

OPNFV project setup and general information

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Project Setup

Setup your Linux Foundation account

- The very first thing you need to do is create a Linux Foundation account that you will use for all the tools provided by the Linux Foundation. You also need this account to contribute to OPNFV projects.
- Creating a Linux Foundation account:
<https://identity.linuxfoundation.org/user/>
- Contributors have to sign the contributor agreement and LF needs to add them to the project. Add your contributor agreement at <https://gerrit.opnfv.org/gerrit/#/settings/agreements> and ask LF via opnfv-helpdesk@rt.linuxfoundation.org to be added to the project.

Git and Gerrit

- Email opnfv-helpdesk@rt.linuxfoundation.org and make sure that the repository for your project is setup.
- Ask the help desk to also push the LICENSE file and the INFO file with all the committers names are pushed to gerrit. – note: your wiki page will pull info from the INFO file, provide the list of committers in your email to the helpdesk.
- **Bonus** ask the Linux foundation to give the project committers and contributors the correct gerrit permissions.
- Make sure you detail the project alias that will be used to identify your project in gerrit [open_vswitch_for_nfv] might be too long.
- Also ask opnfv-helpdesk@rt.linuxfoundation.org to make your email topic tag your project alias.

Wiki Page

- Main wiki page:
<https://wiki.opnfv.org/>
- Setup your project wiki and make sure that the main wiki page points to it under approved OPNFV projects
- Easiest way to do this is to add your page to the table, save your changes (it will appear in red – then click on it and create the page).

Approved OPNFV Projects

(See the project wiki page template)

Requirements	Integration & Testing	Collaborative Development	Documentation
Fault Management (Doctor)	Continuous Integration (Octopus)	Software Fastpath Service Quality Metrics	OPNFV Documentation
Virtualized Infrastructure Deployment Policies (Copper)	Bootstrap/Get-started (BGS)	ONOS Framework (ONOSFW)	
Resource Management (Promise)	IPv6-enabled OPNFV	Moon Security Management Module	
High Availability for OPNFV (Availability)	Characterize vSwitch Performance for Telco NFV Use Cases	Service Function Chaining (sfc)	
Data Plane Acceleration (DPACC)	OPNFV System Configuration And Reporting (OSCAR)	NFV Hypervisors-kvm	
OpenStack based VNF Forwarding Graph	Testbed infrastructure (Pharos)		
Data Collection for Failure Prediction (Prediction)	Base system functionality testing (FuncTest)		
Resource Scheduler (RS)	Platform Performance Benchmarking (Qtip)		
Model Oriented Virtualization Interface (Movie)	Deployment Template Translation (Parser)		
Multi-Site Virtualized Infrastructure (Multisite)	Infrastructure verification (Yardstick)		
Smooth Upgrade (Escalator)	Juju OPNFV Infrastructure Deployer (JOID)		
Audit (Inspector)	Release Engineering (Releng)		
	Apex OPNFV installer		
	Compass OPNFV installer		
	Fuel based OPNFV installer		

Wiki Page cont.

- Follow existing project wiki layout.
- Wiki page should include:
 - A link to the project proposal
 - Key project facts (pulled from the INFO file).
 - A contributor list
 - A link to the meeting wiki.
 - A link to your project gerrit repo.

Project: Characterize vSwitch Performance for Telco NFV Use Cases

Project vSwitch Performance will develop a generic and architecture agnostic vSwitch testing framework and associated tests, that will serve as a basis for validating the suitability of different vSwitch implementations in a Telco NFV deployment environment. The output of this project will be utilized by the CNFV Performance and Test group and its associated projects, as part of CNFV Platform and VNF level testing and validation.

- vSwitch Performance project proposal
- List of candidate work items for vSwitch Performance
- Hardware requirements for vSwitch Performance
- Draft release plan for vSwitch Performance
- vSwitch Performance Governance Model proposal
- vSwitch Performance Characterization Governance Model proposal
- vSwitch Performance Characterization Test Specification Review
- vSwitch Performance Characterization Patch Submission
- vSwitch Performance Characterization STR Summary Draft
- vSwitch Automated Test Framework proposal
- vSwitch Performance Characterization Rebounds

Key Project Facts

Project: Characterize vSwitch Performance for telco nfV use cases
Creation date: December, 2016
Category: Integration & Testing
Lifecycle State: Evaluation
Primary Contact: Mike Lynch
Project Lead: naryan.tanha@intel.com
Site Name: vSwitch Characterization Project
Link tag: vswperf
Mailing List tag: vswperf

Contributors:
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m@h@huawei.com
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a@n@n@huawei.com

Link to IEC approval of the project: <http://meetbot.opnfv.org/meetings/opnfv-meeting/>
Link(s) to approval of additional subscribers:

- Contributors:
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How to subscribe to mailing list topic: <http://www.gnu.org/software/mailman/mailman-member.pdf#section.9.2>

Meetings: [vSwitch Meeting Details and Minutes](#)

Gerrit: <https://gerrit.opnfv.org/gerrit/vswitchperf>

Test Specification Ebersole: <https://etherpad.opnfv.org/p/vSwitchPerfTestSpec>

Table of Contents

- Project: Characterize vSwitch Performance for Telco NFV Use Cases
- Key Project Facts
- vSwitch Performance for Telco NFV Use Cases

Meeting information

- Your meeting details must be added to:
[https://wiki.opnfv.org/meetings?s\[\]=meetings](https://wiki.opnfv.org/meetings?s[]=meetings)
- Your meeting wiki must include an info section with the meeting details.
- If you would like to use IRC for your meeting setup an IRC channel on freenode.net and ask the Linux Foundation to add the [meetbot](#) to take meeting minutes.



Characterize vSwitch Performance for Telco NFV Use Cases (VSPERF) Project Team Meeting

- Weekly On Wednesday 🕒 1500 UTC
- Chaired by Mike Lynch
- IRC channel: #opnfv-vswitchperf
- 🌐 <https://global.gotomeeting.com/join/761901733>
- See [VSPERF](#) for more details on IRC channel and meeting minutes



Characterize vSwitch Performance for Telco NFV Use Cases: Team Meetings

Info

- Weekly Meeting Every Wednesday 09:00 PT (🕒 1600) UTC
- GoToMeeting: 🌐 <https://global.gotomeeting.com/join/761901733>
- IRC:
 - [freenode](https://freenode.net/) 🌐 <https://freenode.net/>
 - IRC channel: #opnfv-vswitchperf 🌐 <http://webchat.freenode.net/?channels=#opnfv-vswitchperf>
 - MeetBot: 🌐 <http://meetbot.opnfv.org/meetings/opnfv-vswitchperf/2015/>

Table of Contents

- Info
- vSwitch Performance Characterization Meeting Agenda
- vSwitch Performance Characterization Meeting Minutes
 - July 22nd 2015
 - July 15th 2015
 - July 8th 2015
 - July 1st 2015
 - June 24th 2015
 - June 17th 2015
 - June 10th 2015
 - June 3rd 2015
 - May 27th 2015
 - May 20th 2015
 - May 13th 2015
 - May 8th 2015
 - April 29th 2015
 - April 22nd 2015
 - April 8th 2015
 - March 25th 2015
 - March 11th 2015
 - Feb/11/2015
 - Feb/04/2015
 - Jan/21/2015
 - Jan/14/2015

JIRA

- Planning on using JIRA? You will need it if you are using git/gerrit.
- Email opnfv-helpdesk@rt.linuxfoundation.org to setup the JIRA project.
- Include your committer/contributor list and project alias in the email.

Project governance

- TSC charter <https://www.opnfv.org/developers/technical-project-governance/tsc-charter>
 - Strongly recommend reading this and in particular the LF bylaws on contributor promotions...
- Coding guidelines
https://wiki.opnfv.org/developer/contribution_guidelines

General Info

OPNFV Tools

- Etherpad: a real time collaborative document editing tool
 - Link to list of Etherpads: <https://gist.github.com/Aricg/fc50638076db783d3630>
 - Link to the Etherpad entry page: <https://etherpad.opnfv.org/>
- IRC + Meetbot
 - MeetBot is a plugin to the IRC bot supybot to facilitate taking of notes during IRC meetings.
 - Documentation available at <http://ci.openstack.org/meetbot.html>)
 - [MEETBOT LINK](#)
 - Creating meeting minutes with meetbot <https://wiki.opnfv.org/wiki/meetbot>
- Gerrit and Git
 - Access Git repositories, review, and comment on the OPNFV code base.
 - [GERRIT LINK](#)
 - [Getting started with your account, Gerrit & Git](#)
 - Cloning a Repo and setting up gerrit: see section below

OPNFV Tools Cont.

- Wiki
 - This Wiki contains all of the developer level information for OPNFV.
 - [WIKI LINK](#)
- Jenkins
 - Continuous integration tool for OPNFV.
 - [JENKINS LINK](#)
- JIRA
 - Submit and track bugs related to OPNFV.
 - [JIRA LINK](#)
- Trello
 - **TODO**
- Issues/Questions: opnfv-helpdesk@rt.linuxfoundation.org

OPNFV Mailing lists

- **Technical Discuss:** This list is for general technical discussion about OPNFV. It's open to anyone to join (opnfv-tech-discuss@lists.opnfv.org)
- **Technical Steering Committee:** The TSC list is for the Technical Steering Committee members to discuss topics for the TSC. It's open to anyone to join the list and participate but should only be for topics relevant to the TSC. For general technical discussions, please use the general Technical Discuss mailing list (opnfv-tsc@lists.opnfv.org)
- **Marketing Committee MEMBERS ONLY:** If you're a member and interested in participating in the marketing committee, please subscribe to the list and your subscription request will be confirmed shortly (opnfv-marketing-committee@lists.opnfv.org)

Developer Resource page

- <https://wiki.opnfv.org/developer>
- Covers:
 - Understanding OPNFV Projects and Roles
 - Getting Setup with OPNFV Tools
 - Building, hacking and testing patches
 - Jenkins
 - Tips and Tricks
 - Coding Guidelines

Resources

- Project ABC's: https://wiki.opnfv.org/developer/projects_abc
- [Getting started with your account, Gerrit & Git](#)
- List of OPNFV Developer tools: <https://www.opnfv.org/developers/tools>
- [OPNFV Tools Training](#)