# **Network Repository Function**

NRF

Monitoring

LB+Cluster
Onboarding

Instance1

- -> centralized repository for all 5G Network Functions
- ->It allows NFs to register and discover each other via standards apis
- ->It allows discovery and registration via Oauth Tokens to prevent phishing attacks

# **Application monitoring**

- ->Monitors application health through counters,Cpu,Ram,memory Usage, running threads, process e.t.c
- ->changing application configuration at Run time through user Interface
- -> Triggers Management and Orchestration unit to increase/decrease application and Cluster instances as per application and cluster.

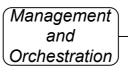
### Load Balancer + Cluster onboarding

- -> Used as application level Load balancer(L6)
- ->used for cluster onboarding by registering cluster in 5g core through NRF.

### **Application Instance**

- -> User Registration/Deregistration in 5g Core network
- -> Provides Message Service in 5G core architecture

# Mang and Orchesatrion via Docker



- ->Spin up Application Instance depending upon cluster health through OAM trigger
- ->Spin up new Cluster depending upon Load/traffic Spike through Oam trigger

Logging Module

#### **Logging Module**

- -> Aggregates and Stores runtime Application Logs
- ->Fetch Logs based on Data,Level,Request type via standard Apis
- ->Trace a particular Flow comprising other nodes for debug/RCA