

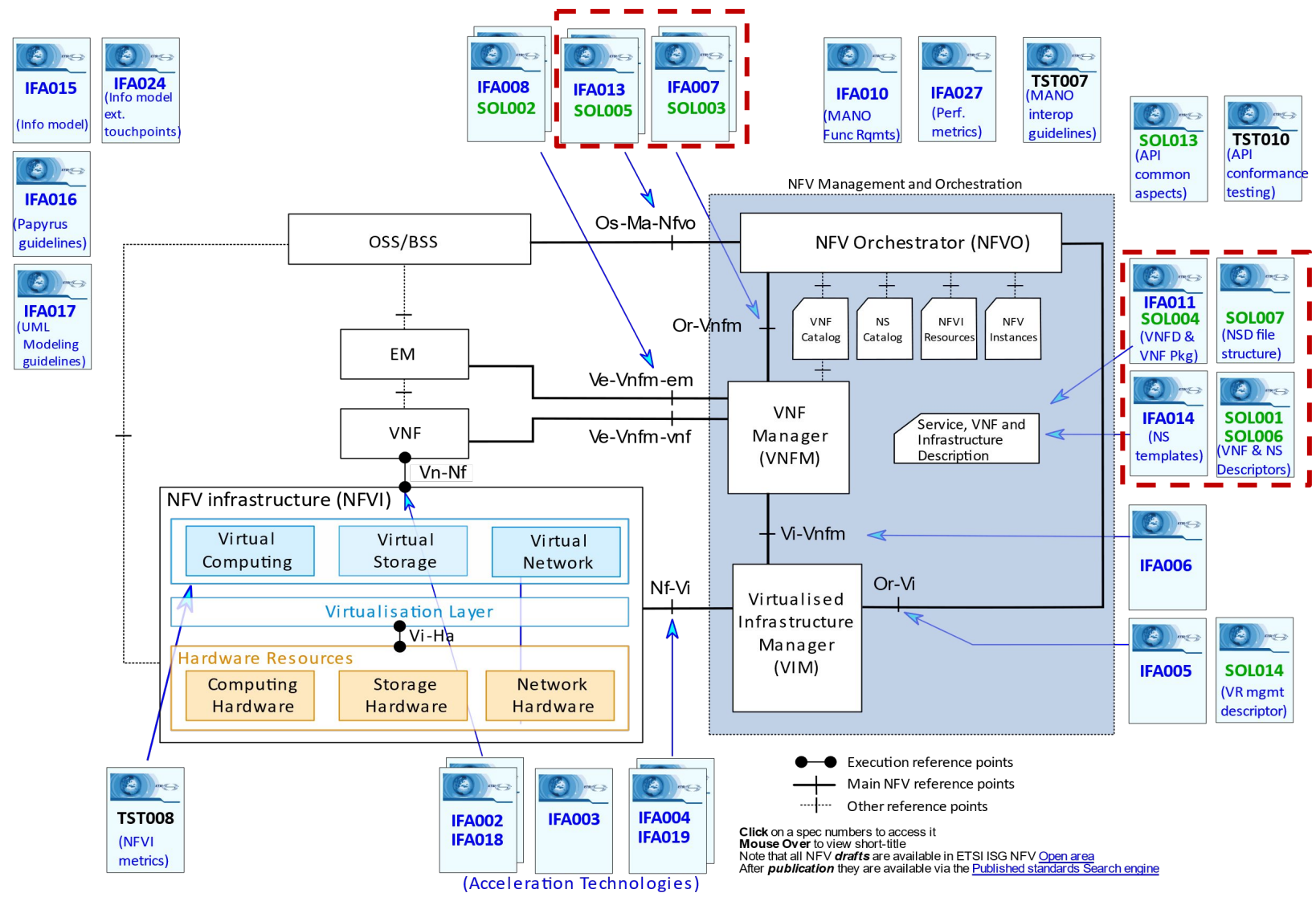
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# OSM Architecture

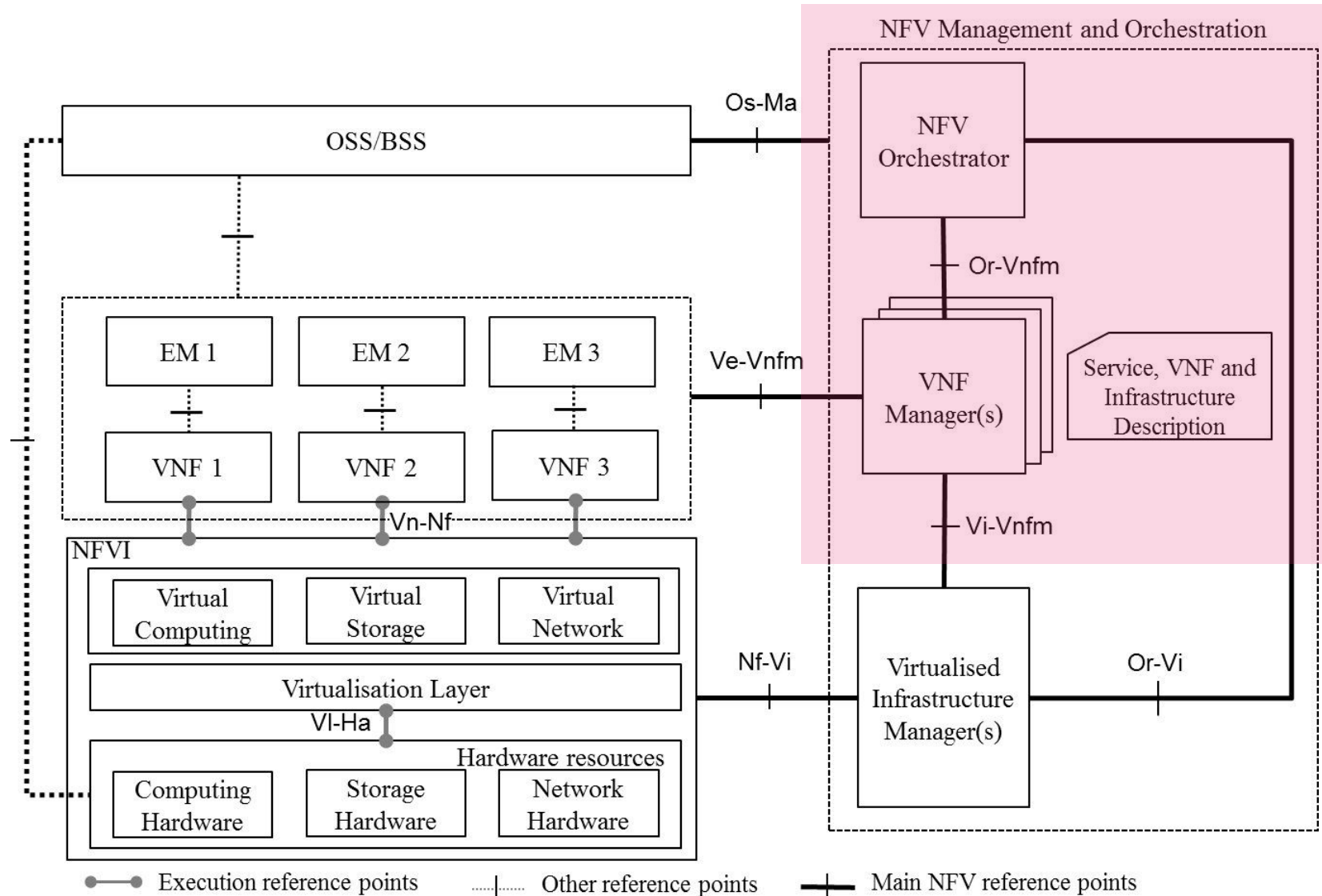
16/06/2022

# OSM and NFV Architecture

# ETSI NfV Architecture



# OSM in ETSI NFV Architecture



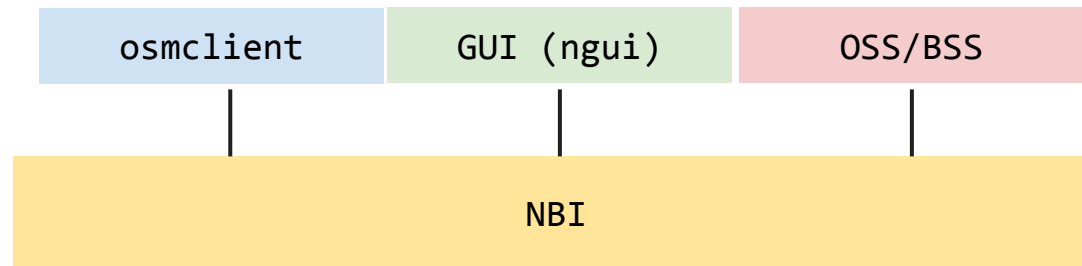


# OSM Architecture

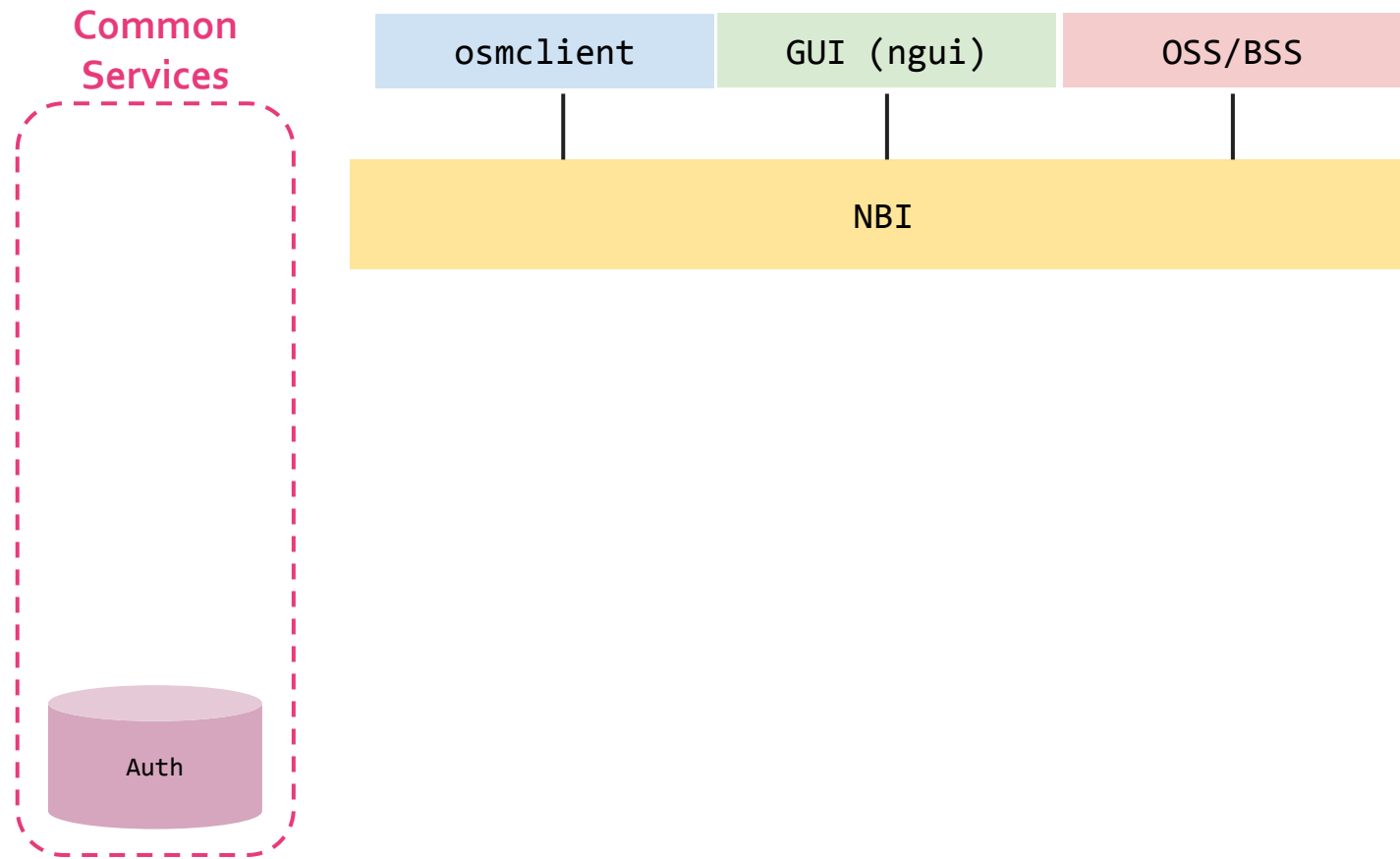
# OSM Architecture

NBI

# OSM Architecture

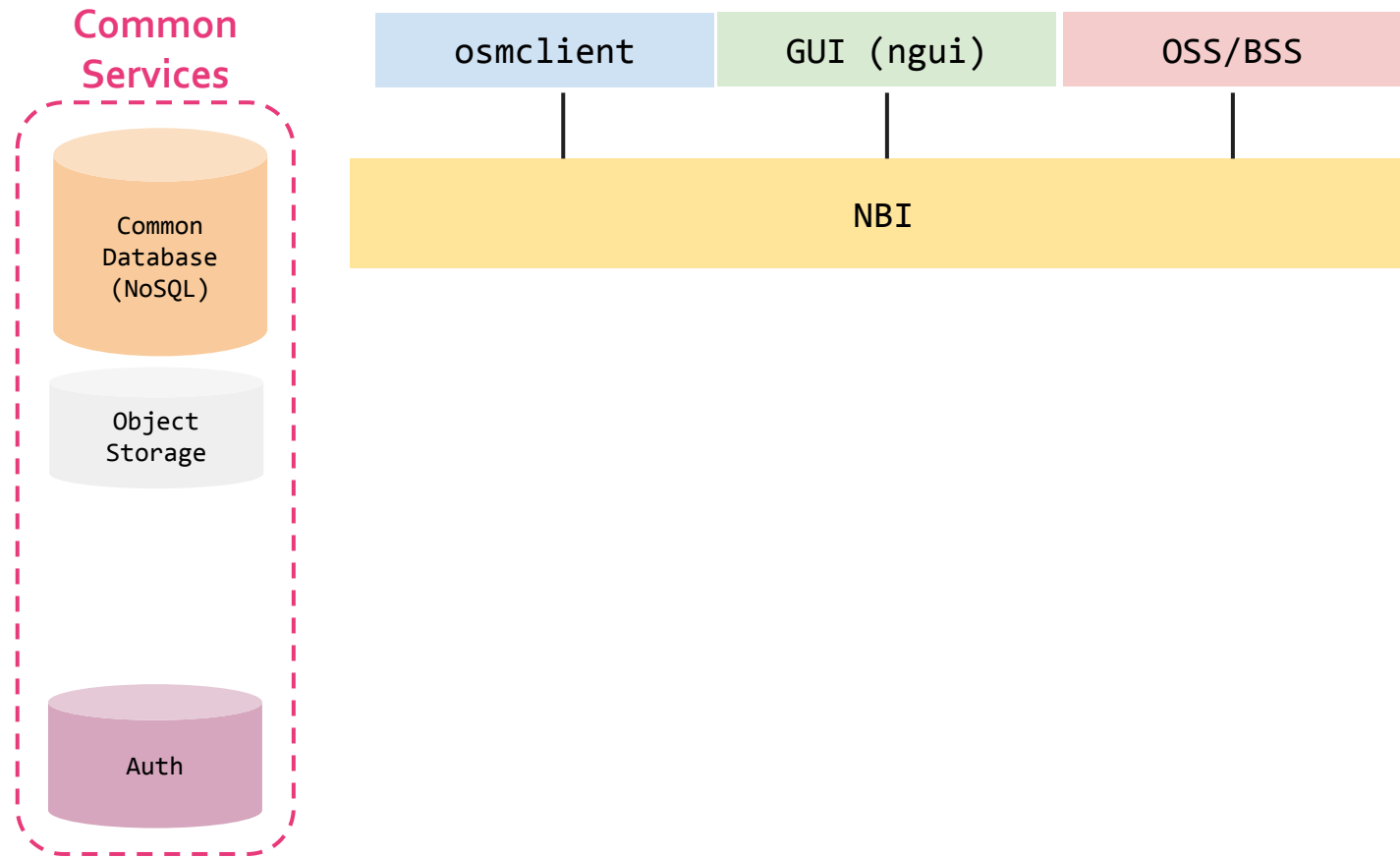


# OSM Architecture

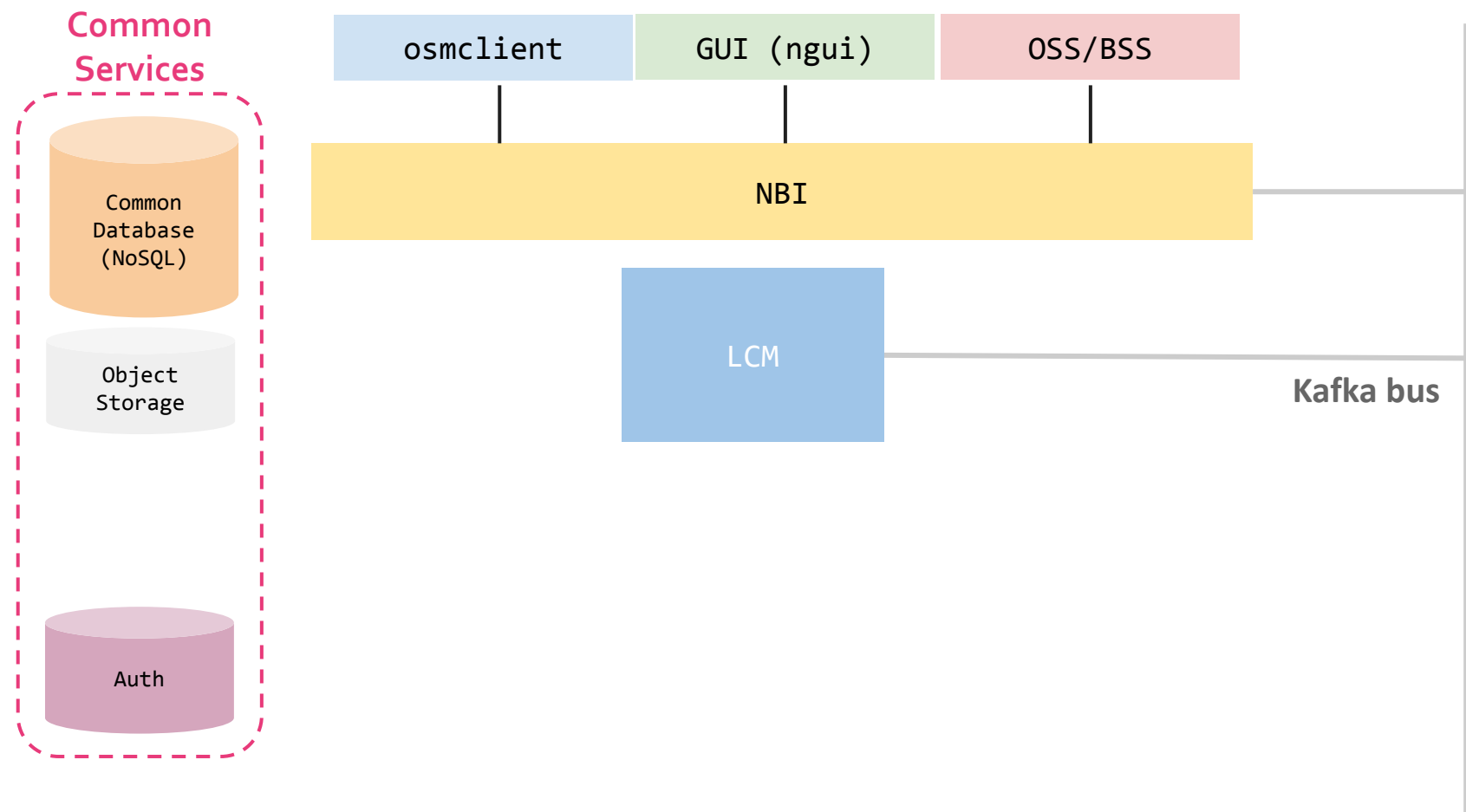




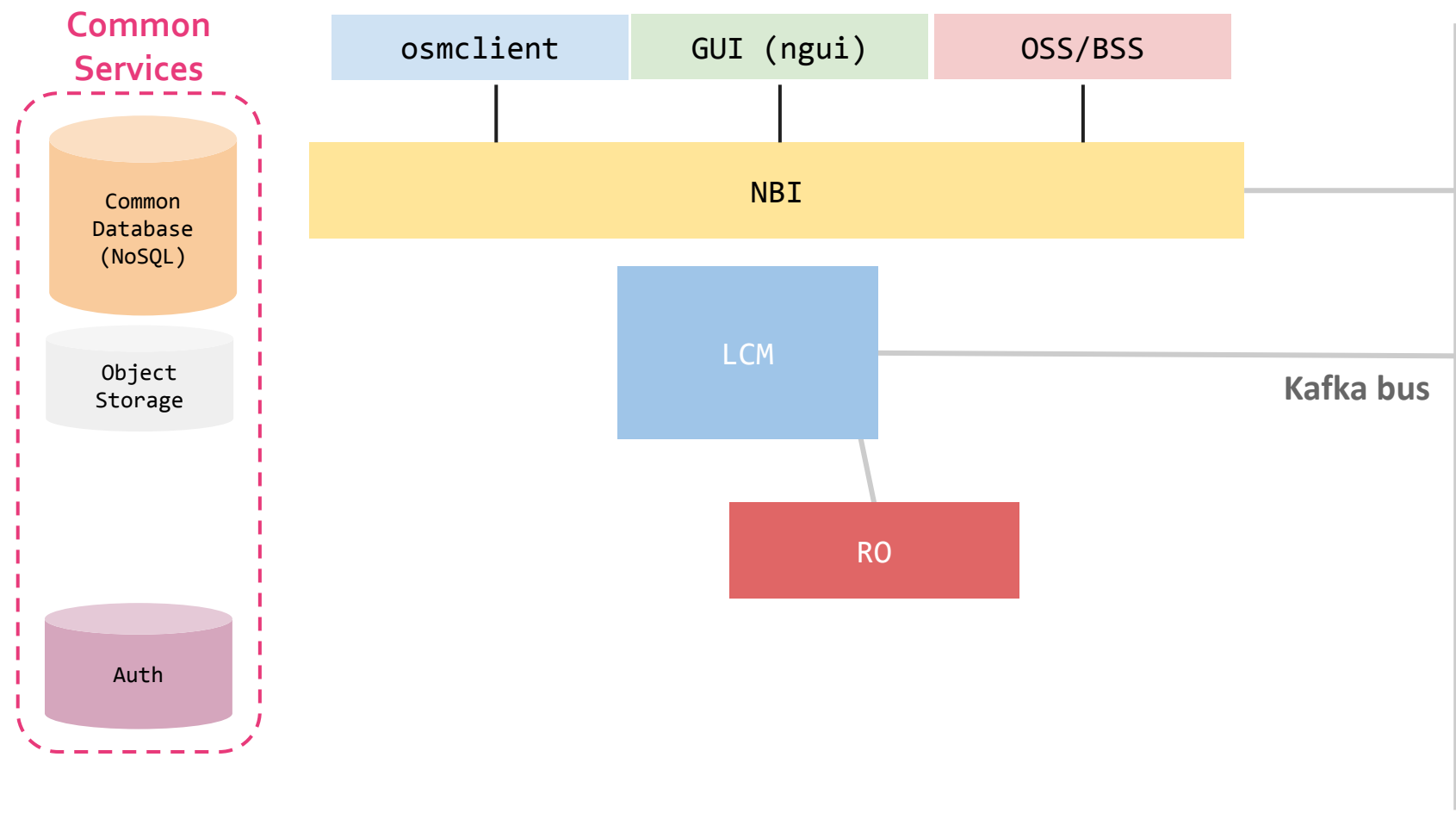
# OSM Architecture



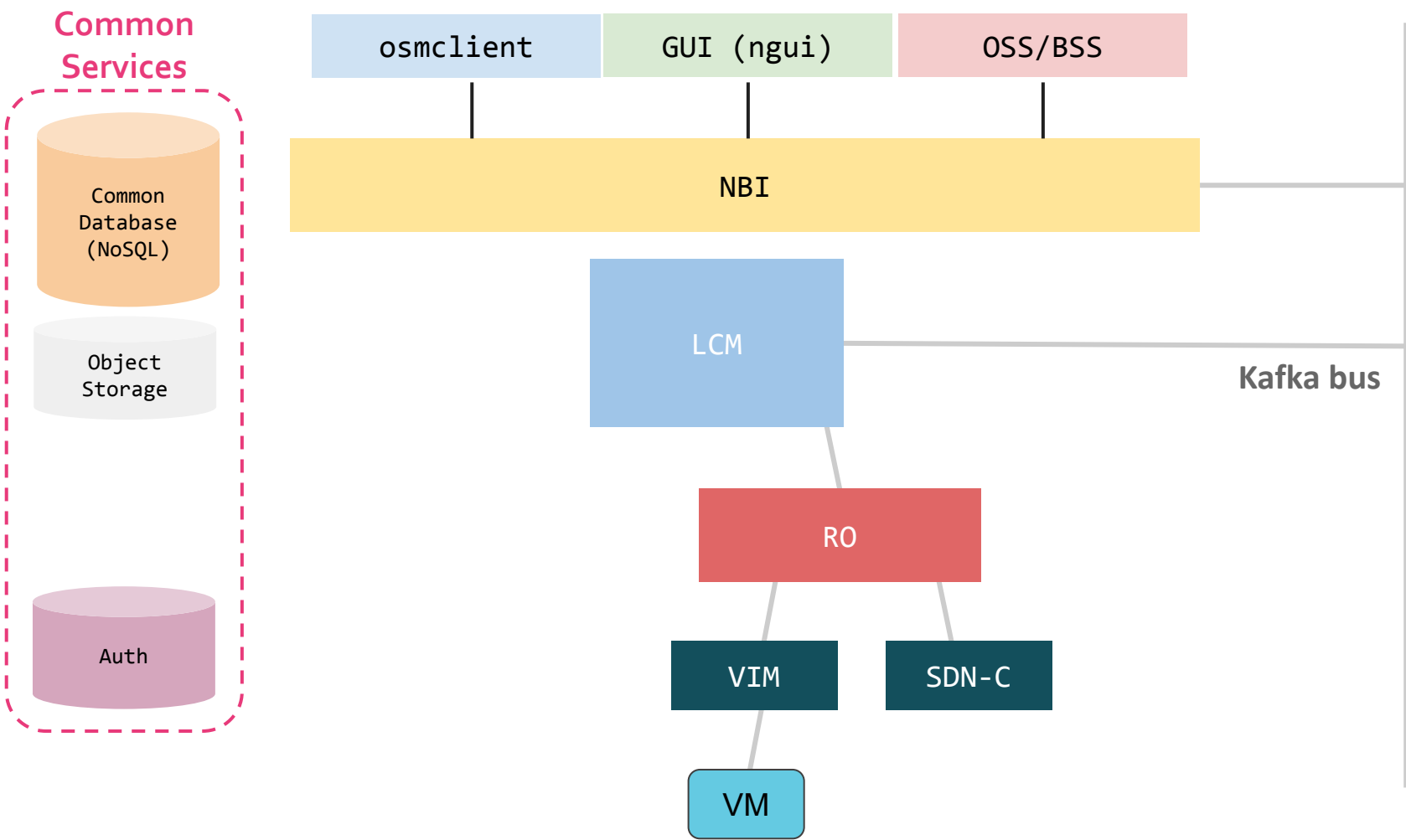
# OSM Architecture



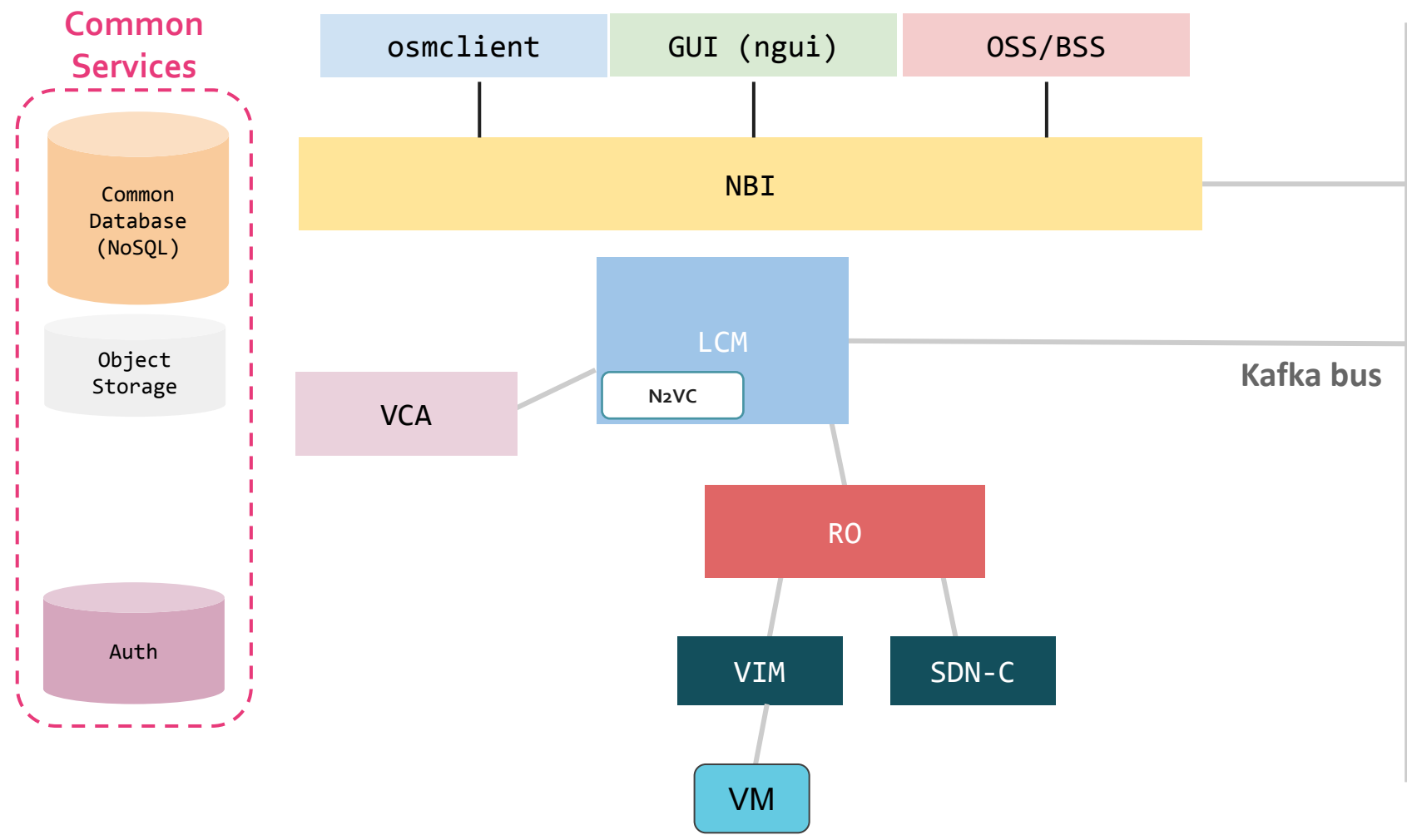
# OSM Architecture



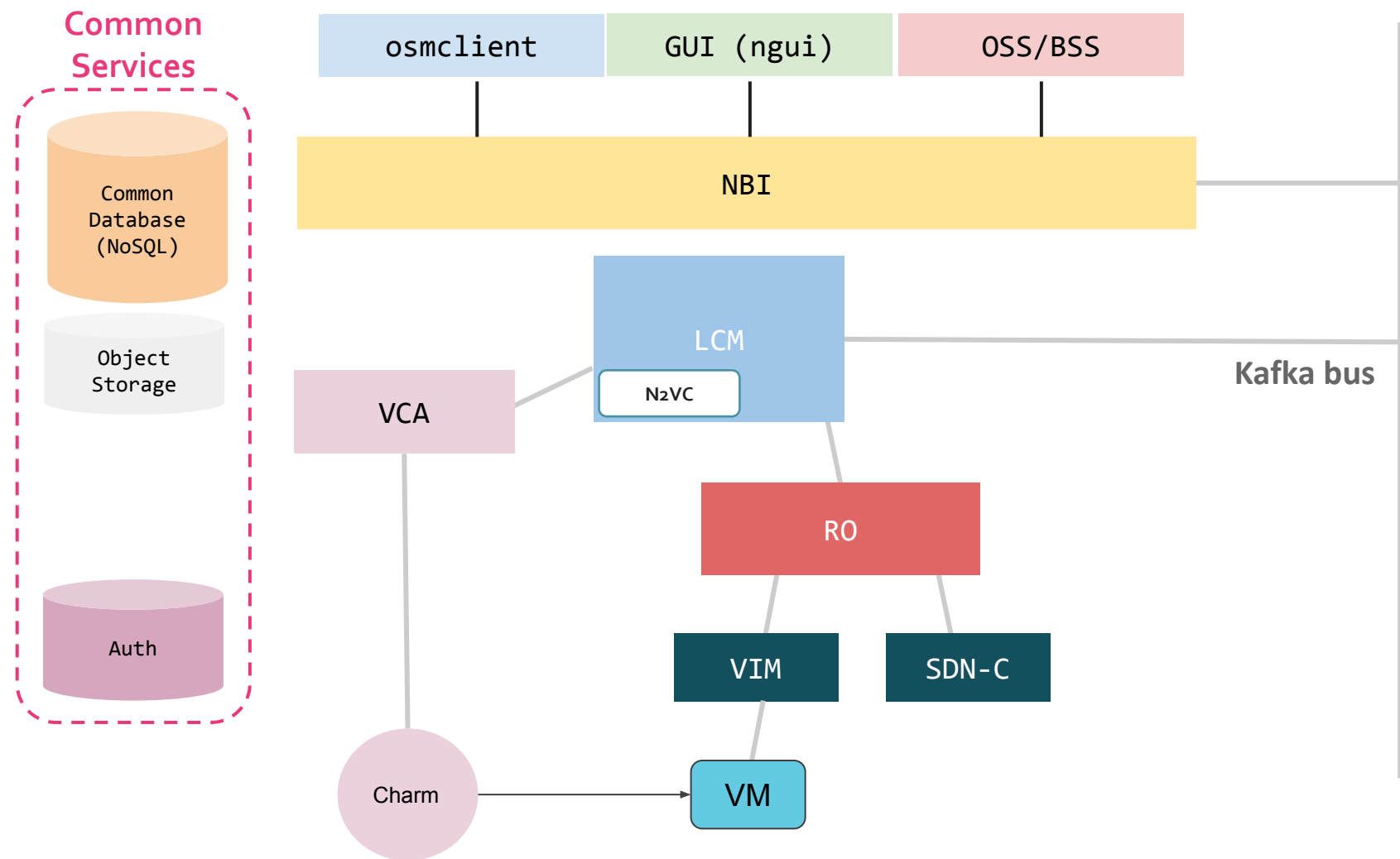
# OSM Architecture



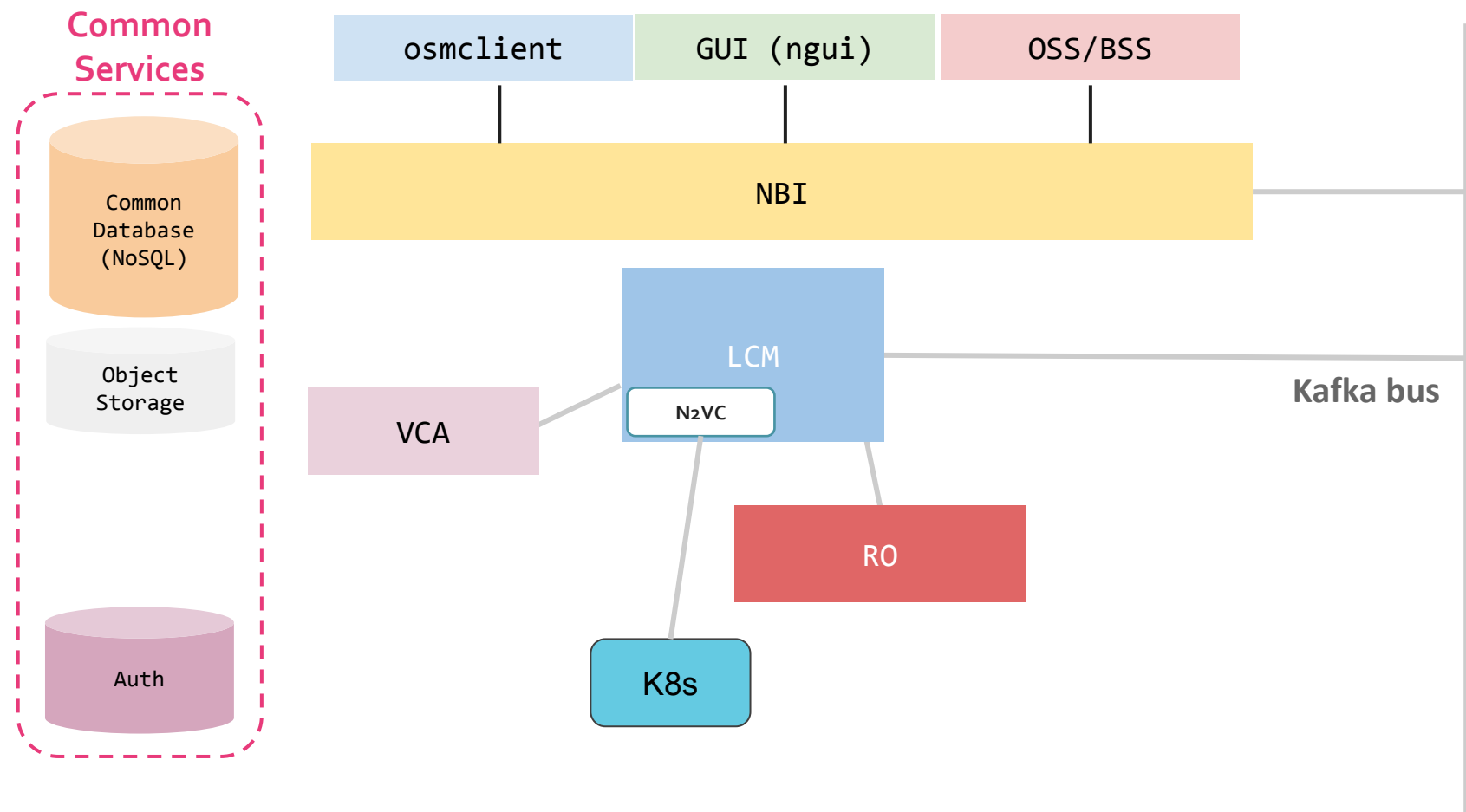
# OSM Architecture



# OSM Architecture

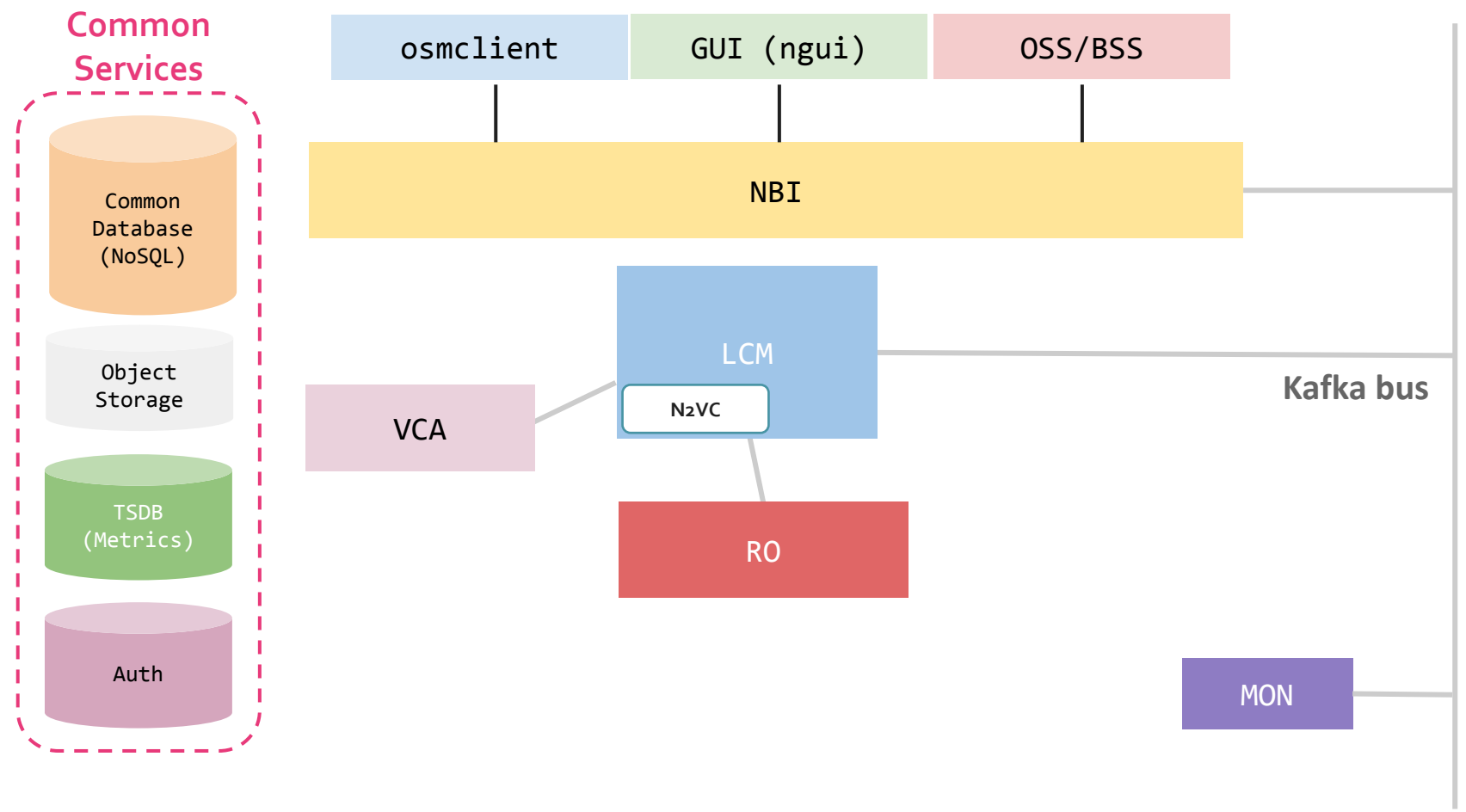


# OSM Architecture

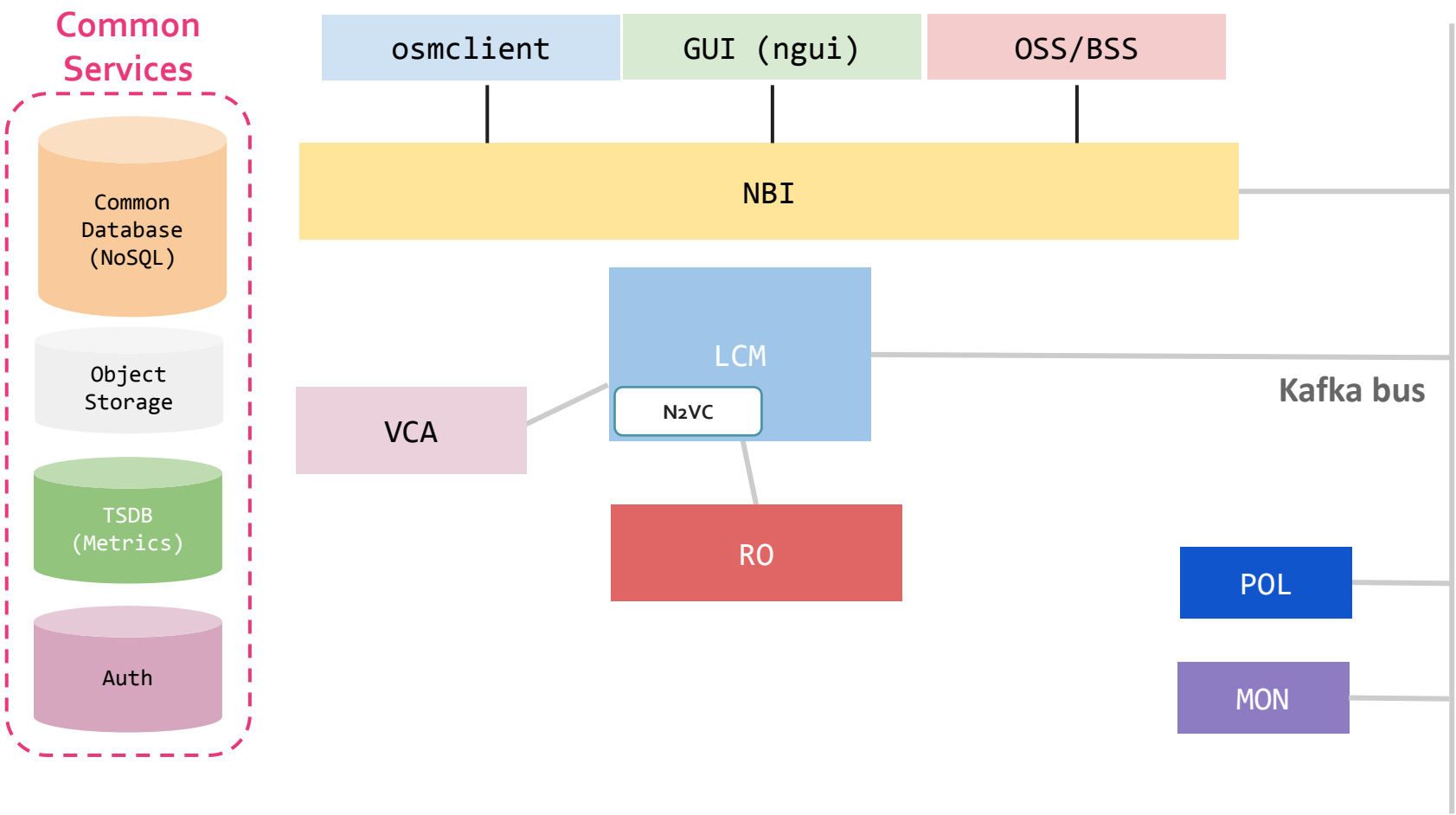




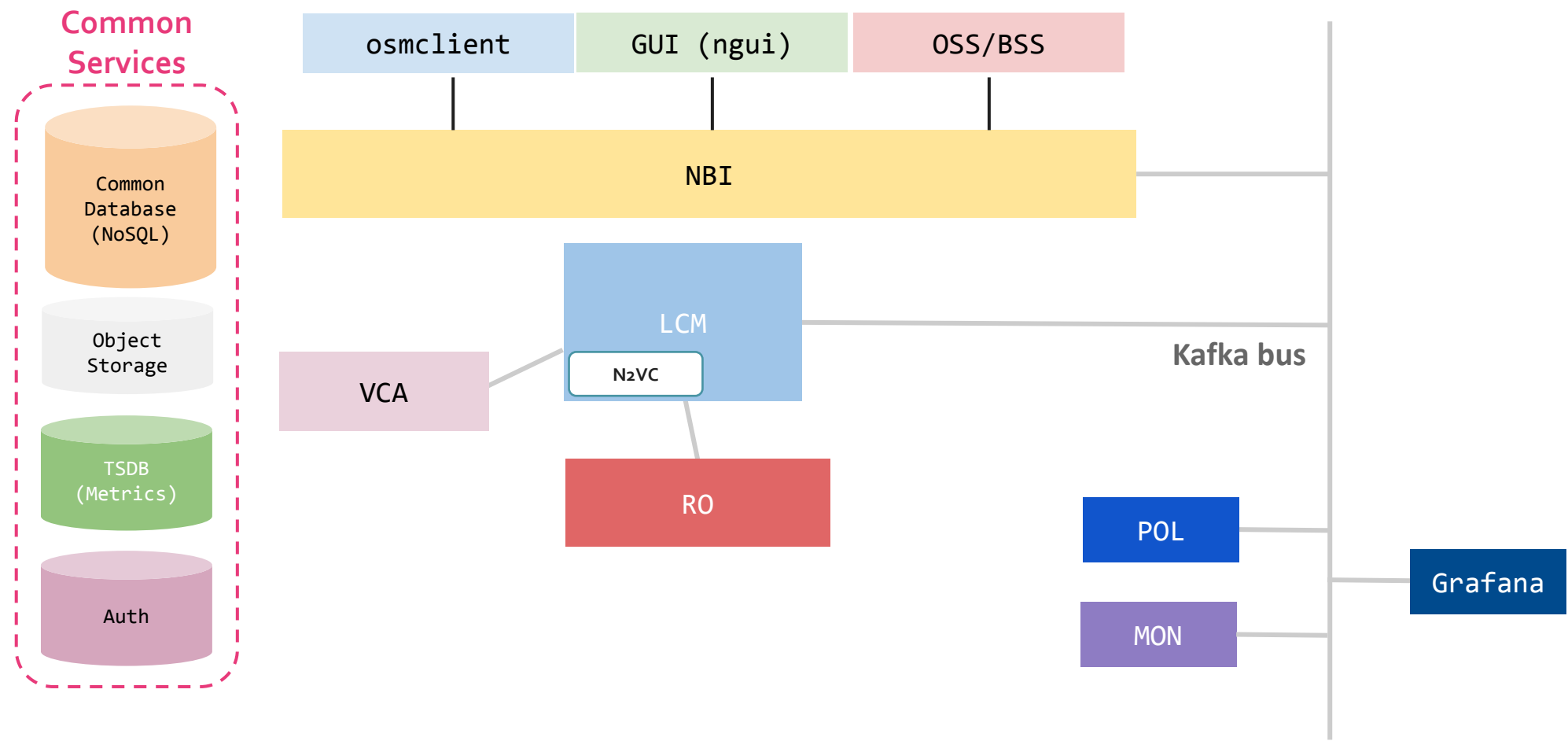
# OSM Architecture



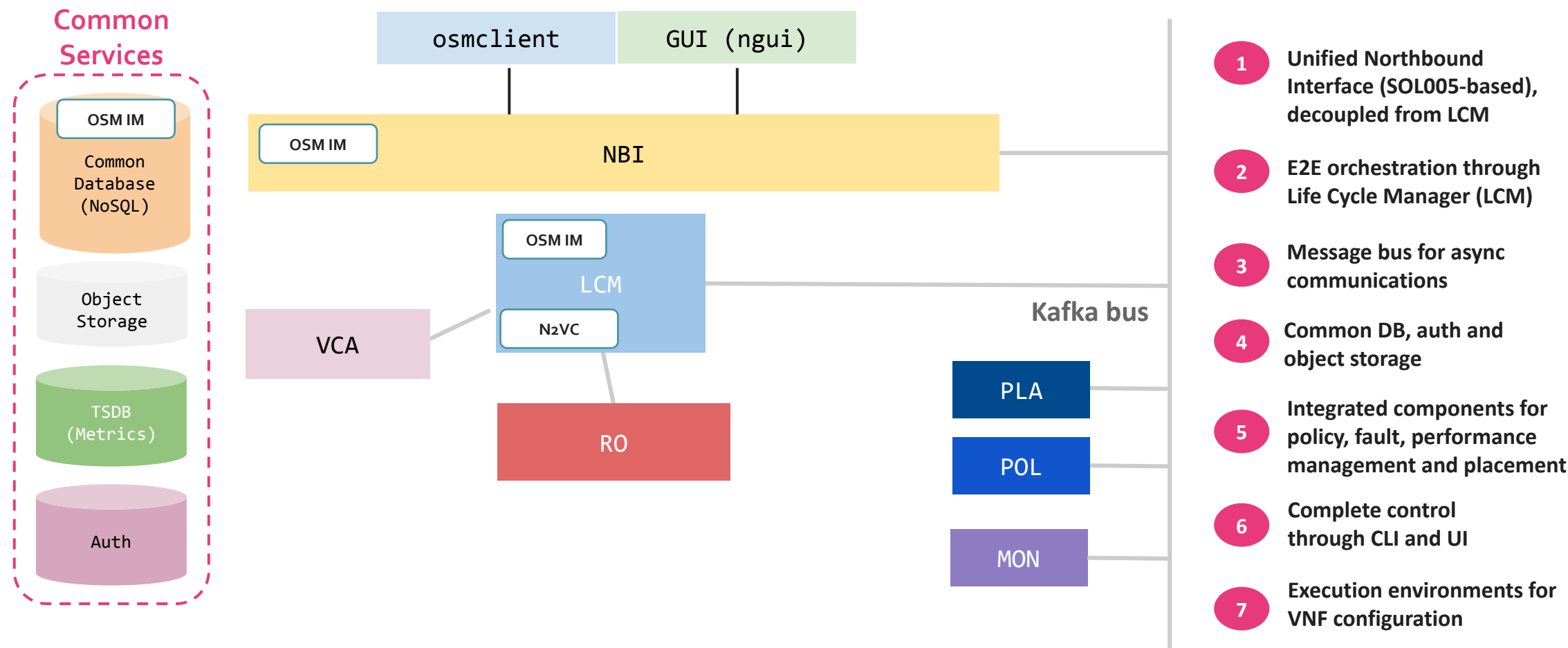
# OSM Architecture



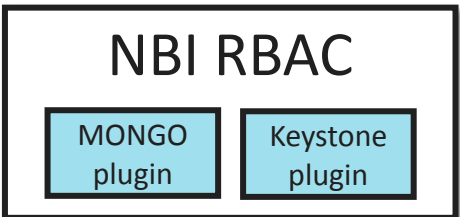
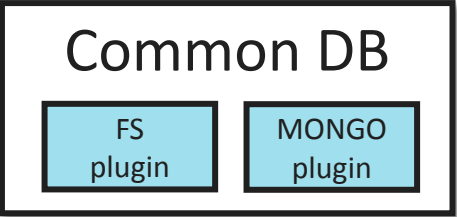
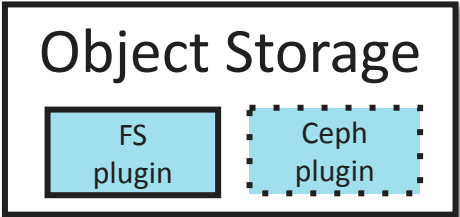
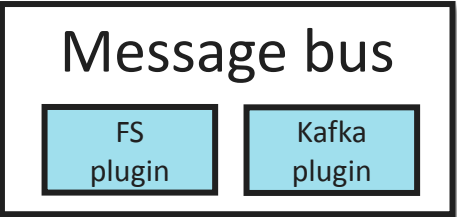
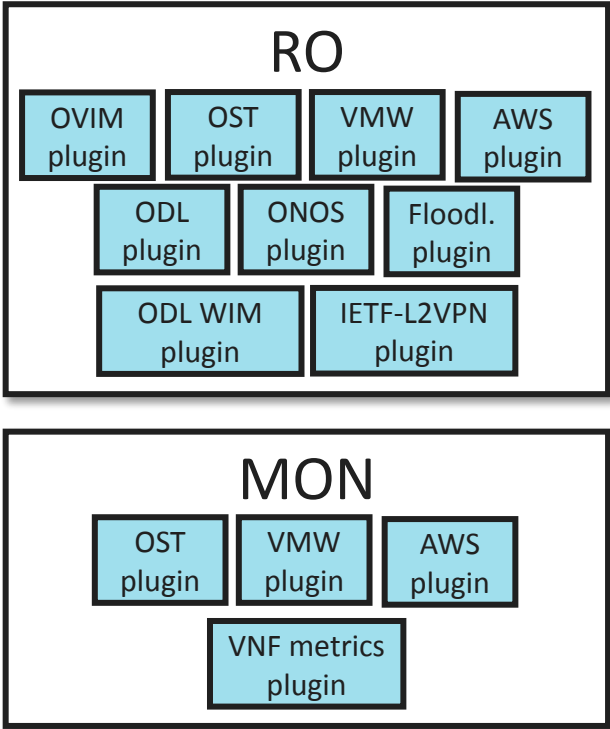
# OSM Architecture



# OSM Architecture



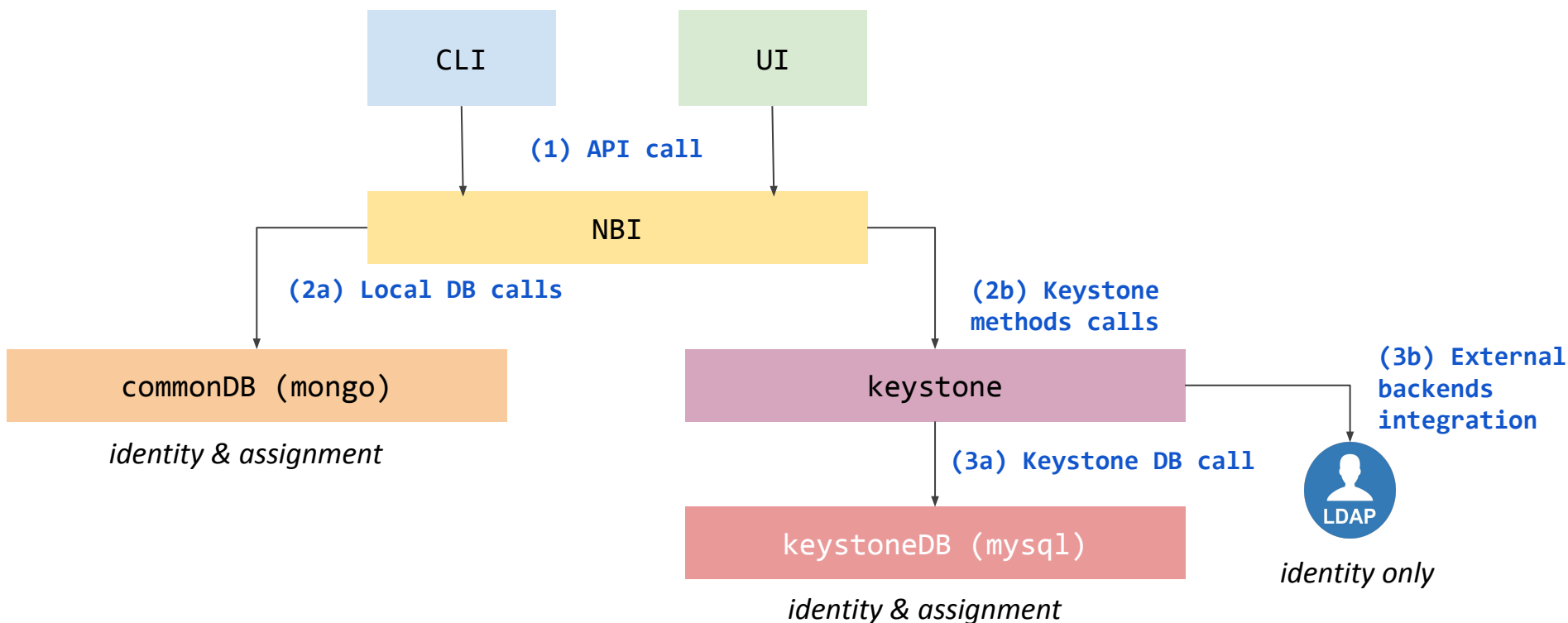
# Plugin Model



# Examples

# Identity & Assignment Operations

When dealing with the creation, modification or deletion of users, projects and roles, the interacting components vary according to the selected backend.

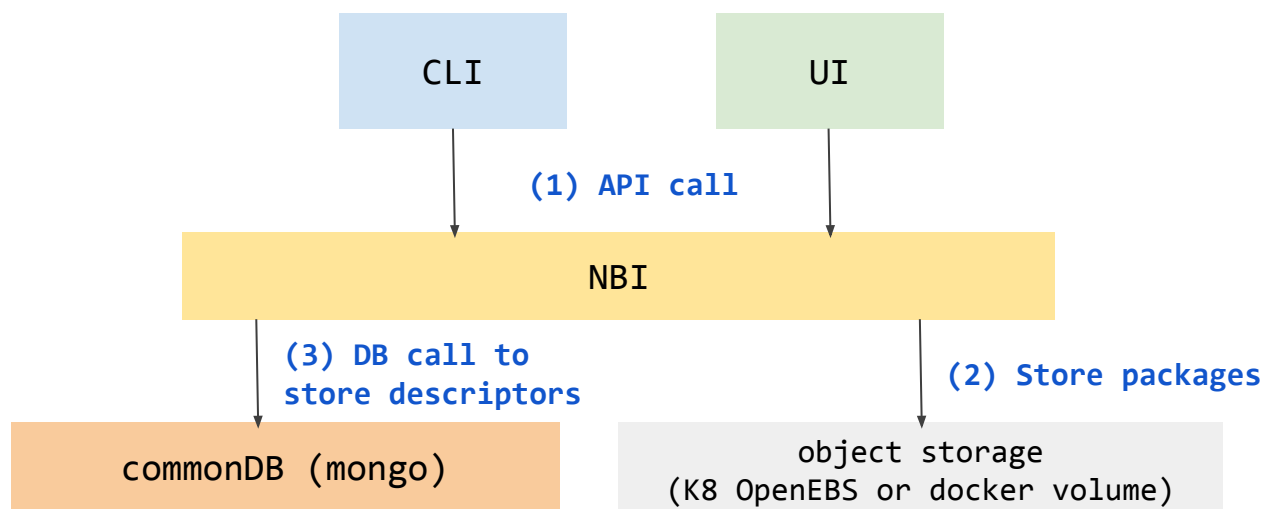




# Uploading packages

When reading, uploading, modifying and deleting a Network Slice Template, Network Service Package or VNF Package, the following components interact.

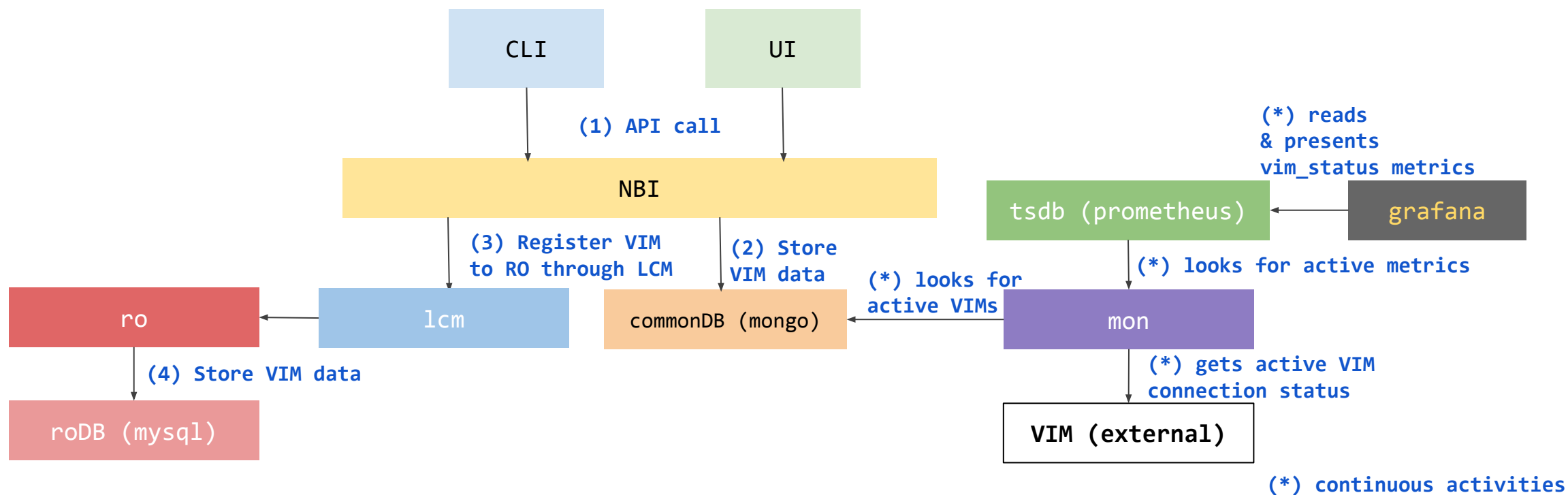
CLI Example: `osm nfpkg-create myvnfpkg.tar.gz`



# Adding VIM/SDNC

When registering new VIMs or SDN Controllers, the following components interact.

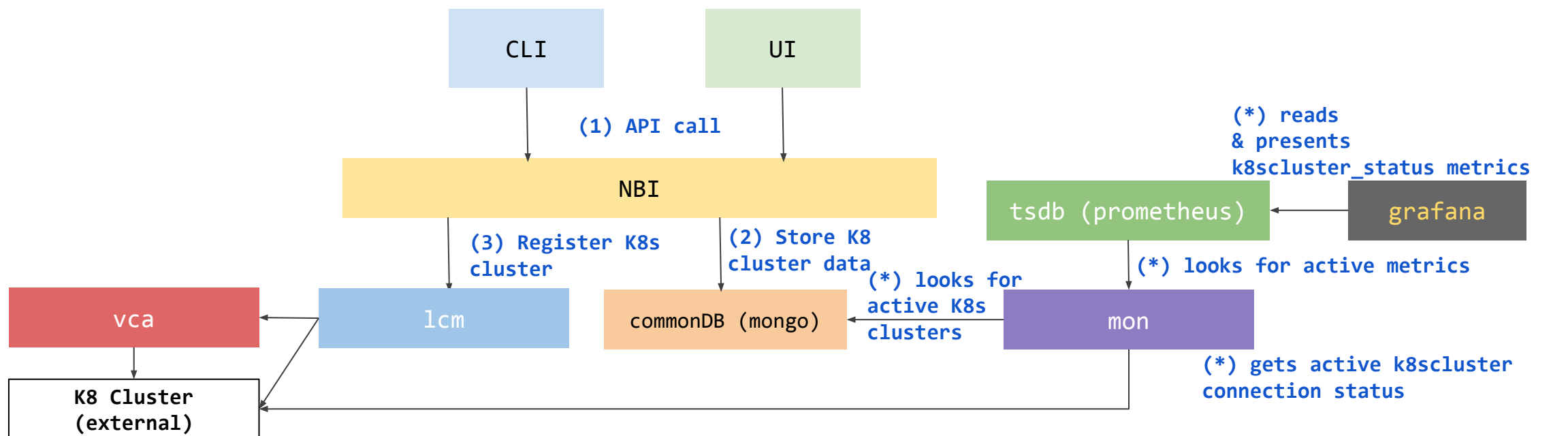
CLI Example: `osm vim-create --name myVIM --user myuser --password myprecious --auth_url http://172.21.7.5:5000/v3 --tenant mytenant --account_type openstack`



# Adding a K8s Cluster

When registering new Kubernetes clusters, the following components interact.

CLI Example: `osm k8scluster-add --creds myCredentials.yaml --version '1.26' --vim myVIM --description "My K8s cluster" --k8s-nets '{"net1": "myVIMnet"}' myK8Cluster`

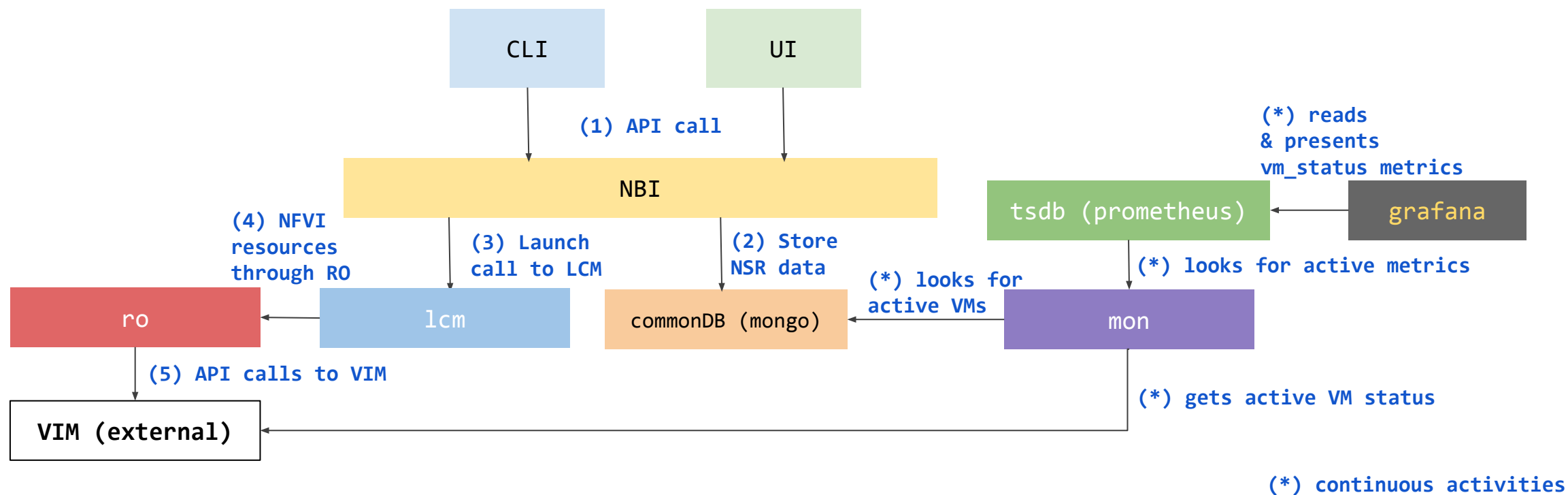


(\*) continuous activities

# NS instantiation

When launching a new instance of a Network Service or Slice Instance (n x VNFs), the following components interact.

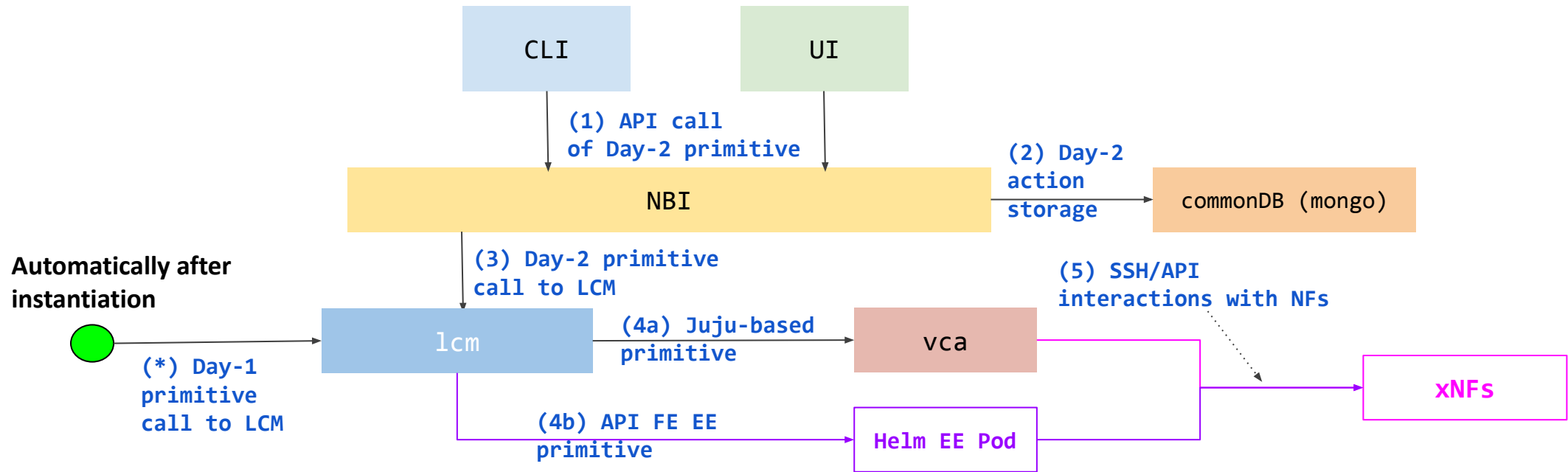
CLI Example: `osm ns-create --ns_name myNS --nsd_name myNSD --vim_account myVIM`

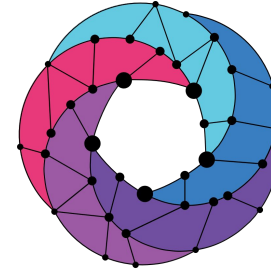


# NS primitives

When launching a Day-2 primitive over a NS, the following components interact.

CLI Example: `osm ns-action myNS --vnf_name 1 --action_name myAction`





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# Thank You!