Open Source MANO

Team 3
Results
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Who we are?

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Tasks Completed

✓ A) on-board Magma ORC with OSM
✓ B) on-board Magma AGW with OSM
✓ C) on-board SRS-LTE simulators for gnb and UE

⚠️ D) connect it all together to see traffic in Magma Orchestrator - OSM
day 2 action

❌ E) implementing 2 additional lifecycle actions (disconnect / connect simulators)

❌ F) implementing 2 additional lifecycle actions (connect / disconnect AGW to/from ORC)
Magma ORC, AGW & ENB Onboarded!
Magma AGW recognized by Magma ORC

Equipment/magma-agw

Magma Access Gateway

Gateway ID
magma-agw

Hardware UUID
93801cdb-49f9-4224-b01e-e8bd2698b0ee

Version
1.7.0-1648117787-73e61141

Status

Health
- Good

Last Check in
17/6/2022, 12:4...

CPU Usage
1.3%

Event Aggregation
- Enabled

Log Aggregation
- Enabled

CPE Monitoring
- Disabled

Connected eNodeBs

Name
Serial Number
Health
MME
IP Address
Actions
But we had trouble with Kafka & Keystone 😞

```bash
ubuntu@ip-192-168-42-191:~$ osm ns-action enb --vnf_name "srsLTE" --vdu_id srsLTE-vdu --action_name attach-ue --params '{
  >   usim-imsi: "772170000000008",
  >   usim-k: "c8eba87c1074edd06885cb0486718341",
  >   usim-opc: "17b6c0157895bca1efc1cef55033f5f"
  >}

ERROR: Error 401: {
  "code": "UNAUTHORIZED",
  "status": 401,
}
```

MANY THANKS TO THE INSTRUCTORS FOR THEIR HARD WORK TO SOLVE IT!! 😊💪
We retried attach-ue afterwards...

```json
{
    "id": "b7dded68-b5a9-4af2-8f04-cb31fc106ed8",
    "operationState": "COMPLETED",
    "lcmOperationType": "action",
    "operationParams": {
        "primitive": "attach-ue",
        "primitive_params": "{\"usim-imsi\": \"772170000000008\", \"usim-k\": \"c8eba87c1074edd06885cb0486718341\", \"usim-opc\": \"17b6c0157895bca1e9f1c5ef55033f5f\"},
        "member_vnf_index": "srsLTE",
        "vdu_id": "srsLTE-vdu",
        "lcmOperationType": "action",
        "nsInstanceId": "1e461174-08e1-4005-b1d4-2c3b32f63e97"
    },
    "detailed-status": {
        "Code": "0",
        "message": "Attached successfully",
        "status": "ok"
    }
}
```

Seems it worked!

But we see nothing on Magma ORC 😊
Other OSM hacks carried out during the week

- Implement RO WIM TAPI connector for a IEEE NetSoft demo
  - Final video required by Monday 20/June 😞 😄
  - Want to see a preview of the Demo Video?