

2019-11-20 - [CNTT - RI - 01] - Meeting Agenda and Minutes

Meeting Logistic:

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

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

Attendee List:

1. [Pierre Lynch](#) (Keysight)
2. [Michael Fix](#) (AT&T)
3. [Mark Shostak](#) (AT&T)
4. [Mark Beierl](#) (VMware)
5. [Rajamani Rajesh](#) (Spirent)
6. [Cedric Ollivier](#) (Orange)
7. [Daniel Balsiger](#) (Swisscom)
8. [Ashok Kumar](#) (VoerEir)
9. [Pierre Lynch](#) (Keysight)
10. [Justin Higa](#) (Spirent)
11. [Liang Chen](#) (China Mobile)
12. [Lincoln Lavoie](#) (UNH-IOL)
13. [Jiaqiang Zhang](#) (China Mobile)
14. [Lei Huang](#) (China Mobile)

Goals of Meeting:

- **Agenda Bashing**
- **Antitrust:**
 - [Linux Foundation Anti-Trust Policy Notice](#)
 - [GSMA Anti-Trust Policy Notice](#)
- **Re-balance of GitHub Issues**
- **RI 1 Core: Team:** Ch's 1,2,3,5 (4 Lab Req. was moved to RI Labs)
 - Requirements extraction from RM/RA
 - **Status: (11/20)** ongoing discussion in RM meetings to define requirements; there is a scheduled call with UNH today to discuss a h/w recommendation;; output will feed into the extraction of requirements for RI1, although code has already been deployed.
 - Use of PDF
 - **Status: (11/20)** tabled as Fu Qiao was OoO at Kubecon
- **RI 1 Labs: Rajesh:** Ch's 4, 6
 - Status of POD10
 - Cedric continues to work on Functest, with all RM Ch5 Compliance checks added with exception of Nova which is in progress
 - Clarification/Status re: [\[RI 1 Labs\] Intel Pod-10 Status and Ongoing Works #591](#)
 - **Issues**
 - Enable SRIOV on Pod-10 and Redeploy: Patch Submitted on Nov-9th: <https://gerrit.opnfv.org/gerrit/#/c/airship/+68815/> . Once the patch is merged, redeploy will be performed.
 - Deploy script in opnfv-airship to be generic - use the same script to deploy all pods. Work in Progress. Patch Submitted: <https://gerrit.opnfv.org/gerrit/#/c/airship/+68816/>
 - **Status: as of 7 pm CT on 11/20:**
 - Pod10 is up, after redeployment with SRIOV. F
 - Now the deploy script in opnfv-airship can be used to deploy all pods. The patch got merged.
 - Functest is running tests - results TBA.
 - Plans/dates for POD15
 - **Status: (11/20)** tabled until next meeting
- **RI 1 Dev: Cedric, Rex, Lei:** Ch's 7, 8
 - **Ch 7 (Cookbook)** Have we started documenting lab setup, deployment, and validation steps?
 - Required for Jan release
 - **Status: 11/20**
 - Rex+Lei to meet / work offline to review sections and start in on the documentation/writing
 - [Michael Fix](#) (AT&T) to add missing sections & correct typo(s) **Complete 11/20!**
 - Additional (missing) sections - to do:
 - CI/CD tool chain (use of, process, and scripts)
 - Jenkins setup & job creation
 - Compliance Validation
 - POD10 - automation
 - **Status (11/20):** Daily jobs - not running (pending changes needed for Issue #591)
- **Approve PRs ?**
- **Review & Verify open issues**
- **Tentative Agend for week's meeting**
 - Cookbook status ([Rex Lee](#), [Lei Huang](#))
 - Use of PDF ([Qiao Fu](#))
 - Plans/dates for POD15 ([Sridhar Rao](#), [Rajamani Rajesh](#))

Detailed Meeting Agenda:

- **General Admin**

- **RI Documentation** - https://github.com/cntt-n/CNTT/tree/master/doc/ref_impl/cntt-ri
 - To be written (completed) with the Jan CNTT Release
- **Run Book** (GitHub - RI Ch07 - aka Cookbook for lab setup, deployment and validation)
 - To be written (compiled, completed) with the Jan CNTT Release
 - **Will be part of RI Ch07 deliverable**
 - Consists of
 - Pre-Requisite(s): Bare-metal validations confirming delivery, rack, stack, of env is "ready" for software deployments (e. g. BIOS, firmware, boot order, health, disk config, port / socket validations, MAC/NIC status, etc)
 - a) RA Requirements Gathering process
 - b) Infra Requirements and Selection Process
 - c) Access & Connectivity
 - d) Descriptor file &/or Manifest creation (data elements, use/implementation)
 - e) Deployment Installer & Install Steps
 - f) Deployment Validations
 - ...others?

- **Work-stream**

- 1. **Core**

- a. **Lead:** Fu Qiao
 - b. **Issues:** five(5) <https://github.com/cntt-n/CNTT/issues?q=is%3Aopen+is%3Aissue+label%3A%22RI+1+Core%22>
 - c. **PRs:** two(2) <https://github.com/cntt-n/CNTT/pulls?q=is%3Apr+is%3Aopen+label%3A%22RI+1+Core%22>
 - d. **Status**
 - e. **Tasks (Work in progress)**
 - i. Creation of PDF/SDF Templates [11/13](#) Fu Qiao mentioned there is a call this week with Jack Morgan with the Infra WG to discuss PDF and possible changes needed to accommodate Airship
 - ii. Hand-off to RC WS

- 2. **Lab Setup**

- a. **Lead:** Rajesh Rajamani
 - b. **Issues:** five(5)(- <https://github.com/cntt-n/CNTT/issues?q=is%3Aopen+is%3Aissue+label%3A%22RI+1+Labs%22>
 - c. **PRs:** zero(0) <https://github.com/cntt-n/CNTT/pulls?utf8=%E2%9C%93&q=is%3Apr+is%3Aopen+label%3A%22RI+1+Labs%22+>
 - d. **Status**
 - i. **POD10 (CNTT RI PoC)** - will be used for initial install of OS via AirShip
 - <https://wiki.opnfv.org/display/pharos/Intel+POD10>
 - **Status**
 - [11/13](#) Patches needed
 - SRIOV – thought NIC was different, so diff driver
 - Generic Env Variable
 - Sridhar will open tickets to track (in GitHub)
 - Sridhar will reach out to Airship dev team to confirm both request have been received /acknowledged
 - **Manifest Validation(s)** - [11/13](#) Sridhar to provide status and its relation to OPNFV-AirShip status /discussion
 - **Jenkins setup?**
 - [11/13](#) (Cedric) Jobs written. Slave Delivered.
 - CI/CD mostly in place (Functest ok, Jenkins Jobs ok, missing few changes + bugs in Airship for automated deployments)
 - API Compliance (only Neutron and Cinder are well covered by CNTT docs – I'm currently working on Nova, Keystone, Swift and Glance)
 - Functest Compliance is up-to-date with CNTT API section
 - ii. **POD15 (CNTT RI target state)** - end state lab for RI 1.0
 - <https://wiki.opnfv.org/display/pharos/Intel+POD15>
 - **Status:**
 - **Target date to start base install?** (Rajesh) Provide date for install.
 - **What about the creation/use of PDF/SDF?** (Fu Qiao) Take back to Core Team for how to incorporate/start these consumables.
 - [11/13](#) Discussion on when to deploy to POD15
 - Went over need to perform bare-metal validations as a pre-req: No tools exist today to do, even UNH-IOL does not have tools
 - Question remains, how to perform validations without a tool? Step 1
 - Step 2: Perform manifest validations against deployed code Rajesh/Sridhar to setup call with Mark S. and Cedric to confirm where Requirements are located, then start looking at tools

- e. **Tasks (Work in progress)**

- i. **PoC on Trial Lab**

- ☐ **POD10**

- ☒ Confirm availability (10/9)

- ☒ Confirm access (10/16)

- ☒ Perform AirShip installer (owner | date)

- ☐ Validate install status & env health (smoke test) (owner | date) *In progress (11/13)*
- ☐ Confirm & correct deployment issues - tune manifest (10/16-EOM Oct) (owner | date)

ii. **Implementation on Target Lab**

- ☐ POD15
 - ☒ Confirm availability (10/9)
 - ☒ Confirm access (10/16)
 - ☐ **Perform AirShip installer** (owner | date) *11/13 Under discussion, pending the outcome of a) the manifest validations in POD10, and b) completion and documentation of bare-metal validations in POD15.*
 - ☐ Validate install status & env health (smoke test) (owner | date)
 - ☐ Confirm & correct deployment issues - tune manifest (10/16-EOM Oct) (owner | date)

3. Dev

- a. **Leads:** Cedric Ollivier, Rex Lee and Lei Huang
- b. **Issues:** **eight(8)** <https://github.com/cntt-n/CNTT/issues?utf8=&q=is%3Aopen+is%3Aissue+label%3A%22RI+1+Dev%22+>
- c. **PRs:** **one(1)** - <https://github.com/cntt-n/CNTT/pulls?utf8=%E2%9C%93&q=is%3Apr+is%3Aopen+label%3A%22RI+1+Dev%22+>
- d. **Status**
- e. **Tasks (Work in progress)**
 - i. Item 1
 - ii. Item 2
 - iii. Item 3

AOB (Any other Business):

- **Discussed the need to complete RI documentation by Jan F2F**
- **Also, discussed the need to complete the "Run Book" by Jan F2F - which will be Ch 7 of the RI documentation**
- **Bare metal validations** (manifest checks w/ h/w or lab delivery) needs to be added to the Run Book
 - Gap? Pre-existing process/validations? there are post software deployment validations, but no validations to date to confirm the bare metal delivered is ready for s/w deployments
 - This will be included as a pre-req in the RI Ch07 documentation
- **POD10 deployment - complete?**
 - POD10 software is deployed
 - However.. the AirShip deployment installer and manifests were (are) specific to POD17
 - There is AirShip project discussions underway to make the installer generic so it can be used across any POD; for now, it's been manually configured for POD10
 - ETA is ~11/17-11/20 for the automated deployment change can be done and tested, and possibly implemente
- **Functest API test - status? green light?**
 - Cedric received the green light today to run Functest, less the CICD scripts to perform the deployment
 - The deployment+validation steps will not be run until the AirShip generic installer parameters have been created and tested
 - ETA for Functest readout is by EOW (11/8)