

# CNTT talk proposals to Open Infrastructure Summit 2020.10

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## CFP logistics

- Deadline: August 4 at 11:59pm PT / Aug 5th 9:59 am (Europe/Kiev)
- Submission link: <https://t.e2ma.net/click/2ndfhc/ysadgbb/q2gein>

## Talk ideas

### What CNTT thinks about containers?

- Presenter(s) (first one submits): [Gergely Csatari](#) , [Georg Kunz](#)
- Select the format: Presentation
- What is the general topic of the presentation?: 5G, NFV & Edge
- Select the technical level of your presentation content: Intermediate
- Abstract (1000 chars):

Cloud iNfrastructure Telco Task Force (CNTT) is an initiative to standardise the cloud infrastructures running telecom workloads. Integrating and running workloads on telecom cloud infrastructures has shown to be complex and time consuming, mainly due to varying interfaces and capabilities. The mission of CNTT is to harmonise interfaces and characteristics of telco cloud infrastructures using open and standardised solutions. As part of this process CNTT is working on a virtual machine and a container based cloud infrastructure definition. In this presentation Georg and Gergely will explain how CNTT defines a Reference Architecture for Kubernetes based on a technology agnostic Reference Model, how this model is implemented in a Reference Implementation and how different implementations can be tested with a Reference Conformance test suite.

(892)
- Social Summary (100 chars):

An introduction of the Kubernetes based workstreams of CNTT.

(60)
- What should attendees expect to learn? (1000 chars)

Attendees will get an overview of the CNTT Kubernetes Based Reference Architecture (RA2), Reference Implementation (RI2) and Reference Conformance (RC2) and the related activities in OPNFV.

(190)
- Are you available to discuss the topic of this presentation with attending media? (Y/N) Y
- PLEASE PROVIDE ANY RELEVANT LINKS TO ADDITIONAL INFORMATION, SUCH AS CODE REPOSITORIES, CASE STUDIES, PAPERS, BLOG POSTS ETC. (UP TO 5 LINKS)
  1. [https://github.com/cntt-n/CNTT/tree/master/doc/ref\\_arch/kubernetes](https://github.com/cntt-n/CNTT/tree/master/doc/ref_arch/kubernetes)
  2. [https://github.com/cntt-n/CNTT/tree/master/doc/ref\\_impl/cntt-ri2](https://github.com/cntt-n/CNTT/tree/master/doc/ref_impl/cntt-ri2)
  3. [https://github.com/cntt-n/CNTT/tree/master/doc/ref\\_cert/RC2](https://github.com/cntt-n/CNTT/tree/master/doc/ref_cert/RC2)
  4. [INACTIVE- Cloud iNfrastructure Telco Taskforce - CNTT](#)

### CNTT and CNTT Reference Model introduction

- Presenter(s) (first one submits): [Gergely Csatari](#) , [Beth Cohen](#)
- Select the format: Presentation (maybe Panel?)
- What is the general topic of the presentation?: 5G, NFV & Edge
- Select the technical level of your presentation content: Intermediate
- Abstract (1000 chars):

Cloud iNfrastructure Telco Task Force (CNTT) is an initiative to standardise the cloud infrastructures running telecom workloads. Integrating and running workloads on telecom cloud infrastructures has shown to be complex and time consuming, mainly due to varying interfaces and capabilities. The mission of CNTT is to harmonise interfaces and characteristics of telco cloud infrastructures using open and standardised solutions. In this presentation Gergely will describe the different document types of CNTT and their relationship to each other with an extensive description of the Reference Model.

(635)
- Social Summary (100 chars):

An introduction to CNTT and the CNTT Reference Model.
- What should attendees expect to learn? (1000 chars)

Attendees will get an overview about the different CNTT document types and an explanation of the CNTT Reference Model.
- Are you available to discuss the topic of this presentation with attending media? Y
- PLEASE PROVIDE ANY RELEVANT LINKS TO ADDITIONAL INFORMATION, SUCH AS CODE REPOSITORIES, CASE STUDIES, PAPERS, BLOG POSTS ETC. (UP TO 5 LINKS)
  1. <https://github.com/cntt-n/CNTT>
  2. [https://github.com/cntt-n/CNTT/tree/master/doc/ref\\_model](https://github.com/cntt-n/CNTT/tree/master/doc/ref_model)

## Better Together Edge: Building Cross Community Consensus

- Presenter(s) (first one submits): [Beth Cohen](#), [Sukhdev Kapur](#), [Ahmed El Sawaf](#), [Ildiko Vancsa](#)
- Select the format Panel: Max Speakers 3, Max Moderators 1): Panel
- What is the general topic of the presentation? (5G, NFV & Edge)
- Select the technical level of your presentation content (N/A)
- Abstract (1000 chars):

Last year, the Cloud Infrastructure Telco Taskforce (CNTT) was created by a consortium of global telecom leaders to establish a common language, reference architectures and standards to support NFVs. In April 2020, based on community interest, an Edge work stream was added to identify the requirements for ORAN, 5G, edge networking and other telecom Edge use cases.

Due to the nature of Edge, it quickly became obvious that we would have to work collaboratively across multiple other Open Source and Standards bodies to achieve our goals.

This panel made up of people representing not only CNTT, but OpenStack, CDIM, TIP, and OPNFV, will discuss the trials and tribulations, tips and tricks to making it work across such a diverse membership to design infrastructure with significant resource constraints and WAN connections.

- Social Summary (100 chars):

Cross community collaboration to define Telecom Edge infrastructure reference architectures

- What should attendees expect to learn? (1000 chars)

The panel discussion will cover the charter and goals, details of the work effort to add an Edge component to the CNTT common reference language and architectures, and most importantly how vendors and service providers alike can contribute to and benefit from the project. The work is focused on using both OpenStack and Containers as Edge needs to incorporate both. There are both technical and organizational challenges to overcome such as:

- Who gets to set the definitions?
  - How does Edge fit into a set of requirements written for large Telecom data center installations?
  - How does a group of architects work without developers?
  - How can we get the project to move forward and get buy in from the developer and testing communities?
- Are you available to discuss the topic of this presentation with attending media? (Y)
- PLEASE PROVIDE ANY RELEVANT LINKS TO ADDITIONAL INFORMATION, SUCH AS CODE REPOSITORIES, CASE STUDIES, PAPERS, BLOG POSTS ETC. (UP TO 5 LINKS)

<https://github.com/cntt-n/CNTT/issues/1660>

<https://wiki.lfnetworking.org/display/LN/2020-07-28+-+%5BCNTT+EDGE%5D+-+Meeting+Agenda+and+Minutes>

## Example talk idea

- Presenter(s) (first one submits):
- Select the format (Presentation: Max Speakers 3 - Panel: Max Speakers 3, Max Moderators 1):
- What is the general topic of the presentation? (AI, Machine Learning, HPC; CI/CD; Container Infrastructure; 5G, NFV & Edge; Getting Started; Hands-on Workshops; Open Development; Private & Hybrid Cloud; Public Cloud; Security)
- Select the technical level of your presentation content (Beginner; Intermediate; Advanced; N/A)
- Abstract (1000 chars):
- Social Summary (100 chars):
- What should attendees expect to learn? (1000 chars)
- Are you available to discuss the topic of this presentation with attending media? (Y/N)
- PLEASE PROVIDE ANY RELEVANT LINKS TO ADDITIONAL INFORMATION, SUCH AS CODE REPOSITORIES, CASE STUDIES, PAPERS, BLOG POSTS ETC. (UP TO 5 LINKS)