

Plugfest Planning Page

This Page is now closed to new topics and the schedule is posted [here](#).

(please let [Ray Paik](#) to if you want to add a new topic to the schedule)

Topics	Time budget (e.g. x hours)	Participants	Notes	HW resource plan /requirement
Best Practices/Use cases/Demos				
OPNFV Deploy & Test: Apex	2 hrs.	Dan Radez	Targeted for newcomers to OPNFV	Lenovo pod
OPNFV Deploy & Test: Compass	2 hrs.	Justin chi		
OPNFV Deploy & Test: Daisy	2 hrs.	Julien		
OPNFV Deploy & Test: Fuel	2 hrs.	Cristina Pauna Guillermo Herrero		ENE A Pharos pod
OPNFV Deploy & Test: JOID	2 hrs.	Narinder Gupta		Lenovo pod
Telco host scheduled maintenance	1.5 hours	Tomi Juvonen Yujun Zhang	POC demo and discussion about the use case and approach. <ul style="list-style-type: none">• Infrastructure maintenance• Host upgrade• Application upgrade• Hybrid cloud support• Application and cloud infra SW awareness about maintenance More in Doctor hackfest session. Session is based on this: Telco Planned Host Maintenance	N/A (remote /video)
Best practices of Compass4nfv: The construction of Windriver NFVI using Compass in Chinamobile	1hr	Xu Wang Dave Urschatz Eric van Vliet Eddy Raineri	Automatic installation of Openstack using Compass in China Mobile	
Best practices of Daisy4nfv: The construction of TECS (ZTE) NFVI using Daisy in Chinamobile	1 hr	Xu Wang	Automatic installation of Openstack using Daisy in China Mobile	
Automatic Integration and Testing System based on both Opensource and Standardization in China Mobile	1 hr	Yamei Fan Qiao Fu Ross Brattain Eddy Raineri Emma Foley	China Mobile's view on automatic integration and testing Show automation system demo	
Multi-Access Edge (Edge) project / OPNFV community demo 2.0	2 hrs	Trevor Cooper Eric van Vliet Gurpreet Singh Eddy Raineri	Multi-Access Edge	
Upstream				
k8s in OPNFV	2 hrs.	Narinder Gupta Yujun Zhang Victor Morales	<ul style="list-style-type: none">• K8s scenarios deployment using JOID.• K8s for docker based VNF.• Why K8s?	Intel Pod.

ODL Container Orchestration Engine Integration upstreaming to OPNFV	3 hours	Tim Rozet Dan Radez Prem Sankar	<ul style="list-style-type: none"> • Kuryr ODL integration (AIO and Multinode) • COE Baremetal integration and testing 	
ONAP integration	3 hrs	Tina Tsou Trevor Cooper Dave Urschatz David Blaisonneau Michael O'Brien Fatih Degirmenci Eddie Arrage Victor Morales	ONAP deploy with xCI Discussion <ul style="list-style-type: none"> • deployment alternatives and strategies (Heat vs k8s) • k8s deploy alternatives • talks about CI frontiers with ONAP community Test deployment <ul style="list-style-type: none"> • Get David's work running on CENGN vPOD (Possibly ongoing over plugfest) Auto Lab Deployment as part of xCI 2018-05 PlugFest	CENGN vPOD (remote) Orange vPODs (remote - ssh)
Testing				
ETSI Plugtest in Jan and following co-hosted Plugtest/Plugfest	2 hrs	Trevor Cooper Tim Irnich Dave Urschatz Eric van Vliet Eddy Raineri Eddie Arrage		
CVP and Dovetail	3 hrs	Trevor Cooper Wenjing Chu Georg Kunz Dave Urschatz Eric van Vliet Serena Feng Eddie Arrage Eddy Raineri	<ul style="list-style-type: none"> ▪ tutorial and review of the 1st release ▪ planning of 2nd (E) and third (F) releases, and roadmap ▪ Tuesday please. 	NA
Stress testing	3 hrs	Trevor Cooper Georg Kunz Yang (Gabriel) Yu Dave Urschatz Ross Brattain Eddy Raineri Gurpreet Singh Eddie Arrage Emma Foley	<ul style="list-style-type: none"> • E release activities <ul style="list-style-type: none"> • Life-cycle data-plane testing • VNF Scaling up/out testing • Monitoring stress testing • https://etherpad.opnfv.org/p/testing_group_plugfest_4 • F release strategy <ul style="list-style-type: none"> • Test cases • Long duration test 	

VNF/NFVi characterization w/ Yardstick	3 hrs	Ross Brattain Yang (Gabriel) Yu Dave Urschatz Eric van Vliet Gurpreet Singh Eddie Arrage Emma Foley	enabling new testcases, CGNAPT, vFW RFC2544 with Ixia/Trex with installers. VNF Scaling tests Testing new VNFs with Yardstick VNF basic testing for Onboarding	
Installer External /Provider networks for testing VNFs with HW traffic generators	1 hr.	Ross Brattain Dave Urschatz Eddie Arrage Alec Hothan Emma Foley	Installer support for VNF characterization Connecting external traffic generators to OpenStack Adding external traffic generators to scenarios	
Robustness testing	1hrs	Georg Kunz Dave Urschatz Trevor Cooper Eddie Arrage Shreya Pandita Shishir Mishra	<ul style="list-style-type: none"> extending the test scope to node-level failures: controller, compute, (switches) potential joint activities with OpenStack QA generalizing the framework for handling containerized and non-containerized control processes <p><i>not on Friday, please</i></p>	
Benchmarking as a Service for OPNFV community	2hrs	Yujun Zhang Trevor Cooper Ross Brattain Gurpreet Singh Eddie Arrage Alec Hothan	<ul style="list-style-type: none"> purpose how to achieve what to do in Fraser release 	
Traffic-Generator As A Service (TGAAS) – develop common methods and tools for use in performance testing projects.	2hrs	Ross Brattain Trevor Cooper Shreya Pandita Shishir Mishra Alec Hothan Eddie Arrage Emma Foley	We would like to reuse, merge and extend existing TG methods across performance testing projects. We would also like to explore creating a new project for Traffic Generators which is an important and complex topic. Our proposed first step is to identify abstraction differences between Yardstick and VSPerf.	
Testing Priorities in F release	3hrs	Yang (Gabriel) Yu Eddie Arrage	Landing page for unified entrance of testing resources Long duration testing ...	
NFVBench and VSPERF collaboration	1hrs	Trevor Cooper Alec Hothan Eddie Arrage	VSPERF and NFVBench would like to explore areas for collaboration. Other performance testing projects are encouraged to join this session to brainstorm strategies for leveraging existing and new work planned for Fraser	
VSPERF collaboration activities	2 hrs	Sridhar Rao Trevor Cooper Eddie Arrage	VSPERF has a Plugfest planning page https://etherpad.opnfv.org/p/Plugfest-Euphrates-VSPERF Required slots <ul style="list-style-type: none"> 1hr on Thursday for presentation and demo of noisy neighbor mitigation 1hr for discussion with NFVbench 	

Data Plane Performance Benchmarking in production pods with NFVbench	1 hr	Alec Hothan Yichen Wang Eddie Arrage	<p>In this session we will discuss about NFVi production deployments and challenges related to benchmarking the data plane of an NFVi pod in production conditions.</p> <p>NFVbench has been released for the first time with euphrates. We will see how it complements other OPNFV data plane benchmarking projects (VSPerf, VNFSample) and go through all the features that are available today.</p> <p>We will do a live demo of NFVbench running on one of the OPNFV pod.</p> <p>This session will be interesting for operators and for OPNFV projects that want to include NFVi full system testing on data plane (e.g. CVP, Dovetail, ONAP...).</p> <p>Preferred time slot: anytime on Wednesday or Thursday</p>	
High availability testing cases discussion	1 hr	Fu Qiao Kubi Gao Georg Kunz Yamei Fan Wangxu	<p>HA test cases planning for F release and future releases. We will update with the community about the recent progress of the HA testcases, and have a discussion about future test cases that we proposed.</p>	
Infra				
Release Automation	1 hour	Trevor Bramwell	<ul style="list-style-type: none"> Review current release process & identify problem areas Discuss ways to automate and improve our processes 	
Docker Infrastructure & Builds	2 hour	Trevor Bramwell	<ul style="list-style-type: none"> Review current infrastructure & build process Discuss flexibility, verification feedback, and versioning 	
Scenario documentation	1h	Tim Irnich Sofia Wallin	<p>Review of the requirements. Discussion on how we document, store and work with the scenario descriptions.</p>	
XCI	3h	Fatih Degirmenci Yang (Gabriel) Yu Dave Urschatz David Blaisonneau Yujun Zhang Victor Morales	<p>Current status, what's next, establishing pipelines for Test (and other) OPNFV Projects, which other communities we are reaching out.</p> <p>CI pipeline for long duration test</p> <p>More details TBD</p>	
Experiences and thoughts on PDF/IDF and way forward with SDF	2h	Fatih Degirmenci David Blaisonneau	<p>Session to have conversation around PDF/IDF so the people who worked with them can share their experiences with others. Relation of SDF can be part of the conversation.</p> <p>Please note that this is not a planning or endless conversation session like the ones we had before. We are in a state that majority of the installers already adapted PDF/IDF and it is already happening. Apart from that, we seriously need to finalize the official template as it is a requirement for LaaS/other Infra Initiatives and PDF/IDF will be prerequisite for Installers to benefit from LaaS.</p>	
Using OpenStack Kolla containers for XCI	1h (before Thursday PM)	Randy Levensalor Steven Pisarski Jack Morgan Fatih Degirmenci Victor Morales Maciej Skrocki	<p>The XCI project currently tests upstream OpenStack using PackStack off of master and tests the test projects. Adding a stable version of Kolla to test the test tools could ease the RCA of failures in the test tools.</p>	

Testing hardware /software interactions brainstorming (testing /infra cross-topic)	1h	Tim Irnich	We are missing a way to create tests of the OPNFV software platform with the Pharos lab hardware without making tests lab-specific, which would limit usability of such tests and be in conflict with the concept of dynamic CI. Examples are some of the currently considered high-availability test cases that target e.g. switching fabric failure conditions, configuration of L2GW HW-VTEP on ToR switches, SMartNIC integration testing, DC-GW integration testing etc. We will discuss how to address this through a set of coordinated actions towards Pharos spec, test frameworks, infra/releng, and PDF.	
Project team hacking/discussions				
Doctor Hackfest	1 hrs x2	Ryota Mibu Tomi Juvonen	Doctor Hackfest Sessions: <ul style="list-style-type: none"> • Testing • Maintenance Upstreaming 	-
Clover (Cloud native NFV)	1 hour	Wenjing Chu Trevor Cooper Dave Urschatz Ross Brattain Eddie Arrage Shreya Pandita Shishir Mishra Yujun Zhang	Tuesday	NA
SNAPS-OO E enhancements F planning	2 hrs (not on Friday)	Steve Pisarski	Overview of the latest features added to SNAPS-OO during E and F feature planning. This could be split into two separate sessions	NA
Yardstick F-release planning	2hrs	Ross Brattain Eddie Arrage Emma Foley		
Bottlenecks Load Manager Discussion	1 hour	Yang (Gabriel) Yu	Registration center, service discovery, API category, job scheduler, monitoring and analytic results/visualization	
Daisy F-release planning	1 hour	zhou ya		
OPNFV Docs Hacking	2hrs	Sofia Wallin Trevor Bramwell Yujun Zhang	<ul style="list-style-type: none"> • Updating the Docs infrastructure • Process improvement feedback • Discuss F release documentation structure • Write ALL the docs! 	
Kolla's Openstack, ODL, OVS-DPDK containers for XCI	1 hour	Manjunath Ranganathaiah Victor Morales Jatinder Pancar Robert Armstrong	Moving to stable/latest using kolla built containers	
Masakari integration into OPNFV releases – discussion with XCI & compass projects	1 hour	Fu qiao Chi Gang Wang xu Xue Yifei Wu tianwei	The HA project is working with the openstack masakari project to integrate the proposed HA API into Queen release. We would like to organize a joint discussion with the Compass team and XCI team to see if we can integrate the masakari project in F release.	
Community				
Fraser release overview	2 hours	Tim Irnich	Wrap up and present the Fraser release overview	
Improving OPNFV user support	2 hours	Tim Irnich Sofia Wallin	What can we do to improve usability of our release artifacts - explain our release artifacts better, download page improvements, other resources, linking, documentation quality and structure, how does the dev community support users, etc.	

Scenario consolidation - how to make it happen?	2 hours	Tim Irnich	Reviving the scenario consolidation discussion, cf. the presentation from Beijing summit. Target is to drive specific features into the more "generic" scenarios in order to foster cross /feature integration and achieve a richer set of functionality users have available after installation of a given scenario.	
Euphrates Retrospective	2 hours	David McBride	Wrap up discussion of went well and what could be improved, based on our collective experience during the Euphrates release cycle.	
Project releases outside of the standard OPNFV release cycle.	1 hour	David McBride	Some projects, such as NFVBench would like to have releases outside of the standard release cycle. Let's discuss additional release models that would accommodate this.	
Installer topics	1 hour	David McBride Tim Irnich	Discuss issues related to installers. In particular, can we improve how we work with upstream components (i.e., fixed tags vs. tip of branch)	
TSC Composition	2 hours	Ray Paik Tim Irnich	Discussion on merit-based TSC composition for OPNFV	

[See the Schedule Page](#)