LB+Cluster Onboarding

Instance1

Monitoring

Logging Module

ALL Instances Running as a Docker Container

Monitoring

NRF

Redis Master Slave Architecture with 3Master/4Slave

LB+Cluster Onboarding — LB+Cluster Onboarding

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Instance Spin up at Run Time

Instance1 — Instance2 — Instance3

Primary Cluster

Instance1 — Instance2 — INstance3

Replica/Disaster Recovery Cluster

Instance Spin up at Run Time

Management and Orchestration

Logging Module

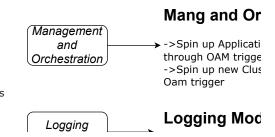→ USER INTERFACE

→ HEALTH CHECK

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

Application monitoring

Mang and Or

Management and Orchestration

->Spin up Applicati
through OAM trigge
->Spin up new Clus
Oam trigger

Logging Mod

Logging

rchesatrion via Docker

on Instance depending upon cluster health
er
ster depending upon Load/traffic Spike through

dule

Monitoring

LB+Cluster Onboarding

Instance1

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

Module

->Aggregates and St
->Fetch Logs based
->Trace a particular l

ores runtime Application Logs
on Data,Level,Request type via standard Apis
Flow comprising other nodes for debug/RCA