OSM Development Introduction
Mark Beierl (Canonical)
I have an idea...

New feature request: Support placement of KNFs on specified Kubernetes nodes

Bug 1451 - High memory consumption in MongoDB process

OSM test automation project - osm/tests

This repository contains tools and configuration files for testing and automation needs of OSM project.

Prerequisites

- Robot Framework
- Packages: ssh ping yg git
- Python3 packages: haikunator requests robotframework robotframework-seleniumlibrary robotframework-requests robotframework-jsonlibrary robotframework-sshlibrary
- Clone osm-packages from gitlab
- Environment config file for your infrastructure [envfile.rc]

Test environment for OSM testing

OSM installation

All the procedures below, require starting from a clean Ubuntu 18.04 server image (minimum requirements: 2 vCPU, 6 GB memory).
Languages Used

- Python
- Bash
- Angular
- JavaScript
- jQuery
OSM Architectural view

Common Services

- OSM IM
- Common Database (NoSQL)
- Object Storage
- TSDB (Metrics)
- Auth

OSM's NBI

- osmclient
- light-ui

NBI

- LCM
- VCA
- RO

Kafka bus

- PLA
- POL
- MON

1. unified message bus for async communications
2. Integrated components for placement, policy, fault and performance management
3. VCA Juju controller for VNF configuration & indicator management
4. End to end orchestrator: LifeCycle Management (LCM) component
5. Unified Northbound Interface
6. Complete control through CLI and stand-alone UI
7. common DB, storage, authentication and TSDB systems
Who's Who

Leadership Group (LG)
Chair: F.J. Ramón Salguero (Telefónica)
Vice-Chair: Andy Reic (BT)
Vice-Chair: Pål Grønsund (Telenor)

Technical Steering Committee (TSC)
Chair: José Miguel Guzmán (Whitelist)
Member: Gerardo García de Bias (Telefónica)
Member: Mark Shuttleworth (Canonical)
Member: Francisco Rodríguez (Indra)
Member: Ramesh Ramanathan (Tata Elxsi)

End User Advisory Group (EUAG)
Chair: Antonio Marsico (BT)

Information Model and Northbound IF (IM-NBI)
Lead (TSC): José Miguel Guzmán (Whitelist)

Service Assurance (SA)
MDG Lead: Subhankar Pal (Altran)

DevOps MDG (DEVOPS)
MDG Lead: Mark Beierl (Canonical)

NS to VNF Communication MDG (N2VC)
MDG Lead: David Garcia (Canonical)

User Interface (UI)
MDG Lead: Barath Kumar R (Tata Elxsi)

Resource Orchestration MDG (RO)
MDG Lead: Eduardo Sousa (Canonical)

Life Cycle Management MDG (LCM)
MDG Lead: Fabian Bravo (Whitelist)

Marketing TF (MARCOM)
TF Lead: Mona Hrapkowicz (Flex)

VNF Onboarding TF (VNFONB)
Chair: Gianpietro Lavado (Whitelist)