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/VahVc9WVPNGMdkg9p9
- Google Slides: https://docs.google.com/presentation/d/1gKUshVG5DvMr7pNYG0U09mn0XFEdLXPydbyYXcyp7s
- Notes:
  - On wiki: Notes from CNTT - CNCF TUG F2F workshop in KubeCon NA 2019
  - On Google Docs: https://docs.google.com/document/d/1bCKhufNMaz1k31N-SXnjaSa7cRCCacjgjZgB8NmIs/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? (user-0322e)
      - 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/VahVc9WVPNGMdkg9p9
- 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:
  - 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)