

# 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)

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## Detailed Meeting Agenda:

- **General Admin**

- **RI Documentation** - [https://github.com/cntt-n/CNTT/tree/master/doc/ref\\_impl/cntt-ri](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)