

# 2020-02-19 - [CNTT - RI & RC - 01] - Meeting Agenda and Minutes

## Meeting Logistics:

- Every Wed at UTC 13:00-13:30 | <https://zoom.us/j/694881078>
- Antitrust
  - [Linux Foundation Anti-Trust Policy Notice](#)
  - [GSMA Anti-Trust Policy Notice](#)
- Email dsitros
  - RI: <https://lists.opnfv.org/g/cntt-ref-imp> (cntt-ref-imp@lists.opnfv.org)
  - RC: <https://lists.opnfv.org/g/cntt-tech-refc> (cntt-tech-refc@lists.opnfv.org)

## Attendee List:

1. [Qiao Fu](#) (china Mobile)
2. [Michael Fix](#) (AT&T)
3. [Daniel Balsiger](#) (Swisscom)
4. [Lincoln Lavoie](#)
5. [Saad Ullah Sheikh](#) (Saudi Telecom Company - STC)
6. [Jim Baker](#) (LF)
7. [Georg Kunz](#) (Ericsson)
8. [Jiaqiang Zhang](#) (China Mobile)
9. [Liang Chen](#) (China Mobile)
10. [Scott Steinbrueck](#) (AT&T)
11. [Luc Provoost](#) (Intel)
12. [Sridhar Rao](#) (Spirent)
13. [Abdullah Alharkan](#) ()
14. [Rihab Banday](#) (Ericsson)
15. [Saad Ullah Sheikh](#)

## Goals of Meeting

1. **Status**
  - a. Labs & Next Steps (POD10/15)
  - b. HDV
  - c. Manifest Validation
  - d. Spirent NFVI/VIM onboard of TCs
  - e. RC Test Case | Req Gap Assessment - need to corroborate & close gaps
2. **Review April Release Deliverables**
  - a. **On/by 2/21:**
    - i. Ensure all Baldy To-Dos are captured (GitHub)
    - ii. [ONES LA Topics Proposals - Technical](#) session planning
      1. Confirm list | Add Description | Presenters | Material
  - b. Review Backlog
  - c. Confirm Volunteer(s)
  - d. Confirm Issue
3. **Review open PRs**
4. **AOB**
  - a. Review / Add Apr. CNTT workshop topics
  - b. RI/RC 2/19 Gov Slide Review

## Agenda:

1. **Status**
  - a. **Labs & Next Steps (POD10/15)**
    - i. **Prior status:**
      1. [Pod10: Access to APIs work](#). Horizon dashboard not accessible. Sridhar to redeploy & analyze source of failures.
      2. [Pod15: Deployment failures](#). Need daily CNTT jobs to stop. Then, will perform manual deployment. Email sent to Cedric to stop jobs, and James asking for concurrence of manual investigation plan for failures.
    - ii. **Today status:**
      1. Two patches from opnfv/airship repo.
        - a. <https://gerrit.opnfv.org/gerrit/c/airship/+69694> (apply pyyaml patch from upstream) **not use patching, already merged & permanent (already done)**
        - b. <https://gerrit.opnfv.org/gerrit/c/airship/+69693> (Glance Rally test fix) have removed Glance testing while deploying, already merged & permanent (already done)
      2. POD10 - stable, not running functest
      3. POD15 - have tried three times for deployment; stable deployment (Ocata); 1 failed test case
        - a. Health check - tempest smoke, trying to find logs (Sridhar)

- b. JIRA ticket opened: #TBD
- b. HDV - finalize schema, build prototype
  - i. **Prior status:**
    1. New HDV RI chapter (index) merged <https://github.com/cntt-n/CNTT/pull/1022>.
    2. New PR has been created by Chen Liang for the HDV contents. <https://github.com/cntt-n/CNTT/pull/1050>.
    3. OPNFV weekly (Monday) call - started using the platform as a means to facilitate HDV discussions
    4. Confirmed Mark B is not able to assist at this time
    5. Solicited developer volunteers to help build prototype.
      - a. Mark Beierl - recommends reviewing - <https://rackhd.github.io/>
      - b. Ram, Vinayak (NFV BU) <vinayak.ram@hpe.com> -
        - i. Discussing plan to see if we can leverage his tool
        - ii. Utilizes standard interfaces based on Redfish to query the infrastructure and get the information to be validated.
  - ii. **Today status:**
    1. Next OPNFV call - China Mobile to share similar HDV validations for awareness, comparison, and potential use for CNTT, pending approvals
    2. HPE - demo? Mgmt approval to use? Mike, checking with Viyanak to attend 2/24 OPNFV call
    3. Review - <https://rackhd.github.io/>
      - a. Mostly done by Dell.
      - b. Abstracting for IPMI, Redfish, etc (based on what Ironic does)
      - c. Consensus is not to expend energy - rather, pursue CMCC and HPE tools
- c. Manifest Validation - finalize schema
  - i. **Prior status:**
    1. Sridhar Rao created initial set of aspects (configuration) to validate as part of manifest (S/W) validation.
    2. Awaiting review/approval from James Gu
  - ii. **Today status:**
    1. Software Deployment - Prototype built checking software links
    2. Config - needs to be done
    3. Demo - next week
- d. Spirent NFVI/VIM onboard of TCs (**NOT COVERED**)
  - i. **Prior status:** Checking with engineering to see if they can decouple NFVI/VIM test cases from core packages.
  - ii. **Today status:**
- e. RC Test Case | Req Gap Assessment
  - i. **Prior status:**
    1. Initial pass complete.
    2. Reviewed and assessed by Functest PTL.
    3. **Next steps:**
      - a. Orange (Cedric) will add traceability (TCs to requirements) in RC Ch 5; to close gaps
      - b. (Done) CNTT (Rabi) will help to restructure the RC document by moving Ch 3 content (TC requirements) to Ch5 (Traceability), and switching the order of Ch 4 Cookbook with Ch 5 TC list and traceability.
      - c. (Mike) Reached out to OPNFV TSC and LFN to get traction on onboarding needed OPNFV projects
        - i. Yardstick - discussing, nothing definitive, CNTT/Xtesting integration is part of the project's recurring call
        - ii. VSPerf - (Sridhar R.) ready to demo, wants to onboard
          1. Conversation in Prague
          2. Target EOM Feb - to add containers for Xtesting
          3. **Next week - demo and discussion about integration**
        - iii. Barometer (Emma Foley, 2/19) -
          1. Discussing, need clarification what is/isn't already onboarded into Functest
          2. ...initial feedback, Barometer TCs are not being run with functest.
          3. ...Determine what TCs we have and whether they are still valid/functional
        - iv. NFVBench - no progress/response
        - v. Storperf (Mark B) - discussing, ready to onboard, dialogue open about storage KPIs, but promoting need to baseline first before having established KPIs
        - vi. SampleVNF – discussing, with renewed interested and potential validations of perf profiling capabilities (as discussed in Prague)
  - ii. **Today status:**
    1. Best way to on board projects above?
    2. Share gap assessment with the team
    3. Chapter 3 data plan performance testing – Luc P. will insert perf test tools/content, for expanding this section (leveraging SampleVNF)

## 2. Review April Deliverables

a. Candidate List: CNTT Baldy

b. RI Goals:

- i. On/by 2/21, Confirm "To Do" Baldy list is complete - <https://github.com/cntt-n/CNTT/projects/7>
- ii. Add new issues to align with Baldy, if missing.
- iii. Confirm Volunteer & Issues

| Reference #  | Feature                       | Notes        | Volunteer | Related Issues                                                                                      |
|--------------|-------------------------------|--------------|-----------|-----------------------------------------------------------------------------------------------------|
| baldy.r.i1.1 | General Cleanups              | All Chapters | Qiao Fu   | <a href="https://github.com/cntt-n/CNTT/issues/1041">https://github.com/cntt-n/CNTT/issues/1041</a> |
| baldy.r.i1.2 | Complete Overall Requirements | Ch02         | Qiao Fu   | Currently do not see any need for update. Will create issue if certain requirement been pointed out |

|              |                                                                              |      |                               |                                                                                                                                                                                                                                      |
|--------------|------------------------------------------------------------------------------|------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| baldy.r11.3  | <b>Complete Lab Requirements</b> <b>Need an issue?</b>                       | Ch04 |                               | Currently do not see any need for update. Will create issue if certain requirement been pointed out                                                                                                                                  |
| baldy.r11.4  | Complete Target State & Metadata                                             | Ch03 | Jiaqiang Zhang<br>Qiao Fu     | need careful review to see if we capture all the requirement from RM and RA.<br><a href="https://github.com/cnnt-n/CNTT/issues/1042">https://github.com/cnnt-n/CNTT/issues/1042</a>                                                  |
| baldy.r11.5  | Complete Installer Requirements and hardware delivery requirement            | Ch05 | Liang Chen                    | <a href="https://github.com/cnnt-n/CNTT/issues/1021">https://github.com/cnnt-n/CNTT/issues/1021</a><br><a href="https://github.com/cnnt-n/CNTT/pull/944">https://github.com/cnnt-n/CNTT/pull/944</a>                                 |
| baldy.r11.6  | Complete Lab Cookbook (Ops)                                                  | Ch06 | Qiao Fu                       | [RI] baldy.r11.6 - Complete Lab Cookbook (Ops) #1165                                                                                                                                                                                 |
| baldy.r11.6  | <b>Restructure &amp; Complete Integration Cookbook</b> <b>Need an issue?</b> | Ch07 |                               |                                                                                                                                                                                                                                      |
| baldy.r11.7* | Implement Profiles within OPNFV Installers and consume CNTT metadata         | DEV  | Lincoln Lavoie<br>Sridhar Rao | This work depends on the on-going activity and discussion of information model in OPNFV. create one issue to follow this work<br><a href="https://github.com/cnnt-n/CNTT/issues/1043">https://github.com/cnnt-n/CNTT/issues/1043</a> |

c. RC Goals:

- On/by 2/21, Confirm "To Do" Baldy list is complete - <https://github.com/cnnt-n/CNTT/projects/4>
- Add new issues to align with Baldy, if missing.
- Confirm Volunteer & Issues

| Reference # | Feature                                                              | Notes        | Volunteer ?                   | Related Issue(s)                                                                                                                                                                                                                                 |
|-------------|----------------------------------------------------------------------|--------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| baldy.rc1.1 | General Cleanup                                                      | All Chapters |                               | [RC-1] baldy.rc1.1: General cleanup for RC doc #1164                                                                                                                                                                                             |
| baldy.rc1.2 | <b>Clarify Conformance Categories (NFVI &amp; VNFs)</b>              | Ch01         | Rajesh, Kanagaraj, Manik      | [RC1 - Ch01] Clarify Conformance Categories (NFVI & VNFs) #1056                                                                                                                                                                                  |
| baldy.rc1.3 | Complete NFVI Framework Requirements                                 | Ch02         | Cedric, Manik                 | [RC-1] Reflect Backward compatibility support in RI #1036<br><br>[RC1 Dev] Clean interfaces between RC and OVP #829<br><br>[RC1 Ch01] Provide Verification Process, including Life Cycle Management #159<br><br>[RC-1 Ch02] VNF Profile(s) #1029 |
| baldy.rc1.4 | Categorise NFVI TC Req and Write API Testing TC                      | Ch03         |                               | [RC1 Ch04] Define the test cases for exposed infrastructure capabilities #774                                                                                                                                                                    |
| baldy.rc1.5 | <b>Create NFVI Mapping &amp; Traceability Matrix and populate it</b> | Ch05         | Rajesh, Dan, Ashok, Deepanshu | [RC1 Ch11] Gap analysis for NFVI Testing #419                                                                                                                                                                                                    |
| baldy.rc1.6 | Restructure NFVI Cookbook and Cleanup                                | Ch04         | Cedric                        | [RC1 Ch9 - Snezka F2F] RC Cookbook Enhancements #945<br><br>[RI1 Dev][RC1 Dev] new RI deployment container #828                                                                                                                                  |

|                      |                                            |     |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------|--------------------------------------------|-----|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| bal dy . rc1 .<br>7* | NFVI Framework & Test<br>Cases Development | DEV | Cedric,Manik | <a href="#">[RI 1 Dev] Port NFVbench testcases to Xtesting #865</a><br><br><a href="#">[RI1 RC1] Add tempest-stress in Functest #916</a><br><br><a href="#">[RC-1] Port VTP test cases to Xtesting #917</a><br><br><a href="#">[RI 1 Dev] Port VSPERF testcases to Xtesting #511</a><br><br><a href="#">[RI 1 Dev] Port Bottlenecks to Xtesting #510</a><br><br><a href="#">[RI 1 Dev] Port YardStick testcases to Xtesting #509</a><br><br><a href="#">[RI 1 Dev] Port StorPerf testcases to Xtesting #673</a><br><br><a href="#">[RI1 RC1] Integrate Spirent NFVI /VIM TCs to Functest/Xtesting</a> |
|----------------------|--------------------------------------------|-----|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

3. **Review open PRs**

- a. [\[RI Ch05\] Installer Requirements - issue 846 #944](#)
- b. [\[RI Ch09\] Pharos Details in Development Chapter #1058](#)
- c. [\[RI\] update chp 03 with hardware profile info #1067](#)
- d. [\[RA1\]\[RC1\] Set Neutron extensions as optional #1107](#)

4. **AOB**

- a. **Further suggestions for Apr. CNTT workshop**
  - i. [HDV - pre software validation \(demo?\)](#)
  - ii. [Manifest - post software validation \(demo?\)](#)
  - iii. RI-1: Deep Dive
  - iv. RI-1: Demo
  - v. RC-1: OPNFV Badging LC Process
  - vi. RC-1: RC Delivery Cycle - [multiple times, confirming CNTT requirements met](#)
  - vii. RC-1: Cookbook
  - viii. RC-1: Deep Dive
- b. **Review Gov Slide:**
  - i. [CNTT\\_Weekly\\_Goverance - Final \(FIX input - DRAFT 19Feb2020\).pptx](#)