release 2 and NFV release 1 	<ul style="list-style-type: none"> ● 50% of the properties can be mapped to either NFV release 1 or NFV 	<ul style="list-style-type: none"> ● 85% of the properties can be mapped to either NFV release 1 or NFV release 2 model

		<ul style="list-style-type: none"> release 2 model Other properties are OSM R2 proprietary. 	
		<ul style="list-style-type: none"> Around 85% of the properties in NFV release 1 or NFV release 2 model can be covered by the OSM R2 model 	<ul style="list-style-type: none"> Around 85% of the properties in NFV release 1 or NFV release 2 can be covered by the ONAP R1 service model

VNFD modeling

ETSI NFV Release 1 (MAN001)	ETSI NFV Release 2 IFA011	OSM R2	ONAP R1 VNFD model (VFC gVNFM model)
Id	vnfdId	id	Id
	vnfProduceName	name	vnfProductName
vendor	vnfProvider	vendor	vnfProvider
		logo	
descriptor_version	vnfdVersion	version	vnfdVersion
version	vnfSoftwareVersion		vnfSoftwareVersion
	vnfProductInfoName		vnfProductInfoName
	vnfProductInfoDescription	description	vnfProductInfoDescription
	vnfmInfo		vnfmInfo
	localizationLanguage		localizationLanguage
	defaultLocalizationLanguage		defaultLocalizationLanguage
vdu	vdu	vdu	tosca.nodes.nfv.VDU
	virtualComputeDesc		virtual_compute
	virtualStorageDesc		virtual_storage
virtual_link	intVirtualLinkDesc	internal-vld	tosca.nodes.nfv.VirtualLinkDesc
connection_point	vnfExtCpd	connectionpoint	tosca.nodes.nfv.VduCpd
lifecycle_event	lifeCycleManagementScript		
dependency		vddependency	Relationship template or Plan
monitoring_parameter		monitoringparam	
deployment_flavour	deploymentFlavour (including dependency, monitoring parameter)		
auto_scale_policy	autoScale		
manifest_file	Included in the VNF package		
manifest_file_security	Included in the VNF package		
	configurableProperties	vnfconfiguration	
	elementGroup	placementgroups	
	vnfIndicator		
	modifiableAttributes		
		Servicefunctionchain	
		servicefunction-type	
	testAccess in VL	mgmtinterface	
	<ul style="list-style-type: none"> ETSI NFV release 2 model adds 50% of new 	<ul style="list-style-type: none"> 50% of the 	<ul style="list-style-type: none"> 50% of the properties can be

	<p>properties compared to ETSI NFV release 1 model.</p>	<p>properties can be mapped to NFV release 1 model</p> <ul style="list-style-type: none"> ● 50% of the properties can be mapped to NFV release 2 model ● Other properties are OSM R2 proprietary. 	<p>mapped to NFV release 1 model</p> <ul style="list-style-type: none"> ● most of the properties can be mapped to NFV release 2 model
		<ul style="list-style-type: none"> ● Around 60% of the properties in NFV release 1 can be covered by the OSM model ● Around 40% of the properties in NFV release 2 can be covered by the OSM R2 model 	<ul style="list-style-type: none"> ● Around 50% of the properties in NFV release 1 can be covered by the ONAP-VFC model ● Around 60% of the properties in NFV release 2 can be covered by the ONAP-VFC model