

# 2020-02-26 - [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. [Deepanshu Bhatia](#) (VoerEir)
4. [Jim Baker](#) (LF)
5. [Daniel Balsiger](#) (Swisscom)
6. [Rajamani Rajesh](#) (Spirent)
7. [Luc Provoost](#) (Intel)
8. [Pierre Lynch](#) (Keysight)
9. [Jiaqiang Zhang](#) (China Mobile)
10. [Liang Chen](#) (CMCC)
11. [Lincoln Lavoie](#)
12. [Saad Ullah Sheikh](#) ((Saudi Telecom Company - STC)
13. [Sridhar Rao](#) (Spirent)
14. [Scott Steinbrueck](#) (AT&T)

## Goals of Meeting

1. Admin
2. Status
  - a. Labs & Next Steps (POD10/15)
  - b. HDV
3. (New) Gaps, Issues, & Weekly Summary
4. Demos
  - a. VSPerf - **tabled until next week**
  - b. S/W (Manifest) Validation - **occurred later in the day 2/26**
5. Time Permitting (**No time to cover**)
  - a. Discuss open PRs
  - b. HDV - deep dive, next steps on tooling and prototype (leverage CMCC, HPE, Ironi, etc)
  - c. **RC Test Case | Req Gap Assessment** **see updates on communication / discussions with PTLs below**
  - d. Review April Release Deliverables
    - i. Review Backlog
    - ii. Confirm Issue
  - e. Review / Add Apr. CNTT workshop topics
  - f. Spirent NFVI/VIM onboard of TCs
6. AOB

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## Agenda:

1. **Admin** - Move [Baldy](#) backlog to [Hallasan](#) by EOW
2. **Status**
  - a. **Labs & Next Steps (POD10/15)**
    - i. **Prior status:**
      1. Pod10: Access to APIs work. Stable, but not running Functest.
      2. Pod15: Investigation of failed health check.
    - ii. **Today status:**
      1. Satisfied with deployments
      2. Need to confirm test runs which are enabled - Gerrit request placed to enable test runs - <https://gerrit.opnfv.org/gerrit/c/relog/+69736>
      3. Related to Test Gaps, but a proposal was made to run Prox based tests, as data plan tests.
        - a. RC documentation was updated to include Prox in addition to other projects mentioned (VSPerf, NFVBench, Yardstick)

- b. Luc to check on open issues related to Prox in documentation, and ensure validations mention the option of using Prox
    - b. HDV - finalize schema, build prototype
      - i. **Prior status:**
        - 1. Solicited developer volunteers to help build prototype.
          - a. Ram, Vinayak (NFV BU) <vinayak.ram@hpe.com> - Utilizes standard interfaces based on Redfish to query the infrastructure and get the information to be validated.
      - ii. **Today status:**
        - 1. CMCC presentation made at OPNFV call 2/24 - general interest to move forward with a subsequent call for the build-out and use of an HDV utility.
        - 2. Need developer who can contribute - VMWare not available, HPE indicating they are checking with their management before proceeding
        - 3. Use community call to drive interest. Lincoln send email to OPNFV Tech Community to have a deep(er) discussion on HDV at the next OPNFV call on 3/2
- 3. **Gaps, Issues, & Weekly Summary**
  - a. CIRV project
  - b. Purpose:
    - i. Ensure RI-1 implementation matches RM and RA-1 requirements (config and deployment)
    - ii. Ensure RC-1 suites validate both Application (OpenStack) and CNTT (config, capabilities. Extensions, etc) requirements
  - c. Mentioned this will be shared with Gov weekly
    - i. Reviewed Gaps - went over table layout, solicited support from RI-1 WS for assistance verifying "RI-1 Implemented (Yes/No) column.
    - ii. Reviewed Weekly Summary - two parts: 1) Issues/Defects which result in Release Notes, and 2) Test Summary - to demonstrate consecutive runs/failures
- 4. **Demo**
  - a. VSPerf - tabled until next week
  - b. S/W (Manifest) Validation - occurred later in the day 2/26
    - i. **Prior status:**
      - 1. Sridhar Rao created initial set of aspects (configuration) to validate as part of manifest (S/W) validation.
      - 2. Config needs to be done
    - ii. **Today status:**
      - 1. Demo provided
        - a. Pre-deploy validations reviewed provides manifest file integrity checks, and stages mandatory and optional requirements target final delivery 3/4
        - b. Post-deploy --> more time needed for development --> end of march presumably, can leverage helm, or kubectl verifications target final delivery EOM March
      - 2. Dev feedback and contributions needed will demo to the OPNFV Community 3/2, showing prototype, hoping to spur interests to accelerate tool delivery
- 5. **Time Permitting (No time to cover)**
  - a. Discussion Open PRs
    - i. [RI Ch09] Pharos Details in Development Chapter #1058
    - ii. [RI] update chp 03 with hardware profile info #1067
    - iii. [RC1 - Ch03] Documentation Updates - Clarify Statements for Excluded Test Cases #1163
  - b. HDV - deep dive
  - c. RC Test Case | Req Gap Assessment
    - i. **Prior status:**
      - 1. Chapter 3 data plan performance testing – Luc P. will insert perf test tools/content, for expanding this section (leveraging SampleVNF)
      - 2. Next steps: update based on 2/24-2/26 discussions with PTLs
        - a. (Cedric) will add traceability (TCs to requirements) in RC Ch 5; to close gaps
        - b. (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. Demo'd prototype 2/26
        - 2. Pre-deployment Manifest Checks target end 3/4
        - 3. Post-deployment Validations target EOM March
        - 4. Target EOM Feb - to add containers for Xtesting to be confirmed
      - 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
        - 4. PTL provided wiki 2/26 of how to use; ack. no discussion on integrating Xtesting; they will research and follow-up with Cedric
      - iv. NFVBench - Alex H.
        - 1. Discussion 2/25 can cover two Performance Requirements at a minimum
        - 2. Provided requirements, test cases, and overview
        - 3. Value-add in Latency, Throughput, and Capacity benchmarking
        - 4. Requires external TRex traffic generator (use on jump host), specific NICs (710s already in lab), and access to TOR switch w/ software config
        - 5. Intel to provide 'best effort' support if we decide to pursue
        - 6. On hold right now pending review / integration of Prox, and demo of VSPerf week of 3/2
      - 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)
        - 1. Prox is code residing in SampleVNF project, which can be used for performance profiling

2. Follow-up needed with Luc to determine feasibility and traceability to requirements for what Prox can cover

d. **Review April Deliverables:** CNTT Baldy

- i. RI Goals: <https://github.com/cntt-n/CNTT/projects/7>

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

- ii. RC Goals: <https://github.com/cntt-n/CNTT/projects/4>

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  [RC1 Dev] Clean interfaces between RC and OVP #829  [RC1 Ch01] Provide Verification Process, including Life Cycle Management #159  [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  [RI1 Dev][RC1 Dev] new RI deployment container #828
baldy.rc1.7*	NFVI Framework & Test Cases Development	DEV	Cedric, Manik	[RI 1 Dev] Port NFVbench testcases to Xtesting #865

				<p>[RI1 RC1] Add tempest-stress in Functest #916</p> <p>[RC-1] Port VTP test cases to Xtesting #917</p> <p>[RI 1 Dev] Port VSPERF testcases to Xtesting #511</p> <p>[RI 1 Dev] Port Bottlenecks to Xtesting #510</p> <p>[RI 1 Dev] Port YardStick testcases to Xtesting #509</p> <p>[RI 1 Dev] Port StorPerf testcases to Xtesting #673</p> <p>[RI1 RC1] Integrate Spirent NFVI /VIM TCs to Functest/Xtesting</p>
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e. Review / Add Apr. CNTT workshop topics

- 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

f. Spirent NFVI/VIM onboard of TCs

6. **AOB**