

2019-12-04 - [CNTT - RI & RC - 01] - Meeting Agenda and Minutes

Meeting Logistic:

Every Wed. at UTC 13:00-13:30

<https://zoom.us/j/694881078>

Attendee List:

1. Michael Fix (AT&T)
2. Mark Shostak (AT&T)
3. Liang Chen (China Mobile)
4. Jim Baker (LFN)
5. Rabi Abdel (Vodafone)
6. Mark Beierl (VMware)
7. Sridhar Rao (Spirent)
8. Georg Kunz (Ericsson)
9. Rajamani Rajesh (Spirent)
10. Trevor Cooper (Intel)
11. Cedric Ollivier (Orange)
12. Jiaqiang Zhang (China Mobile)
13. @Deepanshu Bhatia (VoerEir)
14. Ashok Kumar (VoerEir)
15. Qiao Fu (China Mobile)

Goals of Meeting:

- Antitrust
 - [Linux Foundation Anti-Trust Policy Notice](#)
 - [GSMA Anti-Trust Policy Notice](#)
- Status
 - Plug Fest ?
 - Snezka Focus ?
 - RI
 - Cookbook progress
 - Missing components
 - AirShip deployment (Sridhar to work with Cedric)
 - Upstream test projects (OPNFV PTLs, Mark B Storage will work with Cedric, and will discuss at Monday's 12 /9 OPNFV Community Call)
 - PDF use/adoption
 - Fu Qiao: Status and path-forward as follows:
 - Resolve conversations on PR 535, then Merge 535
 - Then, Sridhar generate a new PR to add PDF requirements/changes from AirShip
 - POD10 and POD15 intended use - Wiki page needed?
 - POD10 - PoC, PerfTest ([POD10 - POC Wiki](#)), after 12/11 remove CI/CD
 - POD15 - RI deployment, CI/CD implementation, start Ocata installs on 12/9
 - Plans/dates for POD15 - PIKE install
 - Start install - 12/9-12/11 (Ocata)
 - Setup CI/CD
 - Create wiki ? - this needs to be discussed further, the need for a descriptive file for POD15, and its intended use
 - Create JIRA for Install of PIKE (Mike Fix will do)
 - PRs/Issues
 - <https://github.com/cnnt-n/CNTT/pull/535/>
 - Offline Installation needed as requirement/optional ?
 - ☑ Mark Beierl open issue, or add to PR as a conversation / comment (Mark B)
 - RC
 - Deployment and Compliance Validation (Cedric)
 - POD10 deployments & validation issues
 - (Kaspars reviewing) <https://jira.opnfv.org/browse/AIRSHIP-15> (blocking issue)
 - The OPNFV manifests (cnnt type) need to be updated to use the v2.1 endpoint, similarly to this change: <https://review.opendev.org/#/c/686370/>
 - The change needs to be reflected in the CNTT manifests here: <https://github.com/opnfv/airship/blob/master/type/cnnt/software/config/endpoints.yaml#L731>
 - (New Feature - ?) <https://jira.opnfv.org/browse/AIRSHIP-16> (major)
 - My understanding is that live migration / resize server are not currently supported by the OpenStack-Helm charts. I'm sure that team would be open to a feature request or contribution of this functionality!
 - CNTT documentation (NOVA API capabilities) requires support.
 - Gap w/ Airship and RI-1

- Add to RI Dev Gap section - mitigating options ?
 - Check w/ Kaspars, then review mitigating options
- (Kaspars reviewing) <https://jira.opnfv.org/browse/AIRSHIP-17> (major)
 - The Neutron workers are exposed by the OpenStack-Helm Neutron chart: <https://opendev.org/openstack/openstack-helm/src/branch/master/neutron/values.yaml#L1770-L1771>
 - The cntt type is probably the most appropriate place to override this, but I'll let Kaspars weigh in.
- RM/RA requirements extraction (Rajesh, Sridhar)
 - Followed by Manifest Validations
 - Tune & Re-deploy, if needed
 - Mike/Rajesh - extract requirements, create single doc/page, and compare for Manifest validations
- (Tabled) Chapter Progress by Authors per recent PRs created
- CIRV repo - cirv-perftest, cirv-functional, OPNFV Test Database PRs/Issues
 - Repo needed ?
 - e.g. Yaml for Cookbook
 - e.g. Repo code for stand alone tools for testing/validation
 - Not resolved. Mike F. to schedule a follow-up meeting with interested parties to discuss the need to setup CIRV repos
- (Tabled) VNF & Storage Questions (discussion needed & path-forward)
 - Can we run SampleVNF and FuncTest VNF connectivity/validation? (Owner?)
 - Owner to review StorPerf and start that work in POD10 (Mark Beierl)
 - Prototype Plan Status - is this something we can use today in POD10/15? (Trevor)

AOB

Additional Notes / Links:

- CNTT Jan 2020 Release: [CNTT Snezka](#)
- RI Work stream
 - RI 1 Core: [Fu Qiao, Team](#)
 - Documentation moving along? Ch's 1,2,3,5 (4 Lab Req. was moved to RI Labs)
 - Issues: <https://github.com/cntt-n/CNTT/issues?q=is%3Aopen+is%3Aissue+label%3A%22RI+1+Core%22>
 - PRs: <https://github.com/cntt-n/CNTT/pulls?q=is%3Aopen+is%3Aopen+label%3A%22RI+1+Core%22>
 - RI 1 Labs: [Rajesh](#)
 - Documentation moving along? Ch's 4, 6
 - Issues: <https://github.com/cntt-n/CNTT/issues?q=is%3Aopen+is%3Aissue+label%3A%22RI+1+Labs%22>
 - PRs: <https://github.com/cntt-n/CNTT/pulls?utf8=%E2%9C%93&q=is%3Aopen+is%3Aopen+label%3A%22RI+1+Labs%22>
 - RI 1 Dev: [Cedric, Rex, Lei](#)
 - Documentation moving along? Ch's 7, 8
 - Ch 7 (Cookbook)
 - Issues: <https://github.com/cntt-n/CNTT/issues?utf8=%E2%9C%93&q=is%3Aopen+is%3Aissue+label%3A%22RI+1+Dev%22>
 - PRs: <https://github.com/cntt-n/CNTT/pulls?utf8=%E2%9C%93&q=is%3Aopen+is%3Aopen+label%3A%22RI+1+Dev%22>
- RC Work stream
 - RC NFVI: [Rajesh, Mike](#)
 - Documentation moving along? Ch's 1,2,3,4
 - Issues
 - PRs
 - Status | Tasks (Work in progress)
 - ☒ Receive Lab (date)
 - ☐ (In progress) Translate RA requirements to Manifest Needs (See above for Assistance needed)
 - ☐ Tune Manifest to match RA requirements (Target End State Lab - POD15) - status of POD 10, then date for POD 15
 - ☐ Testing
 1. Prepare automation harness - connectivity, validation (POD10)? – Cedric?
 - a. e.g. functest-smoke-cntt was just created. neutron-tempest-plugin-api is already conformed with the current API section.
 2. Create Test Plan
 3. Finalize Test Harness/Framework
 4. Perform Manifest Validations
 5. Results Collection & Normalization
 - RC VNF: [Mike](#)
 - Documentation moving along? Ch's 5,6,7
 - Issues
 - PRs
 - Status | Tasks (Work in progress)
 1. VNF Prototypes
 - ☐ (In Progress) Families Identified
 - ☐ (In Progress) Test Requirements Identified
 - ☐ Strategy

- a. Use POD10 for Network Intensive.
 - b. Measure stats related to the NFVi datapath capacity.
 - c. Goal will be to demonstrate full automation of the environment (continuous deployment) with test cases with some useful test results (continuous testing).
 - d. **Status?** Then look at adding compute and storage intensive VNFs and identify test cases that map back to CNTT specified capabilities.([Luc](#), [Sridhar](#), [Al](#), [Trevor](#) - creating more detailed plan?).
- 2. Testing
 - a. Create Test Plan
 - b. Finalize Test Harness/Framework
 - c. Results Collection & Normalization
- **RC Dev: Cedric**
 - Documentation moving along? Ch's 8,9,10,11
 - **Issues**
 - **PRs**
 - **Status | Tasks (Work in progress)**
 - Jenkins setup
 - VNF prototype
 - 1. Development
 - 2. Connectivity to POD15

Table of Contents Owners:

- **RC: status | issues**
 - **NFVI**
 - **Ch01: Introduction: Rajesh, Kanagaraj,Manik (confirmed) - <https://github.com/cntt-n/CNTT/pull/658>**
 - (Refer to PR<https://github.com/cntt-n/CNTT/pull/658>)
 - Synopsis
 - Introduction
 - Principles & Guidelines
 - Goals & Objectives
 - Best Practices
 - Verification methodologies
 - Assumptions & Dependencies
 - Results Collation & Presentation
 - Measurements, Monitoring
 - Governance
 - Resources & References
 - **Ch02: NFVI E2E C&V Framework Requirements: Cedric,Manik (confirmed) - <https://github.com/cntt-n/CNTT/pull/701>**
 - Methodology
 - Certification Strategy & Vehicle
 - Profiles Reference
 - Compliance, Verification, and Certification
 - Entry & Exit Criteria
 - Frameworks: e.g. Functest (StorePerf, SampleVNF, others?)
 - **Ch03: NFVI Test Case Requirements: Georg,Toshi blocked URL<https://github.com/cntt-n/CNTT/pull/702>**
 - Assumptions: Automatable, Integrated with CICD tool chain
 - Type of requirement: Bare metal, API, etc
 - Table showing Profile Catalog
 - Identify SW Reference
 - Identify HW Reference
 - Options Available / Configured
 - Extensions Available / Configured
 - **Ch04: NFVI TC Traceability to RA Requirements: Rajesh, Dan, Ashok,Deepanshu (confirmed)- <https://github.com/cntt-n/CNTT/pull/703>**
 - SME:Functest knowledge
 - Define RM/RA-1 Openstack requirements
 - Map Framework to Requirements
 - **VNF**
 - **VNF Prototype Plan - details, dates (Trevor)**
 - **Ch05: VNF E2E C&V Framework Requirements: Kanagaraj, Cedric,Shiby (confirmed) - <https://github.com/cntt-n/CNTT/pull/704>**
 - Methodology
 - Introduction of Golden VNFs &/or Prototype VNFs
 - Certification Strategy & Vehicle
 - Profiles Reference
 - Compliance, Verification, and Certification process
 - Entry & Exit Criteria
 - Frameworks: Functest, SampleVNF, Prototype Family/Class
 - **Ch06: VNF Test Case Requirements: Fu Qiao,Yan Yang (confirmed), Chuyi Guo, Kanagaraj,Shiby (confirmed) - <https://github.com/cntt-n/CNTT/pull/705>**

- Assumptions: Automatable, Integrated with CICD tool chain
- Developer Deliverables (artifacts)
- Type of requirement: Bare metal, API, etc
- Type of Interactions: Extended Topology, Complex (Akraio), Functional, HA, Fault, Interoperability
- Table showing Performance Profiles
- Table of VNF Class/Family & Characteristics of Each
- **Ch07: VNF TC Traceability to RM Requirements:** Rajesh, Kanagaraj, Yan Yang (confirmed) - <https://github.com/cntt-n/CNTT/pull/706>
 - SME: Functest knowledge
 - Define RM/RA-1 Openstack requirements
 - Map Framework to Requirements
- Dev
 - **Deployment Validations (Cedric)**
 - **Ch08: E2E Framework Integration:** Cedric, Kanagaraj, Sridhar blocked URL Yan Yang (confirmed) - <https://github.com/cntt-n/CNTT/pull/707>
 - Identify Framework Needs, Goals, and Dependencies
 - Define Opensource Integration (OPNFV, OVP, Functest, CVC, others)
 - Provide Automation Toolchain (list, topology, flow)
 - **Ch09: NFVI Tests Traceability to TC Requirements:** Cedric, Deepanshu (confirmed)- <https://github.com/cntt-n/CNTT/pull/708>
 - Define RM/RA-1 Openstack requirements
 - Map Framework to Requirements
 - **Ch10: VNF Tests Traceability to TC Requirements:** Cedric, Liping Zhao blocked URL, Shibby (confirmed) - <https://github.com/cntt-n/CNTT/pull/709>
 - Define RM/RA-1 Openstack requirements
 - Map Framework to Requirements
 - **Ch11: Gap analysis & Development:** Cedric, Kanagaraj, Shibby (confirmed) - <https://github.com/cntt-n/CNTT/pull/710>
 - Test Case Gaps (Analysis)
 - Automation Gaps
 - Open Stack release comparisons (Ocata, Pike, Queens, Stein, etc)