

CNTT - CNCF TUG F2F workshop in KubeCon NA 2019

- [Logistics](#)
- [RFC: Brainstorming agenda items](#) (add your name if you volunteer to present a topic (we can have more presenters for one topic))

Requesting potential agenda items, topics of discussion and lighting talk speakers.

Logistics

- Valid registration to [KubeCon](#) is needed for on site participation
- Remote (audio-only) participation is possible via this Zoom: <https://zoom.us/j/297749799>
- RSVP link: <https://forms.gle/VahVc9WVPNGMdk9p9>
- Google Slides: <https://docs.google.com/presentation/d/1gKU5hVG5DvMrvTpNYG0U09mn0XFEdLXPydbYjXcyp7s>
- Notes:
 - On wiki: [Notes from CNTT - CNCF TUG F2F workshop in KubeCon NA 2019](#)
 - On Google Docs: <https://docs.google.com/document/d/1bCKhutfNmAz1k31N-SXnjaSa7cRCCacjggtZgB8Nmls/edit#>
- **Joint TUG/CNTT Meeting Part 1**
 - Date/Time: Monday, November 18, 4:30pm - 6:30pm
 - Location:
 - San Diego Convention Center
 - Meeting room 17B, Mezzanine level
 - Capacity: 100
 - **Agenda for Joint TUG/CNTT Meeting Part 1**
 - **Overview of TUG and CNTT groups**
 - **Interactive workshops/discussions**
 - [Review of Chapter 1 of TUG Whitepaper](#)
 - [CNTT Cloud Native Reference Architecture \(RA2\)](#)
 - Validation of the ToC of RA2. Are we discussing the right topics in RA2? ([Gergely Csatari user-0322e](#))
 - Reference Architecture table of contents
 - Cloud native
 - Validation of the principles we have in RA2 ([user-0322e](#))
 - Validation of the different chapter content of RA2 ([user-0322e](#))
 - Validation of gaps if we have any ([user-0322e](#))
 - **Break**
 - **Interactive workshops/discussions**
 - LFN OVP compliance and validation
 - Scoping of a RI-2 based on RA-2 ([user-0322e](#))
 - Where is this going? What needs to be added, updated, and/or removed to support K8s based platforms? What about hybrid platforms? ([user-0322e](#) [Jim Baker](#) [Bill Mulligan](#))
 - ONAP collaboration with CNCF for test automation ([Lingli Deng](#))
 - **ONAP TSC/CNCF TUG meetup** ([Lingli Deng](#) [Srinivasa Addepalli](#) [ramki krishnan](#))
- **Joint TUG/CNTT Meeting Part 2**
 - Date/Time: Wednesday, November 20: 4:30pm - 6:30pm NOTE THIS MEETING TIME HAS BEEN UPDATED
 - Location:
 - San Diego Convention Center
 - Meeting room 2, Upper level
 - Capacity: 160
 - RSVP link: <https://forms.gle/VahVc9WVPNGMdk9p9>
 - Please indicate your participation here
 - **Agenda for Joint TUG/CNTT Meeting Part 2**
 - **Overview of TUG and CNTT groups**
 - **On-going communications/check points** ([Gergely Csatari](#))
 - **Lightning talks**
 - External boundary conditions ([Gergely Csatari](#))
 - Motivations to use Kubernetes in telco ([Gergely Csatari user-0322e](#))
 - OVP Automation with ONAP ([Lingli Deng](#))
 - Intro to the NSM (Nikolay Nikolaev)
 - Performance testing of NSM and CNFs using Meshery - Lee Calcote
 - Cloud native security and intrusion detection - Kris Nova
 - X-factor CNF Methodology - [Frederick Kautz](#)
 - Tungsten Fabric - [Sukhdev Kapur](#)
 - ONAP/Akraino Edge Initiative - [ramki krishnan](#), [Srinivasa Addepalli](#)
 - **Break**
 - **Lessons learned from cloud native 5G Kubecon demo** ([Heather Kirksey](#) + Azhar, Hanen and demo team)
 - **Panel: Cloud Native for Telecoms**
 - [Daniel Bernier](#) - Bell Canada
 - [Frederick Kautz](#) - doc.ai, [Network Service Mesh](#) (CNCF Sandbox project)
 - [Kris Nova](#) - Sysdig, [Falco](#) (CNCF Sandbox project)
 - [user-0322e](#) - Vodafone

RFC: Brainstorming agenda items (add your name if you volunteer to present a topic (we can have more presenters for one topic))

- Overview of TUG and CNTT
- CNTT Cloud Native Reference Architecture (RA2)
 - Motivations to use Kubernetes in telco ([Gergely Csatari user-0322e](#))
 - Environment where we are using the infrastructure (bare metal/on top of a private cloud/public cloud)
 - External rules (ANSSI for network separation, hard multitenancy, nines, microseconds) ([Gergely Csatari](#))
 - Validation of the ToC of RA2. Are we discussing the right topics in RA2? ([Gergely Csatari user-0322e](#))
 - Reference Architecture table of contents
 - Cloud native
 - Validation of the principles we have in RA2 ([user-0322e](#))
 - Validation of the different chapter content of RA2 ([user-0322e](#))
 - Validation of gaps if we have any ([user-0322e](#))Are we asking the right questions?
 - Interactive Q/A and feedback?
- LFN OVP compliance and validation
 - Where is this going? What needs to be added, updated, and/or removed to support K8s based platforms? What about hybrid platforms? ([user-0322e](#))
 - Scoping of a RI-2 based on RA-2 ([user-0322e](#))
 - Implementation and integration of RI-2
 - K8s test tool landscape and integration in OVP tooling
 - ONAP collaboration with CNCF for test automation ([Lingli Deng](#))
- Shared definitions between groups, examples:
 - CNF - what is a CNF or Cloud Native Network Function? ([Gergely Csatari user-0322e](#))
 - What criteria do Operators want for CNCF certified CNFs at each level (to be determined). Eg.
 - Gold CNF
 - Silver CNF
 - Bronze CNF
- Review of documentation from TUG ([Taylor Carpenter](#))
 - Chapter 1 from WIP whitepaper [Cloud Native Thinking for Telecommunications](#)
 - WIP whitepaper [Deploying Cloud Native Network Functions in a telecom service provider ecosystem](#)
 - Cloud Native Principles reference documents (starting with the [Cloud Native Networking Preamble](#))
 - RI-1 vs RI-2 Lab and POD discussions
 - See [Telecom User Group Google Drive](#) for more
- What are some ways to show achievements of CNTT and TUG collaboration?
 - On-going communications/check points ([Gergely Csatari](#))
 - Marketing communications of the collaboration
- Panel on cloud native ([Gergely Csatari user-0322e](#))
- Lessons learned from cloud native 5G Kubecon demo ([Heather Kirksey](#) + Azhar, Hanen and demo team)
- ONAP TSC/CNCF TUG meetup ([Lingli Deng Srinivasa Addepalli ramki krishnan](#))
 - Edge automation
 - Distributed intelligence
 - CNCF CNF Testbed
- Demo (Remote) :
 - Testing OPNFV CNTT Pods (Airship 1.0)