

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. SW (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, IroniC, 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

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/releng/+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.r11.1	General Cleanups	All Chapters	Qiao Fu	https://github.com/cntt-n/CNTT/issues/1041
baldy.r11.2	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	Complete Lab Requirements Need an issue?	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 Qiao Fu	need careful review to see if we capture all the requirement from RM and RA. https://github.com/cntt-n/CNTT/issues/1042
baldy.r11.5	Complete Installer Requirements and hardware delivery requirement	Ch05	Liang Chen	https://github.com/cntt-n/CNTT/issues/1021 https://github.com/cntt-n/CNTT/pull/944
baldy.r11.6	Complete Lab Cookbook (Ops)	Ch06	Qiao Fu	[RI] baldy.r11.6 - Complete Lab Cookbook (Ops) #1165
baldy.r11.6	Restructure & Complete Integration Cookbook Need an issue?	Ch07		
baldy.r11.7*	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 https://github.com/cntt-n/CNTT/issues/1043

- 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	Clarify Conformance Categories (NFVI & VNFs)	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	Create NFVI Mapping & Traceability Matrix and populate it	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

					[RI1 RC1] Add tempest-stress in Functest #916 [RC-1] Port VTP test cases to Xtesting #917 [RI 1 Dev] Port VSPERF testcases to Xtesting #511 [RI 1 Dev] Port Bottlenecks to Xtesting #510 [RI 1 Dev] Port YardStick testcases to Xtesting #509 [RI 1 Dev] Port StorPerf testcases to Xtesting #673 [RI1 RC1] Integrate Spirent NFVI /VIM TCs to Functest/Xtesting
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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**