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# OSM#12 Hackfest

## OSM Release ELEVEN New Features

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# OSM Release ELEVEN New Features



## SOL004 and SOL007 package formats



## Brand-new support for Google Cloud

- Completing the infrastructure support for 3 largest public clouds



## Fine-grained operations in CNFs

- Start and stop services
- Run one-shot commands
- Files API



## Better coordination across PNFs, VNFs, and CNFs

- Enhanced data exchange between NFs in the NS.



## CNF monitoring from Kubernetes metrics

- Metrics collection from K8s clusters in centralized Grafana dashboard.



## Enhanced installation process

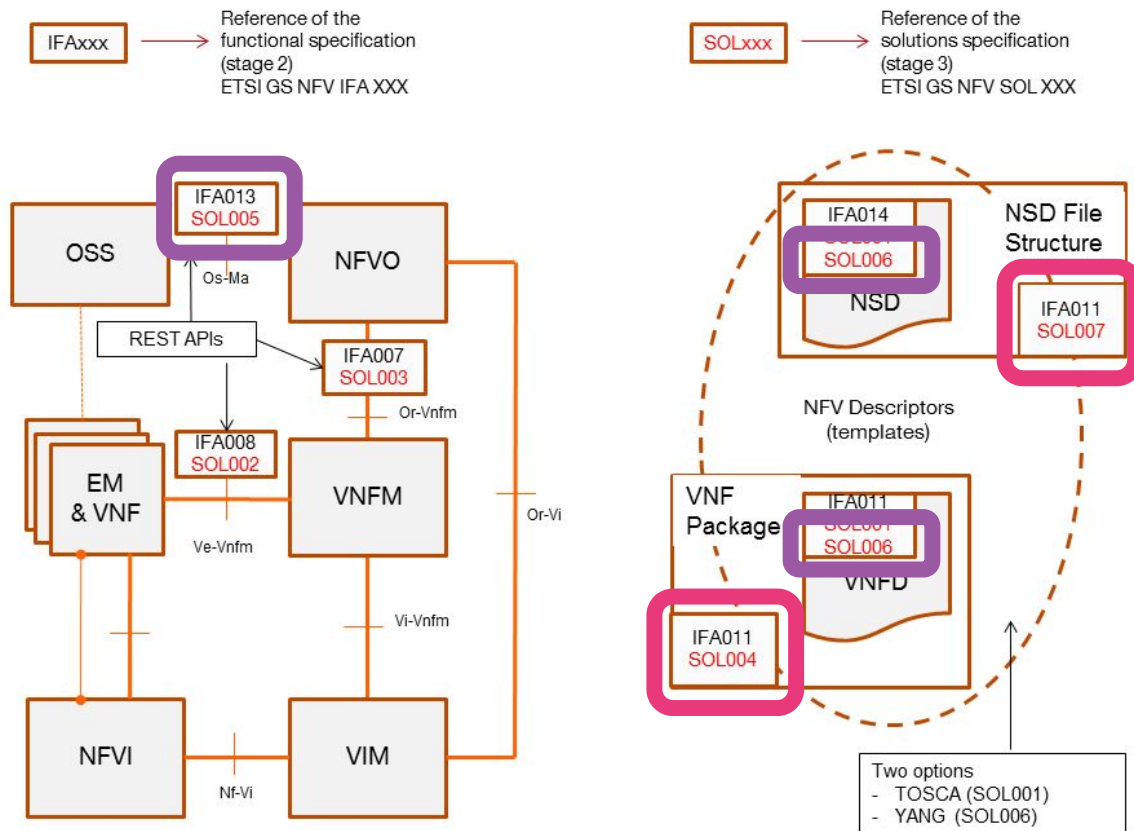
- Support of Ubuntu 20.04 and better tracking of the installation process.



Soon available at:  
[osm.etsi.org](https://osm.etsi.org)

... and other improvements in usability and stability derived from the learnings of latest OSM production deployments

# SOL004 & SOL007



# VIM plugin for Google Cloud

PROJECT

Packages

Instances

NS Instances

VNF Instances

PDU Instances

NetSlice Instances

Operational Dashboard

SDN Controller

VIM Accounts

K8s

OSM Repositories

WIM Accounts

ADMIN

Projects

Users

## NS Instances

init

running / configured

failed

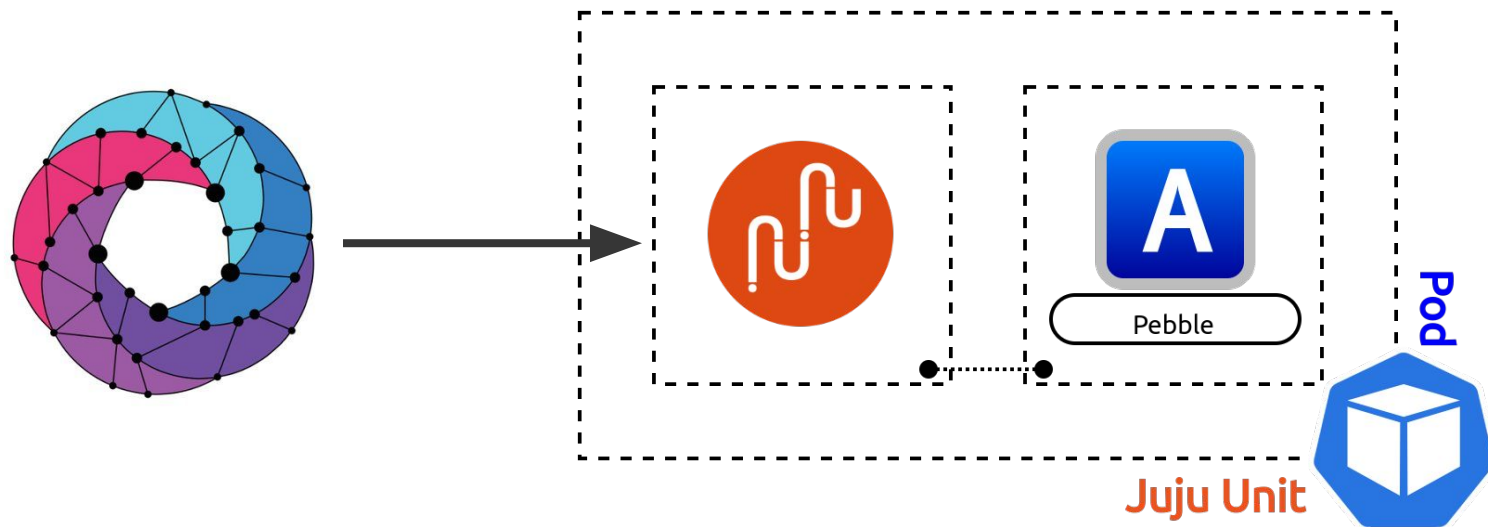
scaling

Entries 10

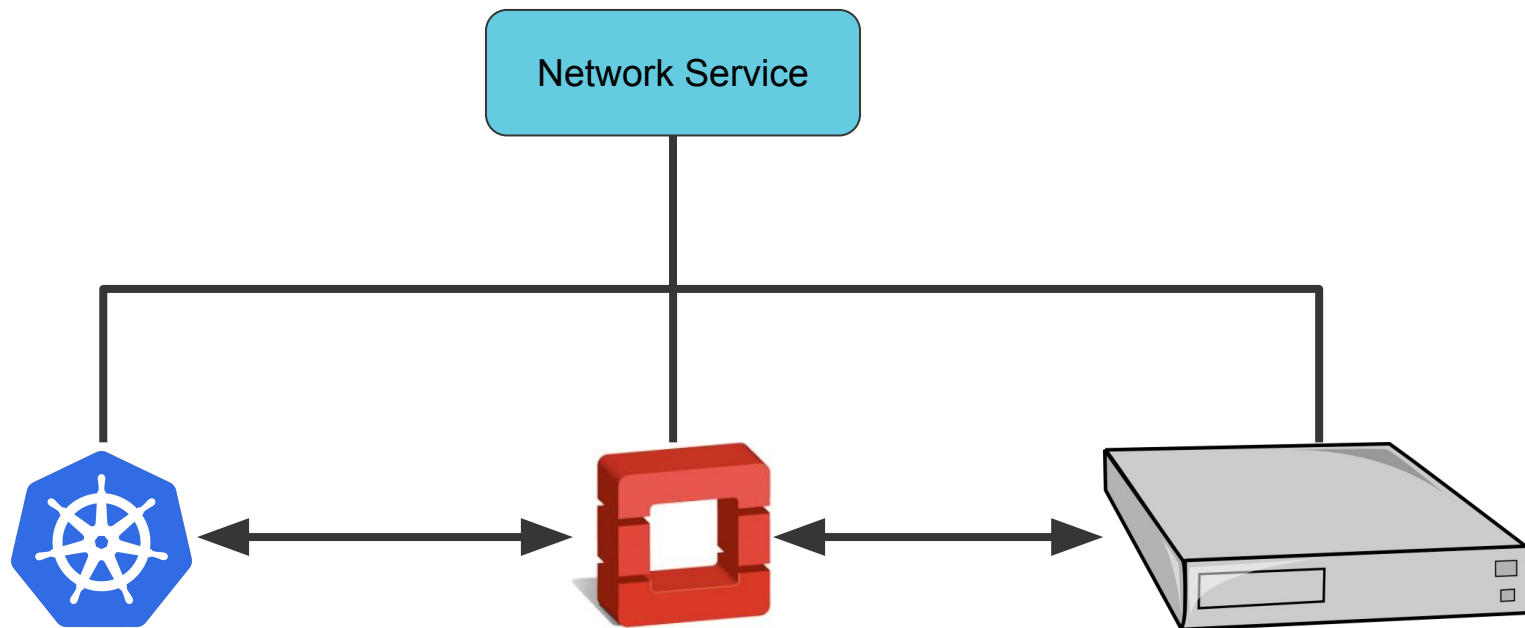
Name	Identifier	Nsd name	Operational Status	Config Status	Detailed Status	Actions
<input type="text" value="Name"/>	<input type="text" value="Identifier"/>	<input type="text" value="Nsd name"/>	<input type="text" value="Select"/>	<input type="text" value="Select"/>	<input type="text" value="Detailed Status"/>	
pcf-dbtier-gcp1	236b9020-bce1-48d2-9e5d-896183705da5	cndbtier_nsd	<div></div>	<div></div>	Done	<div><div></div><div></div><div></div><div></div><div>Action</div></div>
pcf-dbtier-openstack1	4f855316-8564-4bcd-ba28-5f72de14645	cndbtier_nsd	<div></div>	<div></div>	Done	<div><div></div><div></div><div></div><div></div><div>Action</div></div>
pcf-elasticsearch-gcp1	68300ee6-c38b-4a4a-8d24-6531a13dc2ae	elasticsearch_nsd	<div></div>	<div></div>	Done	<div><div></div><div></div><div></div><div></div><div>Action</div></div>
pcf-elasticsearch-openstack1	de41228a-d577-4687-b3fa-a32e73939ff4	elasticsearch_nsd	<div></div>	<div></div>	Done	<div><div></div><div></div><div></div><div></div><div>Action</div></div>
pcf-elasticsearch-gcp1	57b6715a-dc43-4c76-8f73-d64dad2b54ce	elastic_tools_nsd	<div></div>	<div></div>	Done	<div><div></div><div></div><div></div><div></div><div>Action</div></div>
pcf-elasticsearch-openstack1	45cdfc63-e88d-48b5-a40e-49ba0e61232d	elastic_tools_nsd	<div></div>	<div></div>	Done	<div><div></div><div></div><div></div><div></div><div>Action</div></div>
pcf-ocpcf-gcp1	e0ce0b8a-077f-469a-b3de-d69955643f89	ocpcf_nsd	<div></div>	<div></div>	Done	<div><div></div><div></div><div></div><div></div><div>Action</div></div>
pcf-prometheus-gcp1	85f7403a-6685-4c05-920d-a2c252f28b84	prometheus_suite_nsd	<div></div>	<div></div>	Done	<div><div></div><div></div><div></div><div></div><div>Action</div></div>
pcf-prometheus-openstack1	e2b49f55-f597-4980-8996-ffe5d7497717	prometheus_suite_nsd	<div></div>	<div></div>	Done	<div><div></div><div></div><div></div><div></div><div>Action</div></div>



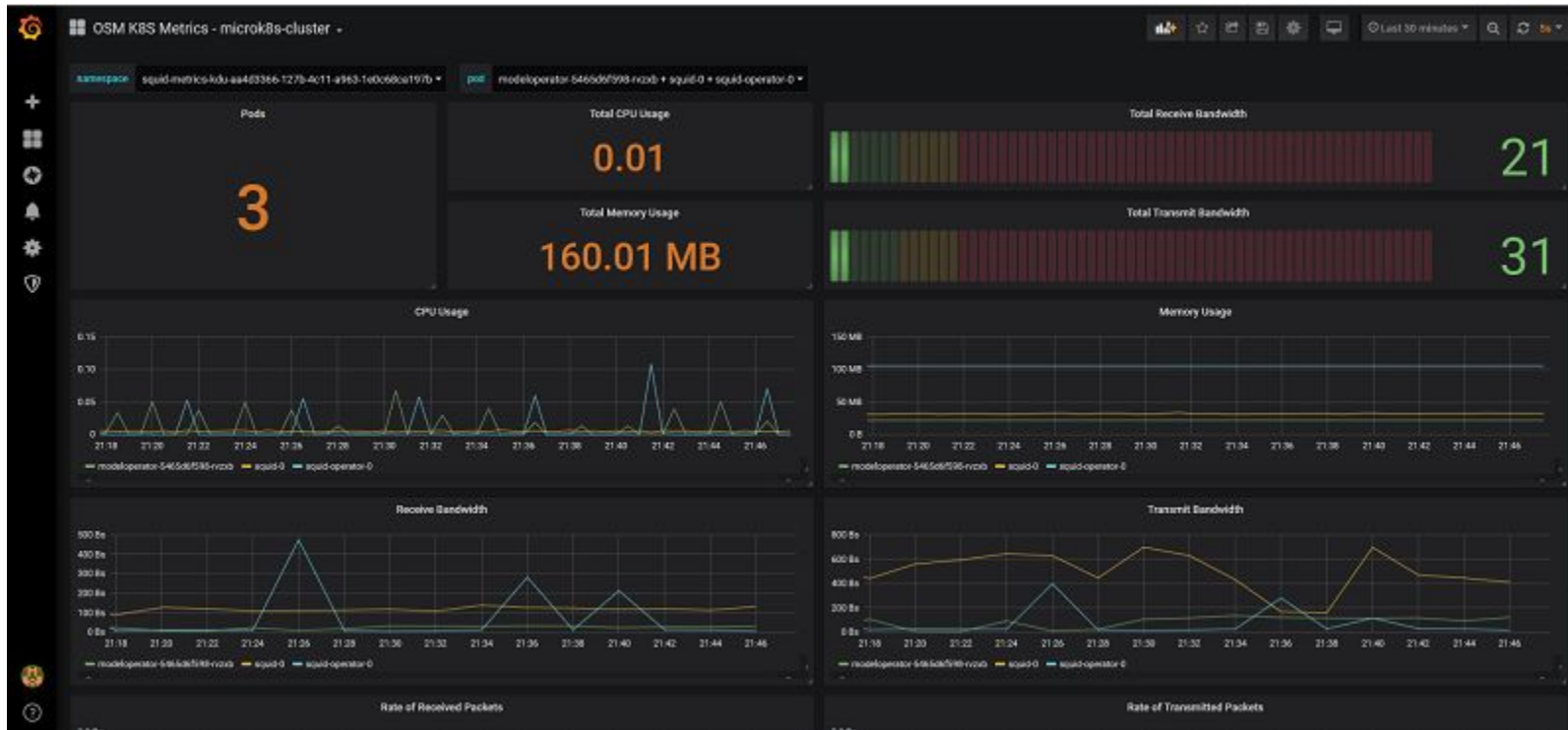
# Fine-grained operations in CNFs



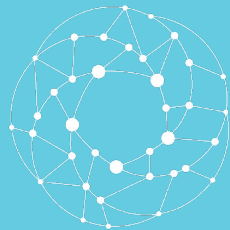
# Integration across PNF, VNF, and CNFs



# CNF Monitoring of Kubernetes







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Thank you  
Questions?