

*NRF*

## Network Repository Function

- > 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

*Monitoring*

## 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.

*LB+Cluster Onboarding*

## Load Balancer + Cluster onboarding

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

Instance1

## Application Instance

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

*Management and Orchestration*

## 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