

2019-11-13 - [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. [Qiao Fu](#) (China Mobile)
2. [Michael Fix](#) (AT&T)
3. [Jim Baker](#) (LFN)
4. [Mark Shostak](#) (AT&T)
5. [Al Morton](#) (AT&T)
6. [Pierre Lynch](#) (Keysight)
7. [Lei Huang](#) (China Mobile)
8. [Rajamani Rajesh](#) (Rajesh)
9. [Liang Chen](#) (China Mobile)
10. [Jiaqiang Zhang](#) (China Mobile)
11. [Deepanshu Bhatia](#) (VoerEir)
12. [Sridhar Rao](#) (Spirent)
13. [Trevor Cooper](#) (Intel)
14. [Ashok Kumar](#) (VoerEir)
15. [Georg Kunz](#) (Ericsson)
16. [Lincoln Lavoie](#) (UNH-IOL)
17. [Shiby Parayil](#) (Iconnectiv)
18. [Yan Yang](#) (China Mobile)
19. [Hongli Zhang](#) (China Mobile)
20. [Jiaqiang Zhang](#) (China Mobile)

Goals of 11/13 Meeting:

- Prague F2F schedule planning
 - General RI WS updates: fundamental concepts, major progress, roadmap, challenges, collaboration with OPNFV ...
 - Installer description file updates and joint discussion with Pharos/Infra WG
 - POD implementation updates, progress and challenges
 - LAB updates, requirements, status and progress
 - Format
 - **Short Description:** One line description of topic
 - **Detailed Description:** Detailed description of topic
 - **Topic Leader:** name 1, name 2, ...
 - **Estimated Audience (Participant?) Size (1-15 / 15-30 / 30-50 / >50):**
 - **Interested In Attending:** If you are interested in this discussion and would like to participate in it, please add your name and email here (one name/email per line please). We'll use this information when building the schedule so that we minimize overbooking people where possible.
- Status of POD10
 - Success ?
 - Requirements extraction from RM/RA
 - Use of PDF
- Plans/dates for POD15
- Approve PRs ?
- Assign open issues: 1 Lab, 3 Dev (see links below)
- Verify owners

Detailed Meeting Agenda:

- **General Admin**
 - **RI Documentation** - https://github.com/cnnt-n/CNTT/tree/master/doc/ref_impl/cnnt-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:** six(6) <https://github.com/cnnt-n/CNTT/issues?q=is%3Aopen+is%3Aissue+label%3A%22RI+1+Core%22>
- c. **PRs:** five(5) <https://github.com/cnnt-n/CNTT/pulls?q=is%3Apr+is%3Aopen+label%3A%22RI+1+Core%2>
- 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:**
 - i. **1 unassigned, 4 total** - <https://github.com/cnnt-n/CNTT/issues?q=is%3Aopen+is%3Aissue+label%3A%22RI+1+Labs%22>
 1. Assigned 525 RI1 Labs to Fu Qiao and Rajesh - <https://github.com/cnnt-n/CNTT/issues/525>
- c. **PRs:** zero(0) <https://github.com/cnnt-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:** **3 unassigned, 10 total** <https://github.com/cntt-n/CNTT/issues?utf8=&q=is%3Aopen+is%3Aissue+label%3A%22RI+1+Dev%22>
 - i. 11/13 Assigned 508, 509, 510 to Cedric as these are all about porting to Functest
 - c. **PRs:** <https://github.com/cntt-n/CNTT/pulls?utf8=%E2%9C%93&q=is%3Apr+is%3Aopen+label%3A%22RI+1+Dev%22>
 - d. **Status**
 - i. See above & below for POD10 and POD15 status, and action items below.
 - 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 implemented
- **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)