Open Source MANO

9th OSM Hackfest
Hack 1: OSM installation in the HA mode
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Before we start

- High availability (HA) is an essential feature of every production environment.
- You can easily deploy HA OSM clusters using the official installer (OSM rel 7.1).
- The installation method uses upstream OSM charms which unlock:
  - Model-driven deployments and operations.
  - Infrastructure-as-Code (IaC) approach.
  - Full automation.
  - Time/cost savings.
You will learn how to

• Deploy OSM in the HA mode using the official installer
• Monitor the installation process
• Perform daily operations of the OSM cluster using model-driven approach
Prerequisites

• You just need a Kubernetes cluster
• If you do not have one already, the installer will set up MicroK8s for you
How does the installer work?

A single command installs all infrastructure components and the OSM software on any substrate.
chmod +x install_osm.sh
...
./install_osm.sh
   -t 7.1.0rc1
   -r testing
   -R 7.1.0rc1
   -y
   --charmed
   --tag 7.1.0rc1
   --bundle https://jaas.ai/osm-ha/bundle/35
Takeaways

- High availability is an essential feature of every production environment
- You can easily deploy HA OSM clusters using the official installer (OSM rel 7.1)
- The installer is substrate-agnostic; you can deploy OSM on any Kubernetes
- Single command installs all infrastructure components and the OSM software
- Using charms significantly simplifies post-deployment OSM operations