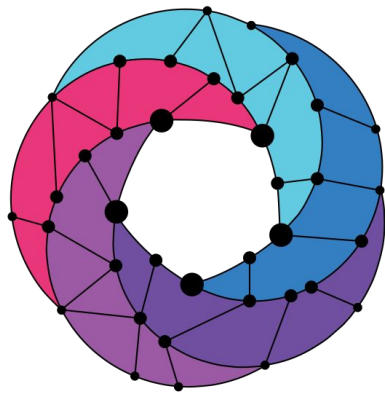




Open Source
MANO

Charmed OSM in a box

Mark Beierl (Canonical)

David Garcia (Canonical)

Canonical in OSM community

Senior Advisor	Mark Shuttleworth
TSC Member	Mark Beierl
N2VC Module Lead	David García
RO Module Lead	Gulsum Atici
VNF Onboarding TF Chair	Maciej Mazur
OSM MARCOM TF Chair	Wajeeha Hamid

Day-1 and day-2 operations

Charm Operator

Lifecycle, actions and integration

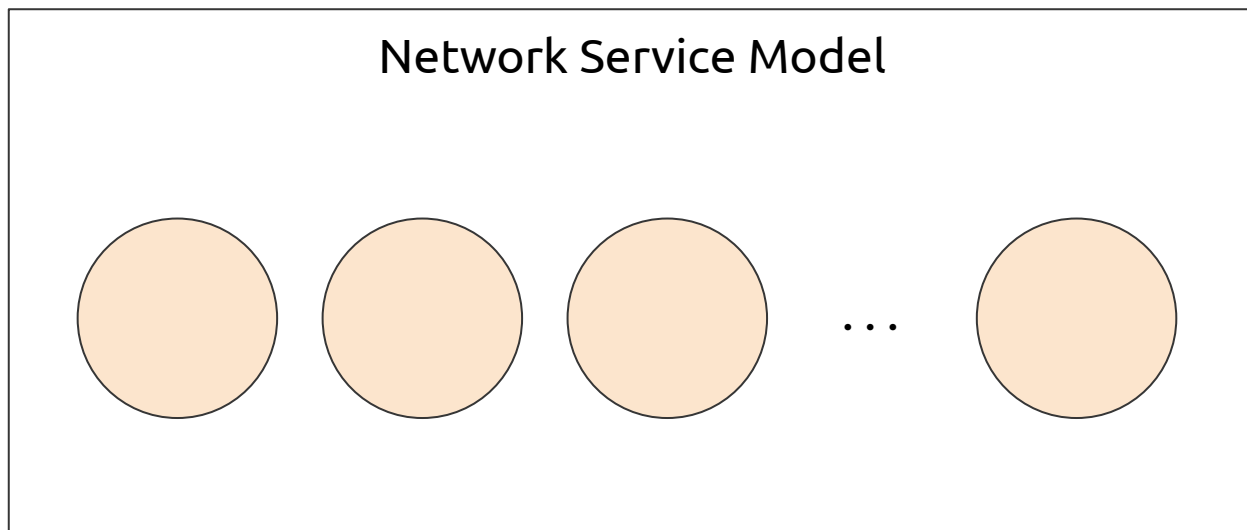


Model-driven OLM

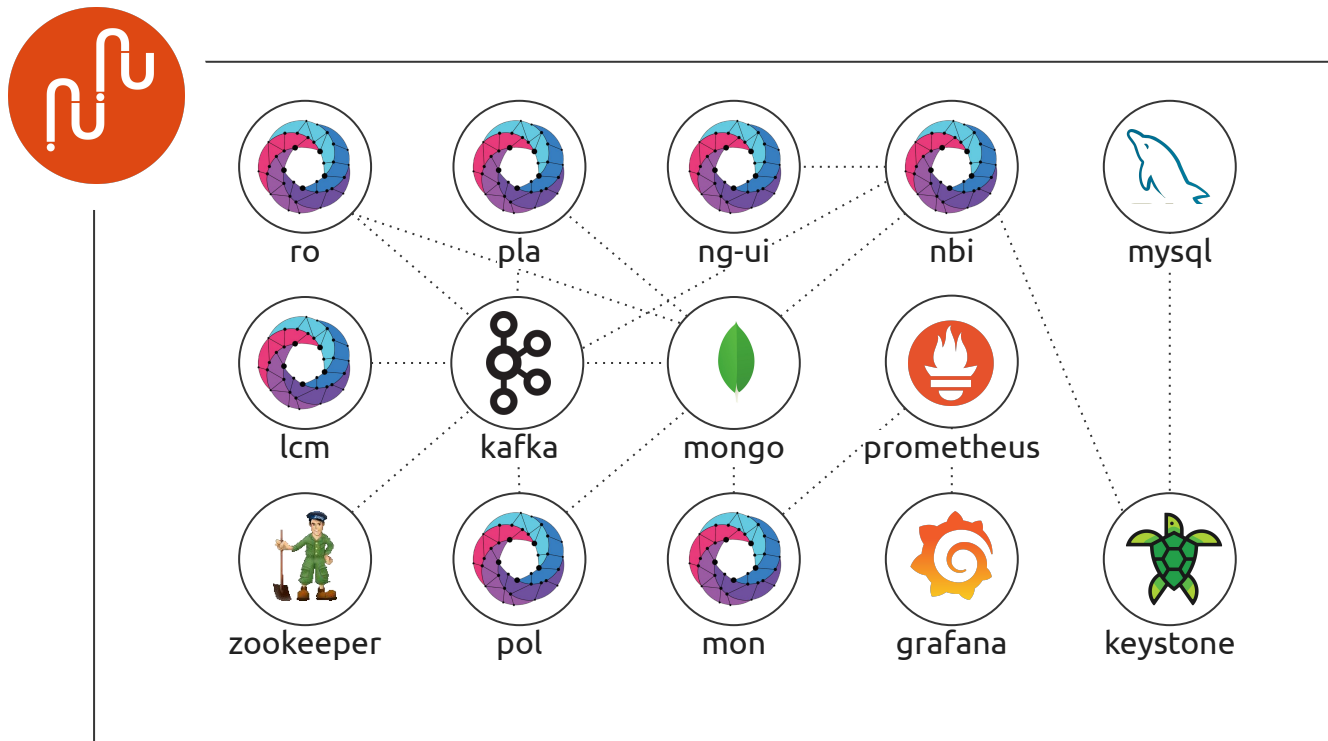
Operator Lifecycle Manager



Juju (OLM)



Charmed OSM



“Open source, carrier-grade, **model-driven** OSM, with **enterprise support** and long term security updates, for the community, partners, and telcos.”

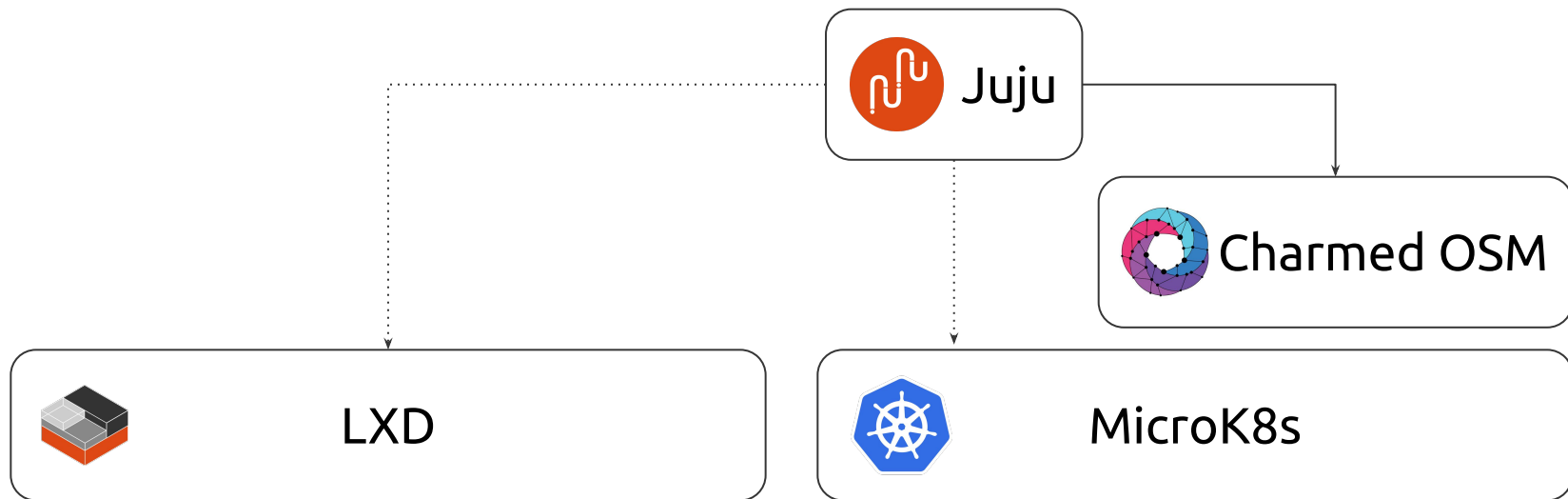


Standard installation

```
$ wget https://osm-download...install_osm.sh
```

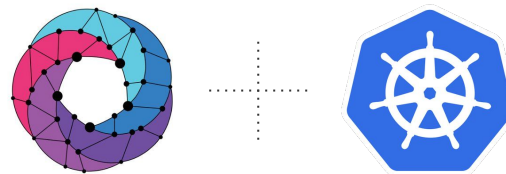
```
$ chmod +x install_osm.sh
```

```
$ ./install_osm.sh --charmed
```

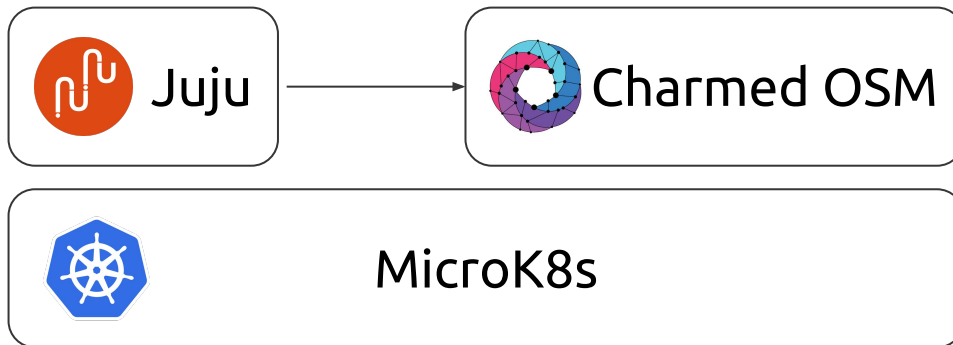


Small Installation Profile

- No installer needed
- Minimal footprint
- **Kubernetes-focused** installation
 - LXD not provisioned
- Ideal for developers



Small Installation Profile

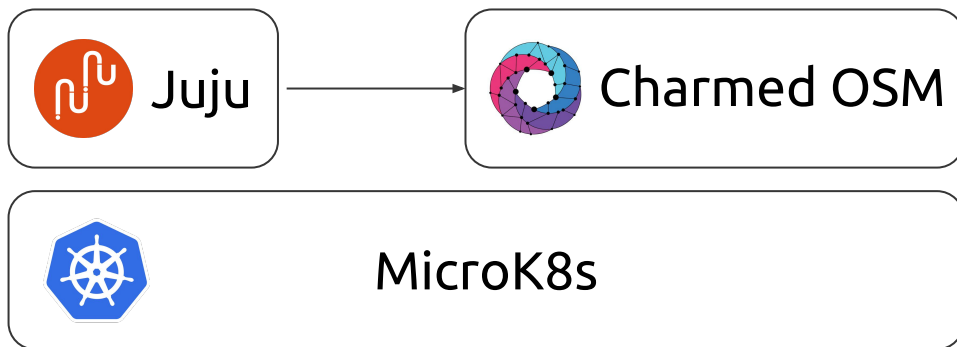


Installation steps

```
$ juju bootstrap microk8s
```

```
$ juju add-model osm
```

```
$ juju deploy osm --trust --channel beta
```



Installation steps

```
$ JUJU_PATH=~/.local/share/juju  
$ juju config vca-integrator k8s-cloud=microk8s \  
  controllers="`cat $JUJU_PATH/controllers.yaml`" \  
  accounts="`cat $JUJU_PATH/accounts.yaml`" \  
  public-key="`cat $JUJU_PATH/ssh/juju_id_rsa.pub`"
```



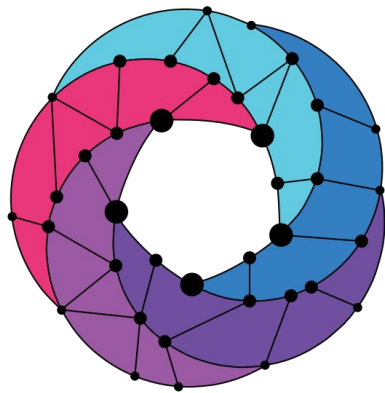
Installation steps

```
$ sudo snap install osmclient
```

```
$ juju status nbi
```

App	...	Charm	Store	OS	Address
nbi	...	osm-nbi	charmhub	kubernetes	10.152.183.61

```
$ export OSM_HOSTNAME=10.152.183.61
```



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Thank you!