Call for OPNFV Plugfest Topics

All proposed topics have been assigned a time in the master agenda. If you add a topic to the list below, please also schedule it by adding it to the schedule.

Plugfest planners are requesting more of a focus on developer engagement and less on content presentation. Consequently, proposals that are development oriented are more likely to be selected for the Prague OPNFV Plugfest. We are expecting to select between 4 and 5 plugfest topics / tracks. These tracks will run throughout the week, with the goal to deliver the outcome described in the proposed. The event will wrap up, with each track providing a 10 minute update the event closing plenary on Thursday.

For Plugfest challenges, state the hacking challenge and include the technologies of interest so that developers can self-identify if they have the skills for the challenge.

Topics

<Sample Topic>

- **Short Description**: One line description of topic
- **Detailed Description**: Detailed description of topic
- **Topic Leader**: name 1, name 2, ...
- **Estimated Audience 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.

CI/CD Evolution

- **Short Description**: Collect requirements, discuss, and hopefully reach a consensus (to propose to the TSC) on which CI system OPNFV might (or not) transition to.
- **Detailed Description**: The CI/CD landscape has change dramatically over the last few years and opened the door to new services that are easier to understand, quicker to setup, and provide greater insight into project CI/CD. The OPNFV community has taken some time to investigate these new tools and determine if our requirements (e.g. Connecting hardware) for CI can be met (or not) by them. We should discuss these finding and weight the cost of transitioning (time, effort, etc) vs. the benefits of staying where we're at. The goal of this track is to reach a consensus, coupled with a document explaining how that consensus was reached (research findings, costs, etc.), to present to the OPNFV TSC for approval. If the consensus is to move, then additionally a draft migration plan should be created to outline the decencies required in moving.
- **Topic Leader**: Trevor Bramwell
- **Estimated Audience Size (1-15 / 15-30 / 30-50 / >50):** 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.
    - <your name here>
- priority:
- time: 45

Pharos 2.0

- **Short Description**: Discuss how the Pharos project can evolve with new OPNFV installer (Airship) and CIRV (CNTT) influences.
- **Detailed Description**: Discussion topics include
    - Pharos Specification, POD Descriptor File (PDF), Scenario Descriptor File (SDF) and Community Labs
- **Topic Leader**: Jack Morgan
- **Estimated Audience Size (1-15 / 15-30 / 30-50 / >50): TBD**

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.

- Daniel Balsiger
- David McBride
- Time: 45
- REMOTE DISCUSSION

OVP VNF Hacking Track

- **Short Description**: Provide a collaborative and safe environment for VNF vendors to try out ONAP/OPNFV interop via OVP and other tooling. VNF participants completing full passing runs will be able to submit the results to the OVP portal, to have their product listed with the VNF badge.
- **Detailed Description**: Hands-on testing topics include the following. Get more information here.
  - Compliance testing (via OVP tooling)
  - Validation testing (via OVP beta tooling)
  - Additional LCM testing (ad-hoc tooling/GUI)
  - Additional monitoring testing (ad-hoc tooling/GUI)

As part of this track, labs are being organized to host existing instances of the ONAP El Alto release (first release with validation tests cases included) to support the testing efforts. We will have experts and test developers participating in the track, to assist with debugging issues and to answer questions about the requirements or test results. If time permits and resources are available, VNF participants will be able to try out more advanced cases on the ONAP infrastructure, such as VNF configuration, scale-out / scale-in, etc.

Note: even though the session is optimized for VNF vendors, PNF/CNF vendors are welcome

- **Topic Leaders: Amar Kapadia Lincoln Lavoie Rabi Abdel Pierre Lynch**
- **Estimated Audience Size (1-15 / 15-30 / 30-50 / >50): 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.
  - David McBride
  - Catherine Lefevre
- Time: 4 days

Intern Project Hacking/Presentation

- **Short Description**: VSPERF's IRUYA Intern on Container deployment and performance measurement of networking alternatives.
- **Detailed Description**: See OPNFV VSPERF Wiki Intern Project page This proposed work allows for some additional Hacking on the Intern Project, development of the presentation (and maybe a demo) with the Mentors, and a slot for the presentation itself (not too early in the week, so that all the preceding can be accomplished).
- **Topic Leader**: Sridhar Rao Al Morton Alex Germain(Intern)
- **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. >>> We usually try to schedule a slot where much of the OPNFV Community can attend. With one Intern this should be about 30 minutes. <<<
- Time: 45

Release Plan Evolution

- **Short Description**: Discuss and refine the current release plan proposal
- **Detailed Description**: A new release plan was requested by the TSC nearly two years ago. A release plan proposal has slowly taken shape since the TSC request; however, it's yet to be implemented. This meeting will seek to further refine the plan, taking into account new projects, such as CNTT-RI and the new Airship installer.
- **Topic Leader**: David McBride
- **Estimated Audience Size (1-15 / 15-30 / 30-50 / >50): 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.
- Time: 45

Manifest Validation

- **Short Description**: create automated means to do a manifest validation / or audit of actual delivery and installation of the OpenStack deployment
- **Detailed Description:** *TBD*
- **Submitted by:** Michael Fix (AT&T)
- **Challenge Leader(s):** *name 1, name 2, ...(LOOKING FOR VOLUNTEER(s) TO LEAD THIS)*
- **Estimated Audience Size (1-15 / 15-30 / 30-50 / >50):** TBD
- **Skills:** Meta-Data file interpretation (PDF/SDF/IDF), knows way around a command-line, system admin for data comparison between systems
- **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.
  - Daniel Balsiger
- Time: 45

Hardware Delivery Validation

- **Short Description**: create pre-software deployment bare-metal configuration validation
- **Detailed Description:** *Reference Implementation cookbook preliminary step for basic lab configuration BEFORE SW deployment (eg.IPMI)*

- **Submitted by:** Michael Fix (AT&T)
- **Challenge Leader(s):** *name 1, name 2, ...(LOOKING FOR VOLUNTEER(s) TO LEAD THIS)*
- **Estimated Audience Size (1-15 / 15-30 / 30-50 / >50):** TBD
- **Skills:** OS system navigation, BIOS settings, low-level hardware configuration, etc
- **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.
    - Daniel Balsiger
    - Vaibhav Chopra
- Time: 45

VNF Family Prototype

- **Short Description**: create a prototype 'Golden VNF' to demonstrate and baseline capabilities and services for a VNF Family
- **Detailed Description:** *Create a process for a prototype/template - brain-storm/development focus*
- **Submitted by:** Michael Fix (AT&T)
- **Challenge Leader(s):** *name 1, name 2, ...(LOOKING FOR VOLUNTEER(s) TO LEAD THIS)*
- **Estimated Audience Size (1-15 / 15-30 / 30-50 / >50):** TBD
- **Skills:** IDE tools and capabilities, Interpret YAML files, VF design artifacts, translation of NFVI and VNF standard requirements
- **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.
- **Notes:** proposed by Trevor Cooper to edit description create a prototype 'Golden VNF' to demonstrate and baseline capabilities and services of NFVi for a VNF Family
- Time: 45
- OPNFV/OVP

Airship Installation

- **Short Description**: create a tool to take a PDF/SDF/IDF and render as files consumable by Airship (aka Manifests)
- **Detailed Description:**
- **Challenge Leader(s):** Mark Shostak
- **Estimated Audience Size (1-15 / 15-30 / 30-50 / >50):** 1-15
- **Skills:** *YAML, Python et al, Meta-Data Translations*
- **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.
    - Daniel Balsiger
- Time: 45

Outline (K8s) RA2 from pre-built RI1

- **Short Description**: create the outlines of a Kubernetes Reference Implementation (based on RA2) using a pre-built RA1-compliant OpenStack Reference Implementation
- **Detailed Description:** *TBD*
- **Challenge Leader(s):** *user-0322e*
- **Estimated Audience Size (1-15 / 15-30 / 30-50 / >50):** TBD
- **Skills:** *TBD*
- **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.
- prioirty: L
- CNTT

How/where packet.net fits within CNTT

- **Short Description**: discuss how packet.net fit within CNTT K8s RA
- **Detailed Description: TBD**
- **Challenge Leader(s):** *user-0322e*
- **Estimated Audience Size (1-15 / 15-30 / 30-50 / >50):** TBD

- **Skills:** *TBD*
- **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.
- priority: H
- CNTT only

How/where AWS fit within CNTT

- **Short Description**: discuss how AWS fit within CNTT K8s RA
- **Detailed Description: TBD**
- **Challenge Leader(s):** *user-0322e*
- **Estimated Audience Size (1-15 / 15-30 / 30-50 / >50):** TBD
- **Skills:** *TBD*
- **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.
- priority: H
- CNTT only

Joint Exercise CNTT/OPNFV for Kubernetes

- **Short Description**: Take OPNFV phase 2 to take the Kubernetes RA2 through RI into certification of a CNF on a Kubernetes platform conforming with RA2
- **Detailed Description: TBD**
- **Challenge Leader(s):** *user-0322e, Rabi Abdel*
- **Estimated Audience Size (1-15 / 15-30 / 30-50 / >50):** TBD
- **Skills:** *TBD*
- **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.
- Vaibhav Chopra
- OPNFV/CNTT - may be replaced by CNTT RI2/RA2 discussions

Testing NFVi compliance of CNTT requirements (performance testing)

- **Short Description**: Demonstrate a prototype of automation tools to test if NFVi complies with CNTT requirements starting with data-path performance
- **Detailed Description:** Proposed by Trevor Cooper . This hack challenge will use PoC work in "POD10" as a baseline and aims to engage developers interested in contributing to this category of CNTT work
- **Challenge Leader(s):** *Trevor Cooper, Luc Provoost, Petar Torre, Sridhar Rao, Al Morton, ...*
- **Estimated Audience Size (1-15 / 15-30 / 30-50 / >50):** TBD
- **Skills:** *TBD*
- **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.
    - Daniel Balsiger
    - Vaibhav Chopra
- Time: 45
- OPNFV/CNTT

Deploy your complete continuous integration toolchain for IaaS verification and/or CNTT Compliance in a few commands

- **Short Description**: Demo and discussion of CI
- **Detailed Description**:

- **Topic Leader**: Cedric Ollivier
- **Estimated Audience Size (1-15 / 15-30 / 30-50 / >50):** TBD
- **Skills:** *TBD*
- **Interested In Attending**:
- Vaibhav Chopra
- Priority:
- Time: 45

Functest Jerma, more than ever a collection of state-of-the-art virtual infrastructure test suites

- **Short Description**: Functest is more than ever a collection of state-of-the-art virtual infrastructure test suites
- **Detailed Description**: Functest Jerma conforms with the latest OpenStack and Kubernetes releases and expands once again the testing coverage (.i.e. Load Balancer testing). It's is more than ever a collection of state-of-the-art virtual infrastructure test suites, including automatic VNF testing. And Functest team is now focusing on the compliance expected by CNTT (Common NFVI Telco Task Force) https://lists.opnfv.org/g/opnfv-tsc/message/5636

- **Topic Leader**: Cedric Ollivier
- **Estimated Audience Size (1-15 / 15-30 / 30-50 / >50):** TBD
- **Skills:** *TBD*
- **Interested In Attending**:
- Vaibhav Chopra
- Priority:
- Time: 45

Cross-Open Source Roadmap

- **Short Description**: Develop a Strategic Roadmap across LFN open source initiatives
- **Detailed Description**: Gather any 2020 requirement from other open source communities (OPNFV, OVP, CNTT, CVC, Acumos, Akraino, etc) that should be considered as part of the ONAP Guilin Release and beyond
- **Topic Leader**: Catherine Lefevre
- **Estimated Audience Size (1-15 / 15-30 / 30-50 / >50):** 30-50
- **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.
- Time: 1.5hr
- OPNFV/ONAP/CNTT joint session

OVP automation augmentation to support both NFVI and VNF testing and certification

- **Short Description**: Explore requirements of OVP testing automation , discuss the architecture design, gap analysis, show a demo and open discussion on collabioration
- **Detailed Description**: Discuss how to leverage open source project to accelerate OVP testing and implement automatic testing, meanwile identify the gaps and discuss how to make up the gaps and work together to build the open verification and certification test platform
- **Topic Leader**: Lingli Deng Yan Yang
- **Estimated Audience Size (1-15 / 15-30 / 30-50 / >50):** 20-50
- **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.
- Vaibhav Chopra
- Time: 45 min
- OPNFV/CNTT joint session

OPNFV TSC 2.0

- **Short Description**: Before the 2020 election cycle, review the TSC composition and candidate qualification rules
- **Detailed Description**: Host a discussion with the goal of creating a proposal for consideration by the OPNFV TSC of topics including: number of TSC members, candidate qualification rules, operational aspects of the TSC, any changes to the process of OPNFV execution.
- **Topic Leader**: Jim Baker
- **Estimated Audience Size (1-15 / 15-30 / 30-50 / >50):** 10-20
- **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.
  - Mark Beierl
  - Cedric Ollivier
  - Al Morton
  - Qiao Fu
  - Sridhar Rao
  - Trevor Cooper

LFN Documentation Strategy

- **Short Description**: How to work with documentation within LFN.
- **Detailed Description**: Our goal is to have one common way how we work with and build documentation within LFN. To reduce support and facilitate new projects joining.
- **Topic Leader**: Sofia Wallin Rudy Grigar Trevor Bramwell
- **Estimated Audience Size (1-15 / 15-30 / 30-50 / >50): 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.

OVP Phase 2 Brain-storm

- **Short Description**: Define a task force and set of deliverables to begin the OVP p2 process
- **NOTE: Merged this topic with another OVP phase 2 discussion**

VMware Integrated OpenStack Reference Implementation

- **Short Description**: Discuss and plan implementation of VIO as a CNTT RI
- **Detailed Description**: VIO is a VMware supported OpenStack distribution that provides standard, OpenStack API access. With VIO conforming to the OpenStack API set and passing the same suite of Rally and Tempest tests, it is time to look at providing a VIO based reference implementation. This session is to discuss the details of how VIO conforms to the CNTT RM, Openstack RA and provides a second OpenStack RI for CNTT. Possibilities include launching an OPNFV project to track progress.
- **Topic Leader**: Mark Beierl
- **Estimated Audience Size (1-15 / 15-30 / 30-50 / >50): 1-15**

Hardware Acceleration Solution and gap analysis with CNTT

- **Short Description**: Hareware Acceleration Solution and gap anaylisis with CNTT. Discuss and gather hardware acceleration requirements for OPNFV and CNTT.
- **Detailed Description**:Descripiton hardware acceleration requirements and Solution ,and analyzes what sholud be contributed to CNTTwork. Gather any 2020 requirement from open source communities that should be considered as part of the CNTT Release and beyond
- **Topic Leader**: shasha guo Ying Li
- **Estimated Audience Size (1-15 / 15-30 / 30-50 / >50)**: 1-15
- **Priority**:
- **Time**: 30min
- OPNFV/CNTT

NFVI Reference Architecture and Implementation for Edge Computing

- **Short Description**: discuss NFVI reference architecture and implementation for edge computing
- **Detailed Description:** Edge DCs, especially district-level edge DCs, have scattered locations and poorer machine room conditions. Thus the management of edge computing should have some features, such as lightweight management system, remote access and etc. This session will discuss the features of edge NFVI and provides RA/RI for CNTT.
- **Topic Leader**: Ying Li shasha guo
- **Estimated Audience Size (1-15 / 15-30 / 30-50 / >50)**: 1-15
- **Time**: 30min
- OPNFV/CNTT