OPNFV

TAC Project Health Review
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August 12, 2020

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OPNFV - Summary

› **Project Functionality:**
  › OPNFV reduces time to integrate and deploy NFV infrastructure and onboard VNF/CNFs for those who supply components and those who operationalize these platforms.
  › The OPNFV community does this by implementing, testing and deploying tools for conformance and performance of NFV infrastructure, aligned with industry reference architectures.

› **Latest Release:**
  › IRUYA, released on January 30, 2020, contains tools, script and automation is an enabler for the Cloud iNfrastructure Telco Taskforce (CNTT) Reference Implementation (RI), Reference Compliance (RC), the OPNFV Verification Program (OVP), and cross-project testing.
  › OPNFV allows sub-project Self Releases: Functest has already achieved JERMA Release

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OPNFV - Community Health (1)

It's not all about Metrics on the next page!

› Elected New TSC Chair in January 2020

› New Role of TSC Vice Chair Elected in Feb 2020

› TSC Elections for Aug 2020-2021 Term complete

› OPNFV 2.0 Mission Statements Completed

› New OPNFV Release Process for JERMA approved

› Extensive sub-project archiving and rejuvenation

› New sub-project on Kubernetes Infra: kuberef

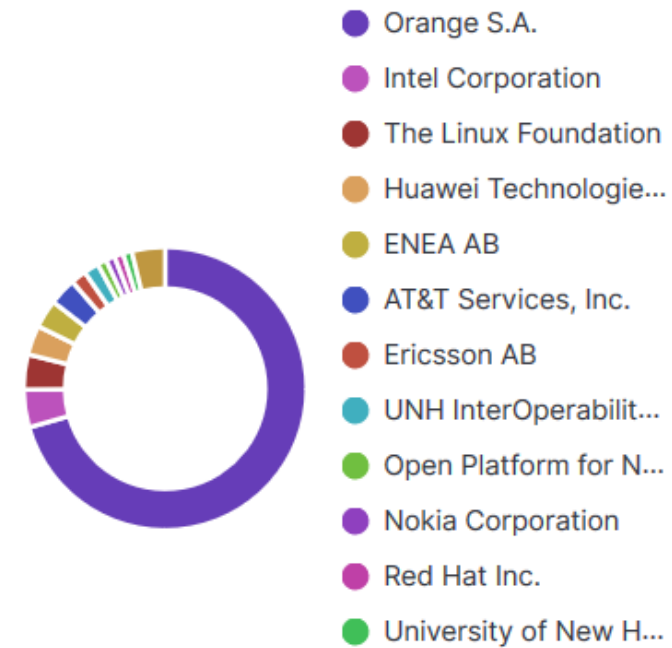› Other sub-projects working K8s topics on their own initiative

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OPNFV - Community Health (2)

Over last 12 months:
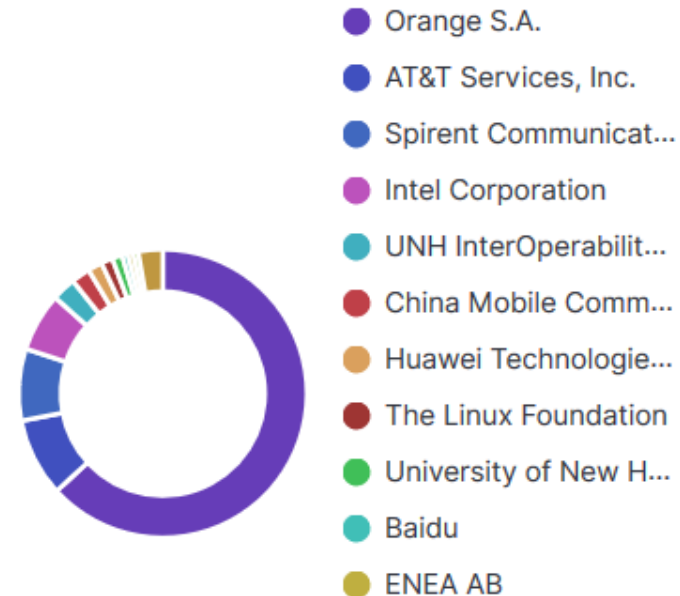
› 24 sub-projects, 3 Mature & 3 New

› Number of active Authors: 111

› Number of Commits : 2849

› Number of Repos: 39

Commits Percentage By Organization

- Orange S.A.
- Intel Corporation
- The Linux Foundation
- Huawei Technologie...
- ENEA AB
- AT&T Services, Inc.
- Ericsson AB
- UNH InterOperabilit...
- Open Platform for N...
- Nokia Corporation
- Red Hat Inc.
- University of New H...

Lines Changed Percentage By Organization

- Orange S.A.
- AT&T Services, Inc.
- Spirent Communicat...
- Intel Corporation
- UNH InterOperabilit...
- China Mobile Comm...
- Huawei Technologie...
- The Linux Foundation
- University of New H...
- Baidu
- ENEA AB

Author	Commits	Projects	Added Lines	Removed Lines	Avg. Files	Last Commit Date
cedric.ollivier	1,994	1	32352	24247	1.812	Aug 6th 2020
Alexandru Avadanii	75	1	1517	420	2.76	Jun 18th 2020
Aric Gardner	73	1	298	3491	2.822	Mar 17th 2020
Dan Xu	70	1	4539	2434	3.757	Feb 6th 2020
Xavier Simonart	46	1	6020	1952	5.935	Jul 10th 2020

OPNFV - Infrastructure Tooling

› **Currently, classic tooling including**
  › **Jenkins, git, gerrit, JIRA, ...**
› **OPNFV met on Monday, August 10 to discuss the new INFRA-recommended CI/CD**
› **Discussion on-going**

OPNFV - Cross-Project Interaction

› Majority of interactions with:

  › CNTT: As originally intended, Telco/EU Reference Model and Arch Requirements will result in

    › Development of Reference Infrastructure

    › Test Cases for Automation, Integration, Conformance Assessment, and Badging

  › CNCF:

    › Evaluation of K8s Architectures and CNI-plug-in performance

  › FDIO: Members of the Benchmarking Community work on new methods of assessment and standardization (IETF and ETSI NFV)

OPNFV - Your Feedback

› **What's working well that others should know about?**

  › Every LFN project needs more resources. OPNFV has some success recruiting from academia, INDEPENDENT of the Intern program, with longer-term stays.

  › NOT a complete solution, see below

› **Where is help needed?**

  › Maintenance of existing tests is a major effort

› **What would do differently over past year?**

  › Encourage CNTT to accept their original role as a Temporary Task Force much earlier: Together we can work with OpenStack, CNCF, and other Upstream communities as OPNFV always has.

LFN Project Health Review Template -- INSTRUCTIONS

› **Background:** This template is for health reviews of LFN Projects as outlined here: https://wiki.lfnetworking.org/display/LN/LFN+Project+Lifecycle

  › These include: Quarterly Sandbox Health Reviews, Annual Incubation Health Reviews, and TAC Project Health Reviews

  › Health reviews should be less formal than a review for moving to the next project stage

  › There is no pass/fail for health reviews, just a chance to share concerns with the TAC and receive coaching

› **Instructions:**

  1. Work with LFN Staff (Casey Cain) to schedule your review with the TAC during a regularly scheduled meeting (every-other Wednesday)

  2. Complete the following pages with information about your project. Feel free to add other information outside of the template

  3. Place your completed presentation in the wiki with a link on this page (https://wiki.lfnetworking.org/x/jAaDAQ) under "Project Reviews"

  4. Present to the TAC for 15 minutes with an additional 15 minutes for Q&A