

# Unconf Topic Proposals, Sept '19

## Overview

The Open Networking Summit - EU 2019 event offers two "un-conference" areas for topic discussions, small-team breakouts etc. We call this an "Unconference" because it's less about pre-conceived and pre-arranged formal presentations and instead allows for discussion topics of interest to "spring up" either closer to the event or at the event itself.

Availability of the Unconference sessions will be limited. While some topics may be hand selected (like a TAC meeting, if proposed for example), most will be scheduled at the event on first-come, first-serve basis. If you have a topic you'd like to discuss at ONS and don't already see it below, please consider adding it. If you do see a topic below that you would like to participate in, then please add your name to the list of potential attendees. We will use those lists to determine which topics get scheduled prior to the event.

This wiki should be freely available to edit. Please feel free to add your session. However, please do not delete or move someone else's session without their permission.

## Schedule

The current Un-conference Schedule can be found here: <https://wiki.lfnetworking.org/x/UgMiAQ>

Rooms are booked on a first-come, first-serve basis

If you wish to add a topic to the schedule, please post it below.

Unconference Rooms are located at **Flanders Convention Center: Gorilla 4 Gorilla 5**

## List of Proposed Topics

- **Short Description:** CNTT reference implementation and verification in OPNFV
- **Detailed Description:**
  - We will use this session to drive the detailed discussion of CNTT activities in OPNFV. Major topics can include as follows (you are also welcome to add more topics)
    - CNTT progress updates, especially focusing on OPNFV related activities
    - High level discussion on OPNFV planning to engage in CNTT effort and reveal CNTT requirements
    - OPNFV feature projects planning for support of CNTT reference models and architecture
    - OPNFV installer projects gap analysis (whether the current projects will support the reference architecture in a good way?)
    - OPNFV testing project gap analysis (whether the current test cases and framework will support the verification requirement from CNTT?)
    - Next step
- **Topic Leader:** Fu Qiao,
- **Estimated Audience Size (15-30):**
- **Interested In Attending:**
  - [Gergely Csatari](#)
  - [Christopher Price](#)
  - [sunku ranganath](#)
  - [Trevor Cooper](#)
  - [Lincoln Lavoie](#)
  - [Heather Kirksey](#)
  - [Rabi Abdel](#)
  - [Brandon Wick](#)
  - [Sukhdev Kapur](#)
  - [Tomi Juvonen](#)
  - [Weitao Gao](#)
  - [Pierre Bichon](#)
  - [Ildiko Vancsa](#)
  - [Sridhar Rao](#)
  - [Shiby Parayil](#)
  - [Pierre Lynch](#)
  - [Vipin Rathi](#)
  - [Herbert Damker](#)

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- **Short Description:** OPNFV Closed Loop Automation Working Group
  - **Detailed Description:**
    - This sessions would help members from OPNFV closed loop automation working group to collaborate on following:
      - What's working good so far
      - Topics and areas of interest that could be included as part of WG
      - Intersection with other projects like ONAP, etc.
      - On going demos and future demos of interest
      - TBA
  - **Topic Leader:** Sunku Ranganath, ...
  - **Estimated Audience Size : 5-10**
  - **Interested In Attending:** please add your names (& emails) to help build the schedule

- Sunku Ranganath, [sunku.ranganath@intel.com](mailto:sunku.ranganath@intel.com),
- [Tomofumi Hayashi](#)
- [Tomi Juvonen](#)
- [Toshiaki Takahashi](#)
- [Sukhdev Kapur](#)
- [Yuki Kasuya](#)
- [Chuanyu Chen](#)
- [Shiby Parayil](#)
- [Gervais-Martial Ngueko](#)
- [Tejas Nevrekar](#)
- [Christophe Closset](#)
- Some resources
  - WG wiki main page: <https://wiki.opnfv.org/pages/viewpage.action?spaceKey=CLAWG&title=Closed+Loop+Automation+Working+Group+Home>
  - Unconference page: <https://wiki.opnfv.org/display/CLAWG/ONS-EU+Unconference+Session>

- **Short Description:** Test frameworks and tools for CNTT
- **Detailed Description:** This is continuation of discussion started in CNTT F2F meeting in Paris on OPNFV test framework strategy for CNTT reference implementations and compliance program.
  - See related thread and this point made by [Georg Kunz](#)... we need a structured way of integrating, maintaining and running specific test cases across test tools. It must be simple to call specific test cases across all OPNFV test tools. This means that ideally the OPNFV test tools agree on a common way to do this. Potential ways:
    1. All tools integrate in Xtesting
    2. All tools agree on a common API callable from some other tool
    3. Something else?
- **Topic Leader:** Trevor Cooper
- **Estimated Audience Size:** 5-10
- **Interested In Attending:**
  - [Trevor Cooper](#)
  - [Gergely Csatari](#)
  - [Christopher Price](#)
  - [Lincoln Lavoie](#)
  - [Heather Kirksey](#)
  - [Rabi Abdel](#)
  - [Sukhdev Kapur](#)
  - [Weitao Gao](#)
  - [Pierre Bichon](#)
  - [Ildiko Vancsa](#)
  - [Sridhar Rao](#)
  - [François-Régis Menguy](#)
  - [Pierre Lynch](#)
  - [sunku ranganath](#)
  - [Shiby Parayil](#)
  - [Herbert Damker](#)
  - [Al Morton](#)

- **Short Description:** Discuss automation requirements for MEC during the whole life cycle of MEC application.
- **Detailed Description:** In this session, I will introduce the whole MEC system with 5G Core. Typically there will be a lot of facilities around MEC system. For instance, local DNS system, hardware or software firewall (if traffic from internet into MEC system, FW is needed). When application is on boarding in MEC system, openstack or kubernetes will allocate virtual machine and container for application automatically. But the application can't supply the service right now.
 

Automation requirements for MEC to speed up the service provision procedure:

  1. Set UPF rule automatically (traffic steering)
  2. Set FW rule automatically (traffic rule)
  3. Set DNS record automatically (DNS resolving)
  4. others...
- **Topic Leader:** Jia Xuan ([jiaxuan@chinamobile.com](mailto:jiaxuan@chinamobile.com))
- **Estimated Audience Size (5-10):**
- **Interested In Attending:** If you are interested in this discussion
  - Xuan
  - [Thoralf Czichy](#)
  - [Chuanyu Chen](#)
  - [Ildiko Vancsa](#)
  - [Tejas Nevrekar](#)

- **Short Description:** Discuss C-RAN/O-RAN requirement on cloud platform
- **Detailed Description:** O-RAN is the evaluation C-RAN network. It seeks to drive the decoupling of RAN software from the underlying hardware platform, which producing reference designs to allow commodity hardware platforms to be leveraged for all parts of a RAN deployment, including Centralized Unit, Distributed Unit, potential Mobile Edge Computing applications and Radio Intelligent Controller. This session will discuss :
  1. RAN virtualization research on accelerators

- 2. pico-stations virtualization with white box design RRU
  - 3. potential AI on RAN scenario and
  - 4. MEC on edge with RAN
  - **Topic Leader:** Weichen Ni ([niweichen@chinamobile.com](mailto:niweichen@chinamobile.com))
  - **Estimated Audience Size (5-10):**
  - **Interested In Attending:** If you are interested in this discussion
    - Weichen Ni
    - [Xuan Jia](#)
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- **Short Description:** LFN MAC Meeting
  - **Detailed Description:** The MAC will be holding a 90 minute workshop for MAC members. Time TBD.
  - **Topic Leader:** Brandon Wick ([bwick@linuxfoundation.org](mailto:bwick@linuxfoundation.org))
  - **Estimated Audience Size (5-10): 15**
  - **Interested In Attending:**
    - [Brandon Wick](#)
    - [Heather Kirksey](#)
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- **Short Description:** OPNFV Verification Program (OVP) Meeting
  - **Detailed Description:** This will be a 90 minute meeting focused on the work of OVP
  - **Topic Leader:** Brandon Wick ([bwick@linuxfoundation.org](mailto:bwick@linuxfoundation.org))
  - **Estimated Audience Size (5-10): 10**
  - **Interested In Attending:**
    - [Trevor Cooper](#)
    - [Lincoln Lavoie](#)
    - [Heather Kirksey](#)
    - [Rabi Abdel](#)
    - [Brandon Wick](#)
    - [Sukhdev Kapur](#)
    - [Weitao Gao](#)
    - [Pierre Lynch](#)
    - [Pierre Bichon](#)
    - [Shiby Parayil](#)
    - [Al Morton](#)
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- **Short Description:** Virtual Central Office Demo 3.0
  - **Detailed Description:** This will be a 90 minute workshop focused on VCO Demo Keynote Planning for KubeCon North America
  - **Topic Leader:** Brandon Wick ([bwick@linuxfoundation.org](mailto:bwick@linuxfoundation.org))
  - **Estimated Audience Size (5-10): 15**
  - **Interested In Attending:**
    - [sunku ranganath](#)
    - [Lincoln Lavoie](#)
    - [Brandon Wick](#)
    - [Heather Kirksey](#)
    - [Trevor Cooper](#)
    - [Rabi Abdel](#)
    - [Shiby Parayil](#)
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- **Short Description:** CNI Round Table
- **Detailed Description:**
  - Round Table discussion about CNI (mainly for networking plumbing).
  - Mainly focus on telco/NFV-ish area, but other areas also welcome.
  - For example:
    - Sharing experiments with CNI (e.g. multus or CNI reference plugins) and discuss missing requirements
    - What are the needs of Cloud Native VNF-s from networking?
    - Which CNI-s are fulfilling these requirements?
    - What is different and what is similar about the different CNI-s for telco workloads?
- **Topic Leader:** [Tomofumi Hayashi](#) , [Levente Kale](#), [Gergely Csatari](#)
- **Estimated Audience Size: 1-15**
- **Interested In Attending:**
  - [Yuki Kasuya](#)
  - [Tomofumi Hayashi](#)
  - [sunku ranganath](#)
  - [Douglas Smith](#)
  - [Pierre Bichon](#)
  - [Sridhar Rao](#)
  - [Ildiko Vancsa](#)
  - [David Perez Caparros](#)
  - [Shiby Parayil](#)
  - [Toshiaki Takahashi](#)
  - [Al Morton](#)

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- **Short Description:** A Look at OPX Architecture and Latest Release
  - **Detailed Description:** Open Switch is a project dedicated to making a solid Open Source option for a complete Network platform supporting the community and providing networking innovations. There is a focus on making a completely open source NOS providing a solid (Linux Based Package approach) allowing the installation of Open Switch on a Debian based platforms. In this demo/workshop we will go through the architecture and highlight multiple applications build with OPX, look at the latest release of OPX, and provide an opportunity to interact with OPX via VM. Come learn how you can integrate your white-box NOS solution with your upstream applications with ONAP, ODL etc..
  - **Topic Leader:** Joe Ghalam
  - **Estimated Audience Size (15-30):**
  - **Comments:** Requesting for a Monday time slot for this session due to travel restrictions.
  - **Interested In Attending:**
    - [Olivier Dugeon](#)
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- **Short Description:** CNTT and CNCF TUG Common API Framework
  - **Detailed Description:** In this session, I would like to invite people from the CNTT group and CNCF TUG group to come together to work on a Common API Framework so that we can have a common North and southbound APIs for both VNF/CNF vendors/users and NFVI vendors/users. The intent of this session will be have an open discussion to drive a consensus so that we can align on the API framework that would work for both VNFs as well CNFs (cloud native) so that we can implement the reference architecture as specified by CNTT group. This should allow the transition of VNFs to CNFs smooth. Additionally, this will help build validation framework that works for all types of workloads.
  - **Topic Leader:** [Sukhdev Kapur](#)(sukhdev@juniper.net)
  - **Estimated Audience Size (15-50):**
  - **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.
    - [Sukhdev Kapur](#)
    - [Gergely Csatari](#)
    - [Tomi Juvonen](#)
    - [Weitao Gao](#)
    - [sunku ranganath](#)
    - [Rabi Abdel](#)
    - [Trevor Cooper](#)
    - [Pierre Bichon](#)
    - [Taylor Carpenter](#)
    - [Dan Kohn](#)
    - [Pierre Lynch](#)
    - [Lucina Stricko](#)
    - [Ildiko Vancsa](#)
    - [David Perez Caparros](#)
    - [Shiby Parayil](#)
    - [Mark Shostak](#)
    - [Herbert Damker](#)
    - [Tejas Nevrekar](#)
    - [Al Morton](#)
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- **Short Description:** SNAS: real-time network routing monitoring and analytics
  - **Detailed Description:** The Streaming Network Analytics System (SNAS) is a framework to collect, track and analyze tens of millions of routing objects (routers, peers, prefixes) in real time. The SNAS framework has been re-architected over the last year in order to make it more modular and flexible. This session aims to introduce the new SNAS architecture and receive feedback as well as showcase some practical use cases, including a prototype deployment by RouteViews of the OpenBMP SNAS module.
  - **Topic Leader:** Alistair King (alistair@caida.org), Alberto Dainotti (alberto@caida.org).
  - **Estimated Audience Size (15-30):**
  - **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.
    - [sunku ranganath](#)
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- **Short Description:** Improving ONAP interoperability & Adoption with [API Fabric](#)
  - **Detailed Description:** This sessions will present a solution to simplify the consumption of APIs in ONAP and to expose operational APIs while improving interoperability with 3<sup>rd</sup> party systems. We will present how the API Fabric provides a simplified abstraction layer, exposing standard APIs, which improves the usability for end users and speeds up the productization of ONAP.  
  
The API fabric provides capabilities for onboarding new APIs, with plugins to convert to standard APIs, and provides complete API lifecycle management including subscription and transaction control & monitoring. The exposed manageable façade layer simplifies ONAP's consumable interface for operations, application development or business level monitoring, avoiding deep integration with individual ONAP components.
  - **Topic Leader:** [Davide Cherubini](#) , [Manoj Nair](#)
  - **Estimated Audience Size : 10-15**
  - **Interested In Attending:** please add your names (& emails) to help build the schedule
    - [David Perez Caparros](#)
    - [Shiby Parayil](#)
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- **Short Description:** Host maintenance with Fenix
  - **Detailed Description:** Fenix is an OpenStack project for managing host maintenance without service interruption. In the session we plan to show why Fenix is needed, what problems it solves, how it works and how is it aligned to ETSI NFV IFA FEAT03 work. <https://etherpad.opnfv.org/p/ONS-Ant2019-Fenix>
  - **Topic Leader:** [Tomi Juvonen](#) , [Gergely Csatari](#)
  - **Estimated Audience Size (1-15 / 15-30 / 30-50 / >50):** 1-15
  - **Interested In Attending:**
    - [Tomi Juvonen](#)
    - [Gergely Csatari](#)
    - [sunku ranganath](#)
    - [Ildiko Vancsa](#)
    - [Gervais-Martial Ngueko](#)
    - [Toshiaki Takahashi](#)
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- **Short Description:** Blockchain based Telecom Solutions (Hyperledger Telecom SIG)
  - **Detailed Description:**
    - The Hyperledger Telecom Special Interest Group is focused on technical and business-level conversations about appropriate use cases for blockchain technology in the Telecom industry. In this session we will show a new approach for Inter-Carrier Settlement and Service Level Agreement use cases on Hyperledger technology to make the process more efficient and cost effective for Telecom Operators.
  - **Topic Leader:** [Vipin Rathi](#) [Sunay Zelawat](#)
  - **Estimated Audience Size :** (10-20)
  - **Interested In Attending:** please add your names (& emails) to help build the schedule
  - [Shiby Parayil](#)
  - [Vipin Rathi](#)
  - [Sunay Zelawat](#)
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- **Short description:** ONAP EI Alto doc hackathon
  - **Detailed description:** Work session focusing on release related documentation. Similiar set up as we did for Dublin
  - **Topic Leader:** [Sofia Wallin](#)
  - **Estimated Audience Size:** Depending on interest. Since we want to schedule 2 sessions and we don't have that much time left before release I'd be happy to facilitate a session during the week of ONS if the community have the time and interest. Of course also with virtual participation.
  - **Interested in Attending:**
    - [Gergely Csatari](#) (depending on availability)
    - [Andreas Geissler](#)
    - [René ROBERT](#)
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- **Short Description:** A step towards validating ONAP Control Loops
  - **Detailed Description:** This is continuation of discussion started in DDF meeting in Sweden on ONAP Control loop validation.
    - As ONAP is currently implementing and improving the control loop framework (model driven control loops), we would like to propose a consistent validation of control loops by reusing existing mechanism, we would like to discuss the following topics :
    - try and validate control loops flow in an automated fashion, with the intention to serve multiple goals :
      - decouple control loop flows from instantiation flows in order to speed up validation.
      - lower the learning curve for people to understand control loops
      - identify quickly breaking changes that would hurt the control loop as a whole
      - create a framework to allow for proving control loop behavior
    - This session is an open discussion session
      - **Topic Leader:** [Gervais-Martial Ngueko](#) [Christophe Closset](#)
  - **Estimated Audience Size:** 5-10
  - **Interested In Attending:**
    - [sunku ranganath](#)
    - [David Perez Caparros](#)
    - [Shiby Parayil](#)
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- **Short Description:** Integration of VSPERF and DANM
  - **Detailed Description:** DANM is a CNI plugin designed for telco use cases. VSPERF is starting the work on container networking performance benchmarking and to cover the telco use cases the integration of DANM to VSPERF seems to be necessary. In this session we will discuss
    - Needed steps for the integration
    - What is needed from VSPERF
    - What is needed from DANM
  - **Topic Leader:** [Sridhar Rao](#), [Levente Kale](#), [Al Morton](#) , [Gergely Csatari](#)
  - **Estimated Audience Size:** 5-10
  - **Interested In Attending:**
    - [Pierre Lynch](#)
    - [Trevor Cooper](#)
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- **Short Description:** VNF Testing standardization under TMF API
  - **Detailed Description:** TMF test API team and ONAP VNF Test Platform (VTP) team has found synergy between their API specification and investigated the mapping between these API. This would help in bringing the standardization in VNF testing in ONAP. As part of this discussion, following topics will be covered:
    - Need for the VNF testing standardization
    - Mapping between VTP API and TMF test API specs
    - Future of this TMF API alignment
  - **Topic Leader:** [Kanagaraj Manickam](#)
  - **Estimated Audience Size:** 5-10
  - **Interested In Attending:**
    - [Shiby Parayil](#)
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- **Short Description:** EUAG meeting
  - **Detailed Description:** The LFN End User Advisory Group meeting
    - Topics include: CNTT topics, LFN project priorities
    - Consumption Model (ONAP) Discussion / White Paper Plan
    - CNTT Governance Facilitation
    - Any Other CSP / Cross CSP Theme EUAG Should Facilitate
    - EUAG CSP Priorities / Normalization
    - EUAG / Board Advisory - Communication Mechanism
    - EUAG - Rest of the teams - Communication Mechanism (Presentation)
    - Annual Plan for EUAG, Objectives / Deliverables and Timelines
  - **Topic Leader:** [Atul Purohit](#)
  - **Estimated Audience Size:** 30
  - **Interested In Attending:**
    - [Jim Baker](#)
    - [David Perez Caparros](#)
    - [Brian Freeman](#)
    - [@Mark Cottrell](#)
    - [Marc-Alexandre Choquette](#)
    - [Ryan Hallahan](#)
    - [Rabi Abdel](#)
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- **Short Description:** ONAP as a unified MEC-in-NFV Orchestrator
  - **Detailed Description:** In the latest ETSI MEC architecture [specification](#), there is a generic reference architecture and a MEC-in-NFV variant. We would like to discuss the MEC-in-NFV variant and the possibility of ONAP serving as the combined orchestrator (NFVO MEAO). Also, given the rich functionality of various ONAP controllers, we would like to discuss how ONAP could possibly interface with both external MEPM-V components or alternatively subsume this functionality within ONAP. This is quite similar to how ONAP deals with VNFMs — they can be external or internal. There is no pre-planned agenda, and we would like to have an open discussion on this topic.
  - **Topic Leader:** [Sriram Rupanagunta](#)
  - **Estimated Audience Size:** 5-10
  - **Interested In Attending:** [Thoralf Czichy](#)
  - [Shiby Parayil](#)
  - [Tejas Nevrekar](#)
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- **Short Description:** ONAP and Cisco NSO Integration
  - **Detailed Description:** IP/MPLS backbones have many automation scenarios based on configuration changes. This presentation shows (1) how an external configuration management tool can easily be integrated to ONAP thanks to standard interfaces and (2) how ONAP, thanks to powerful modelling tools and a distribution of orchestration functions into several components, can help to add business and operations oriented facets to a complex multi-sided automation process. A particular focus will be made on the repartition of the automation between Cisco NSO tool, SDN-C DigiGraph and Service Orchestration in order to ease the life of operational entities, re-use elementary network automation scenario in order to compose complex automation scenario. A demonstration will complete this presentation.
  - **Topic Leader:** [Olivier Dugeon](#) [Olivier Augizeau](#)
  - **Estimated Audience Size:** 5-10
  - **Interested In Attending:**
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- **Short Description:** ONAP SDC enhancements to support OVP
- **Detailed Description:** A set of enhancements to the SCP project are being proposed, that will allow users onboarding a VNF to directly access the testing required as part of the OVP programs. This would provide a "point / click" experience for users testing VNF product(s). Further additions are also proposed to enable the SDC portal to directly query information about previously tested products listed on the LFN OVP portals (<https://vnf-verified.lfnetworking.org/#/>). Initial material has been discussed within the [CVC](#) and this discussion is intended to continue those conversations as well as formulate a work plan for the Frankfurt release of ONAP.
- **Topic Leader:** [Shiby Parayil](#)
- **Estimated Audience Size:** 10-15
- **Interested In Attending:**
  - [Ryan Hallahan](#)
  - [Heather Kirksey](#)

- [Rabi Abdel](#)
  - [Lincoln Lavoie](#)
  - [Jim Baker](#)
  - [Gervais-Martial Ngueko](#)
  - [Christophe Closset](#)
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- **Short Description:** An introduction of open source network project Mizar and further discussion
  - **Detailed Description:** In this session, we would like to introduce our new open source network project Mizar, an eBPF and Geneve protocol based cloud network data plane that can scale to manage the communication and routing of hundreds of thousands of dynamic network end points among VPCs and subnets. The goal of this project is to address the following current cloud related challenges:
    - Unify the network data-plane for containers, serverless functions, virtual machines, etc.
    - Support provisioning and management of large number of endpoints
    - Accelerate network resource provisioning for dynamic cloud environment
    - Achieve high network throughput and low latency
    - Create an extensible cloud-network of pluggable network functionsThis session starts with a brief introduction and follows with an open discussion for suggestions of our project.
  - **Topic Leader:** [Yin Ding](#), [Ying Xiong](#)([ying.xiong@futurewei.com](mailto:ying.xiong@futurewei.com))
  - **Estimated Audience Size (1-15):**
  - **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.
    - [Tejas Nevrekar](#)
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- **Short Description:** OPNFV TSC face-to-face meeting
- **Detailed Description:**
  - Regular meeting of the OPNFV TSC
  - 3 p.m. CET, Sept 24
  - Usual Zoom bridge will be in operation for remote members
- **Topic Leader:** [Jim Baker](#), [Bin Hu](#), [David McBride](#)
- **Estimated Audience Size : 5-10**
- **Interested In Attending:**
  - [David McBride](#)
  - [Trevor Cooper](#)
  - [Al Morton](#)