ONAP Integration Beijing Release

Jan 23, 2018

Main Tasks

- Test
  - E2E Use Case Functionality Testing, retest 4 Use case with the three new functionalities
    - Change Management
    - Manual auto-scaling
    - HPA
    - PNF: VoLTE
  - ONAP Maturity
    - Benchmark / KPI definition (M2)
    - Tools (M2)
    - Maturity Testing
    - Working with project team: help each other
  - Automating vFW / vLB, vCPE, and some level of automation for VoLTE

- Release
  - Creating ONAP "Light" for SE/Architect to try out its functionality, not coding
  - Maintain and setup Daily Health check, automated use cases (vFW/vLB, vCPE) (/w Jenkins)
  - Deployment
    - OOM / K8S
    - Heat Template
    - Ansible ??
    - (Cloudify: TOSCA??)

- Bootstrap
  - Creating ONAP "sandbox" for developer

- Reference VNFs: creating "light" VNFs for scalability testing

- Upgrade: from B to C

Maturity requirement for China Mobile

- Performance Metrics:
  - VNF instances number over 1000
  - Integrate with 3rd part VNFM instances over 20
  - Integrate with 3rd part VIM instances over 200
  - Upgrade orchestrator will less than 1 hour, patch to orchestrator will less than 0.5 hour.
  - It will take less than 1 hour to deployment orchestrator instance
  - Switch of master/slave will be instantaneous.
  - Should support Instantiate the VNFs in parallel more then 200.

- HA:
  - Orchestrator should support recover from the backup system.
  - Orchestrator should support isolate fault from each components.

Stability

- 72 hours soak w/random transactions
- Jprofile: no memory leak, etc.

谢谢