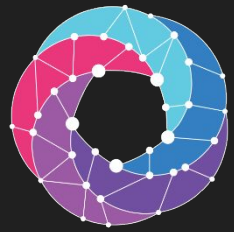# OSM PoC

Charmed Open5GCore Deployment with OSM Rel 5

Piotr Zuraniewski, Niels van Adrichem, Toni Dimitrovski (TNO)
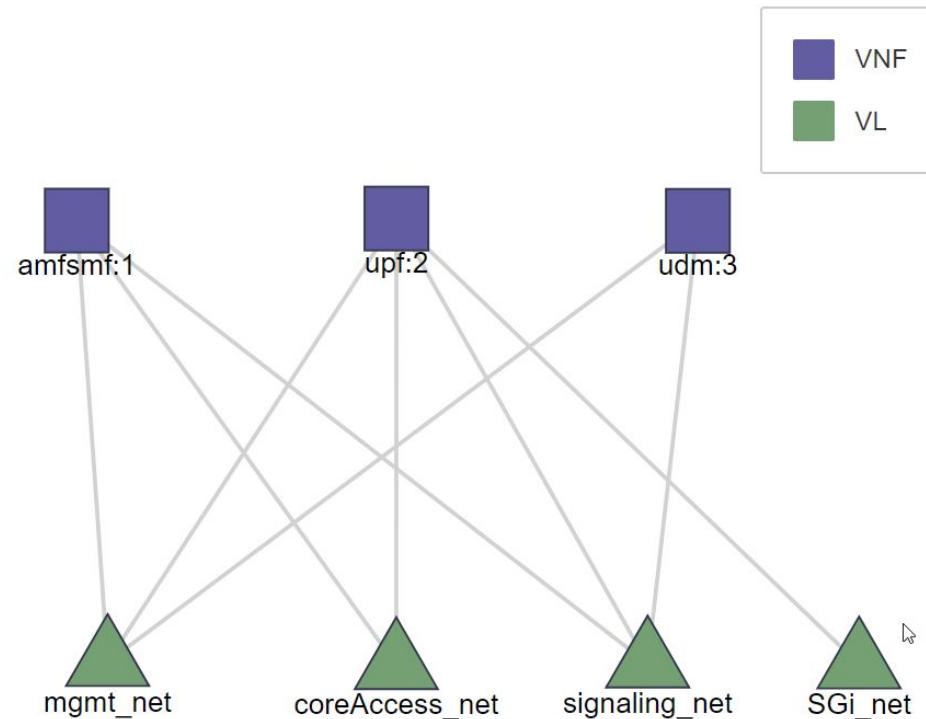Adam Israel, Arno van Huyssteen, Marcin Bednarz (Canonical)

PoC Participants

PoC Objectives

- Deployment of complex network service (Open5GCore, by Fraunhofer Fokus*) using OSM Rel 5
- Advanced VCA VNF configuration using full charm with reactive design patterns
- Enabling further Open5GCore use cases (AR/VR)

*For more info visit: https://www.open5gcore.org/

OSM Usage

- PoC will use the latest OSM Release 5 with emphasis on VCA with full charm support and Reactive Framework to deploy complex network service.
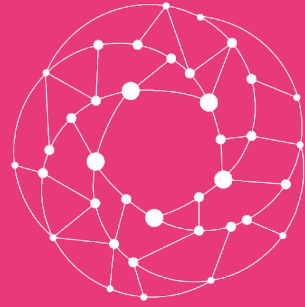
Demo Scenario

1. Onboarding of Open5GCore VNFs to OSM
2. Deployment of Network Service
3. Validation of E2E services
4. Test 5G call using indoor spectrum
5. Simulation of Open5GCore component failure and auto-healing
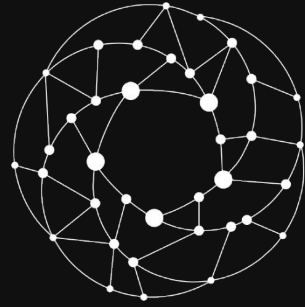6. Validation of service operations

PoC Next Steps

- Extending the demo to cover Multi-Site deployments
- Adding additional VNFs (multi-vendor)
- Automating end-to-end network service testing

Questions ?

Open Source MANO

Thank you!