

MOBILEUM'S NFV JOURNEY

DANIEL RAJ NELATURI
SR ARCHITECT - R&D



mobileum

Action driven by intelligence



Agenda

- Who Are We & What We Do
- Mobileum NFV Journey
- Participation In Plugtest & Experince With OSM
- K8s Demo Using OSM



Who Are We & What We Do

Global Leader

Mobileum is a leading provider of analytics solutions for the Telecom industry

+900

Customers

+300

Leading market solutions worldwide

+1800

Professionals

25

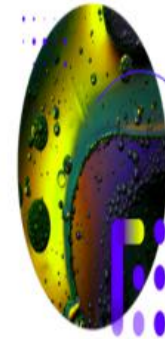
Offices

Roaming Intelligence



Software solutions to optimize multi-network mobility in both the roaming and domestic markets.

Fraud & Risk Intelligence



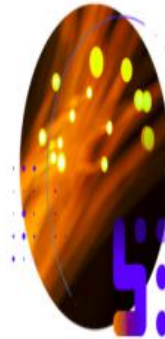
Software solutions that deliver an integrated approach to revenue assurance and fraud management.

Security Intelligence



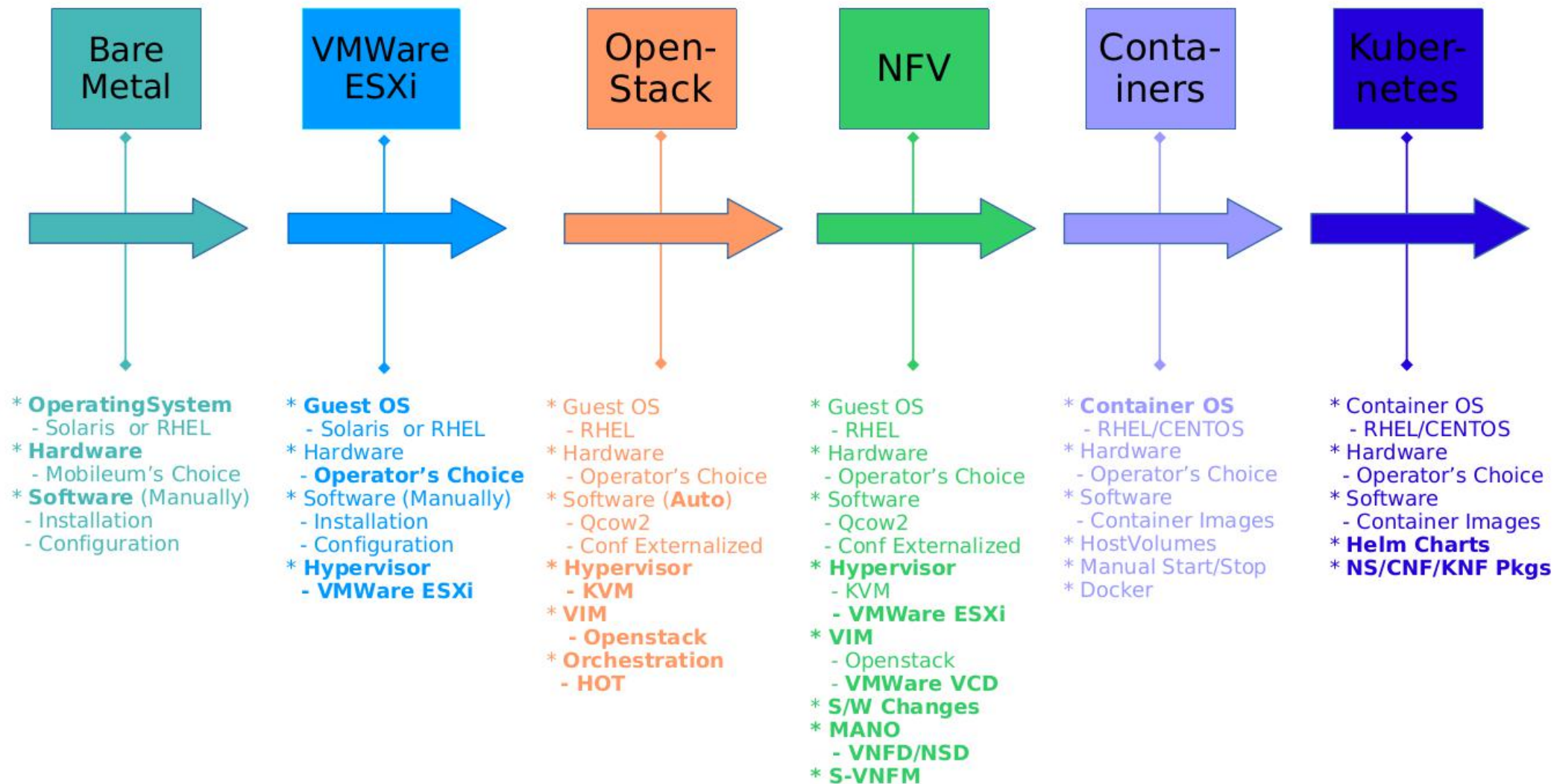
Software solutions to ensure the highest level of telecom cybersecurity.

Business Ops Intelligence

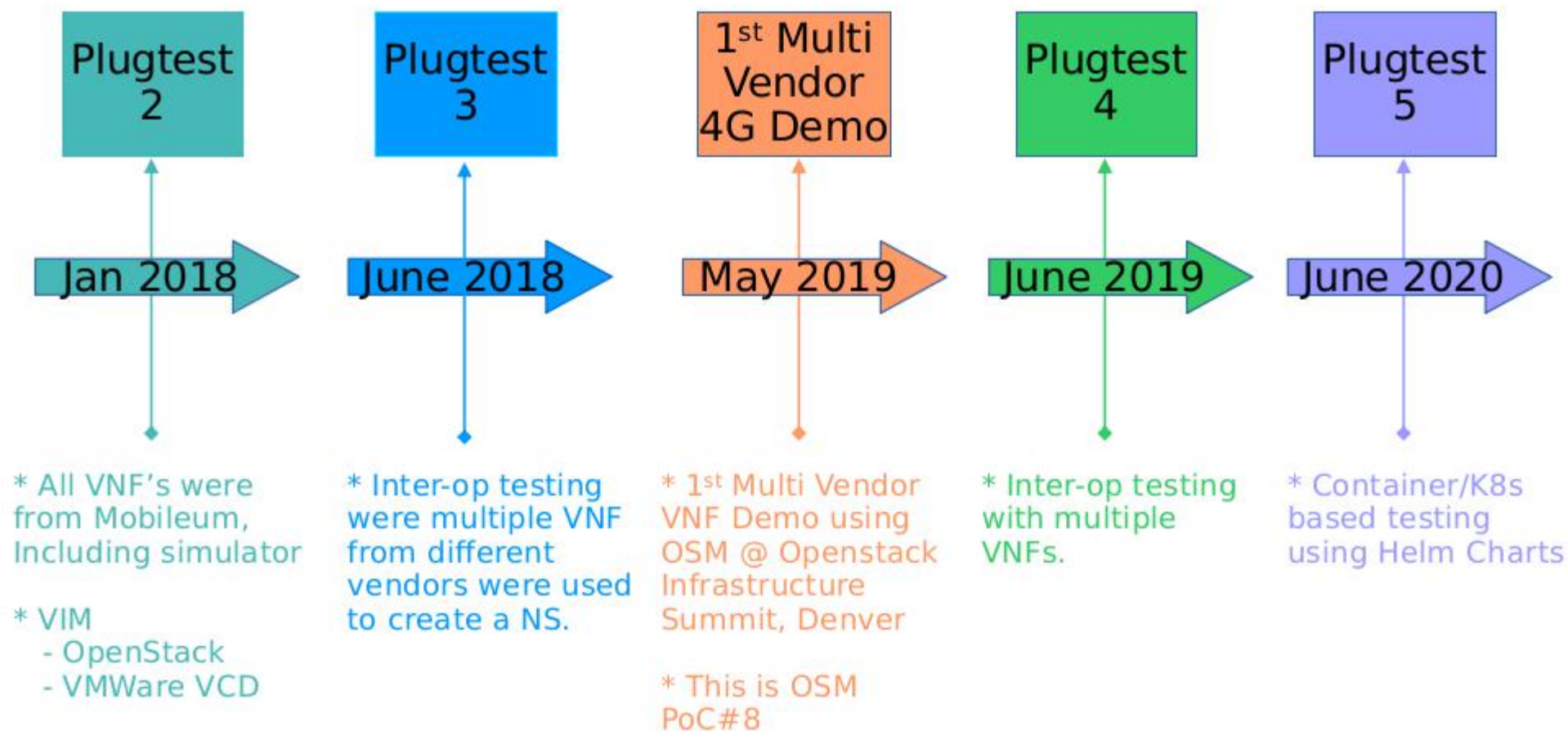


Software solutions that support business operations processes like credit scoring, collections, incentives management.

Mobileum's NFV Journey

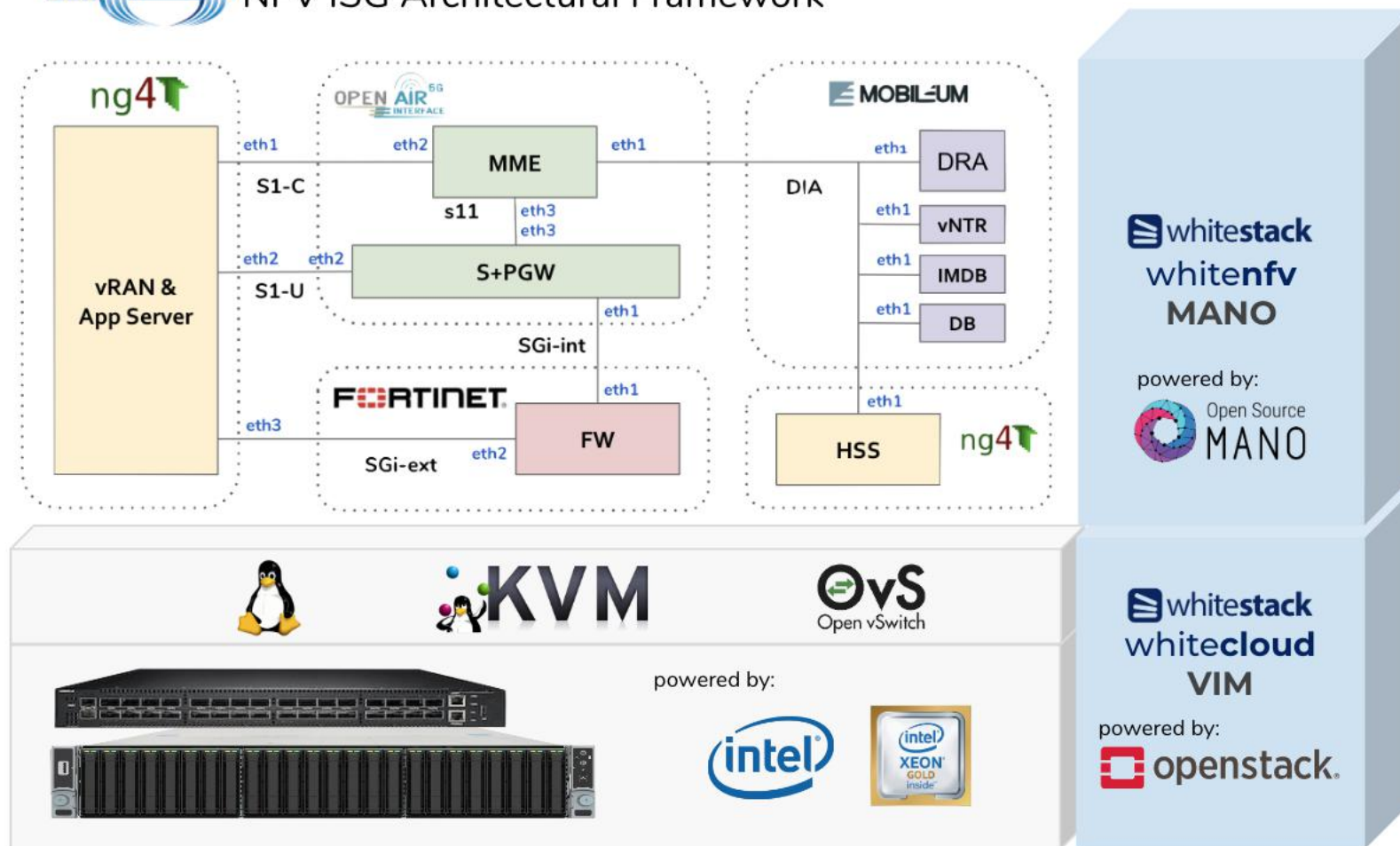


Plugtest Participation & OSM Experience

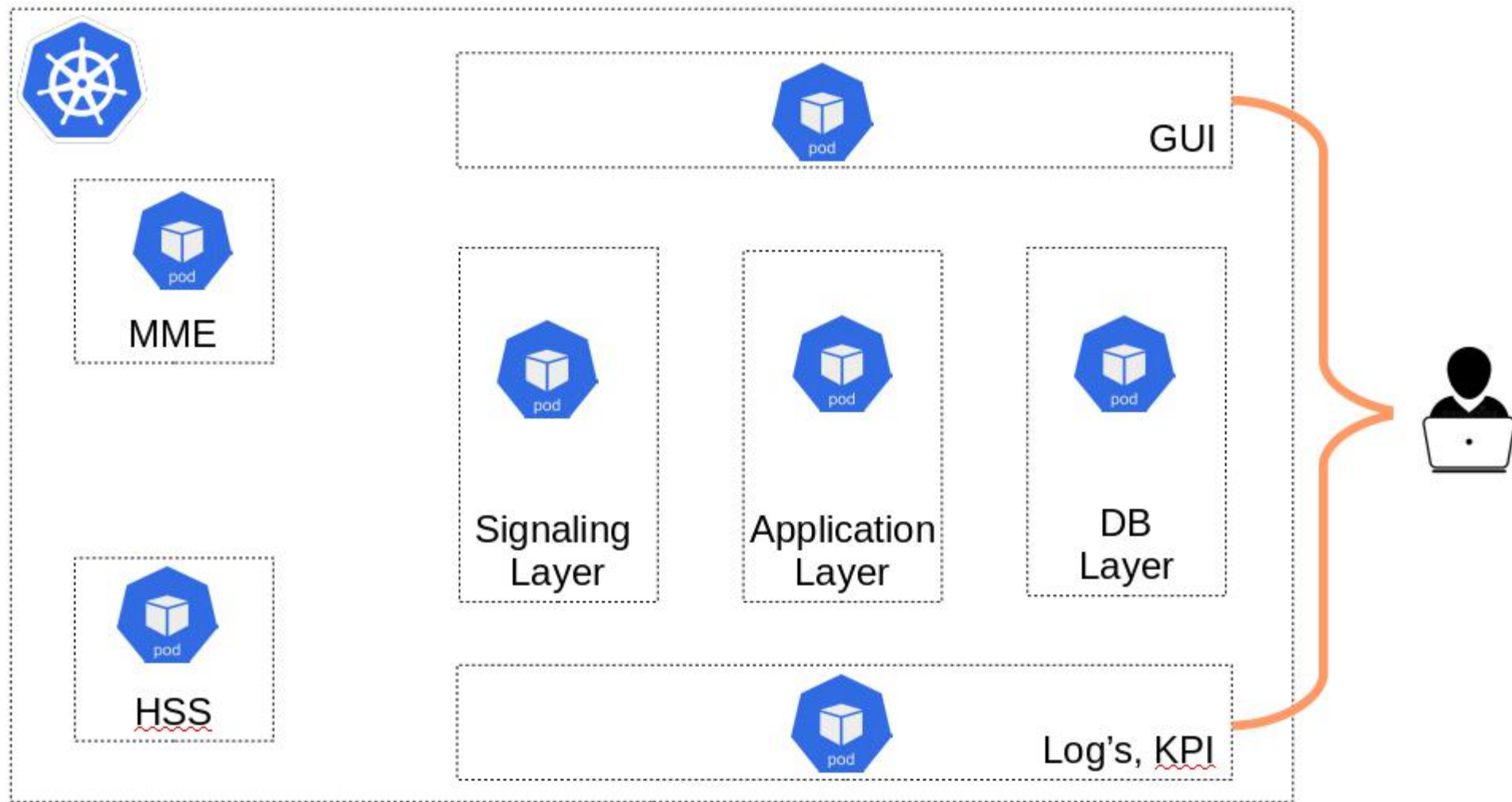


OSM PoC 8 1st Multi-vendor NFV Showcase

ETSI NfV ISG Architectural Framework



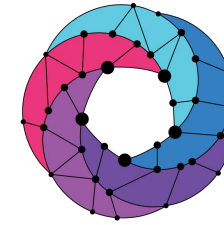
Mobileum's K8s Deployment Architecture(Evolving)



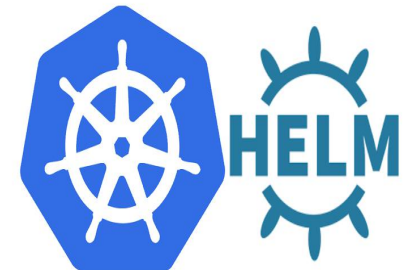


Pre-Requisites For K8s Demo Using OSM

- Working
 - Openstack Setup
 - Kubernetes Cluster
 - OSM
- Container Images
- Container Image Registry to host images
- Working, Helm Charts
- Helm Repository to host helm charts



Open Source
MANO

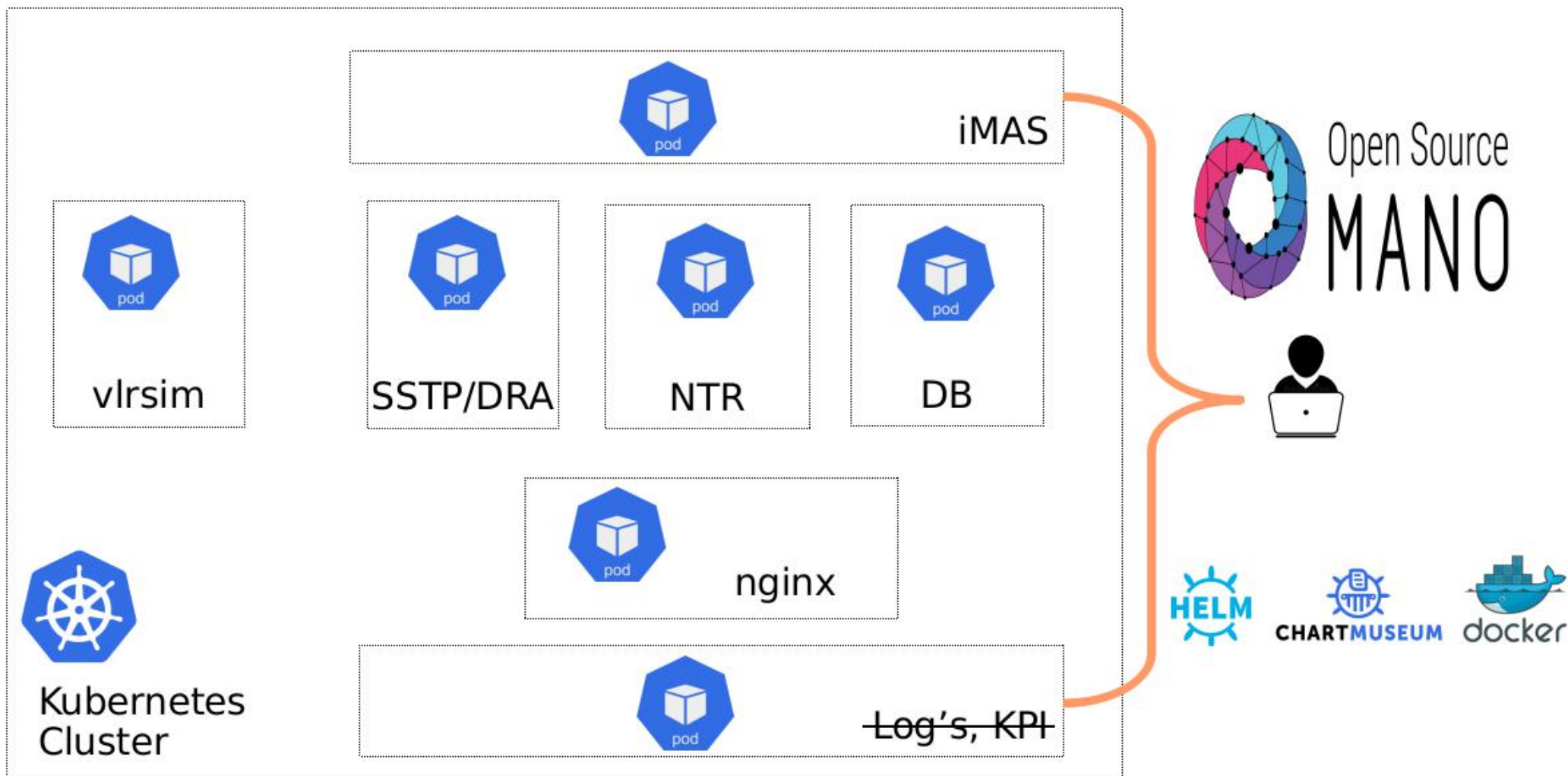


CHARTMUSEUM



docker

K8s Demo Using OSM





Few Thoughts

- During Instantaion its good to have refresh button.
- Helm repo – works only without credentials. In Future we might need credentials.
- Repo for helm charts is mandatory :-(
 - With VNF's it was possible to upload just NS/VNF packages. But for conatiners we need to add two different packages at different places helm & NF/KNF packages.
- For Kubernetes based deployment we need a working Openstack Setup -bit annoying (there could be cases where only kubernetes cluster is available).
- For Kubernetes I wish I had option to instantiate KNF's in order, say I want DB container to come up first before my application or signaling containers comes up.
- KNF/NS package should not exceed 15MB

Overall OSM Experince Is Awesome.!!
And its one of the best MANO's out in the Market.

THANK YOU



mobileum

Action driven by intelligence