

Yardstick

Yardstick - Infrastructure Verification

Project Description

The goal of the Yardstick Project is to verify the [infrastructure compliance](#) when running VNF applications.

NFV Use Cases described in [ETSI GS NFV 001](#) show a large variety of applications, each defining specific requirements and complex configuration on the underlying infrastructure and test tools. The Yardstick concept decomposes typical VNF work-load performance metrics into a number of characteristics/performance vectors, which each of them can be represented by distinct test-cases.

The project's scope is to develop a test framework, test cases and test stimuli. The methodology used by the Project, to verify the infrastructure from the perspective of a VNF, shall be aligned with [ETSI TST001](#).

Project Scope

The following are in the project scope:

- Decompose VNF work-load performance metrics into a number of characteristics/performance vectors, identifying and categorizing the metrics related to characterization of the infrastructure, develop test case examples to realize the metrics;
- Enable verification of more complex test cases by developing functionality to run parallel testing, inject fault, test multiple topologies, test scenarios.
- Methodology for verifying infrastructure from the perspective of a VNF aligned with [ETSI TST 001](#).

Updates

Recently Updated

[vIMS Charaterization using NSB](#)
Apr 18, 2019 • updated by Ta rek Reyad • [view change](#)

[vCMTS Charaterization using NSB](#)
Apr 18, 2019 • updated by Ta rek Reyad • [view change](#)

[vIPSec Charaterization using NSB](#)
Apr 09, 2019 • updated by Ta rek Reyad • [view change](#)

[Release Gambia](#)
Apr 05, 2019 • updated by Md Safiyat Reza • [view change](#)

[vIPSecOverview.png](#)
Mar 20, 2019 • attached by T arek Reyad

[vIPSecNodeStats.png](#)
Mar 20, 2019 • attached by T arek Reyad

[TrafficGenThroughput.png](#)
Mar 20, 2019 • attached by T arek Reyad

Project Links

- [Yardstick Dashboard](#) (opnfv/opnfv)
- [Yardstick Reporting](#)
- **Gerrit:** <https://gerrit.opnfv.org/gerrit/>
- **Git:** <https://git.opnfv.org/cgit/yardstick/>
- **Jira:**
 - <https://jira.opnfv.org/secure/BrowseProjects.jspa>
 - [Yardstick Kanban board](#)
 - [Yardstick Jira Dashboard](#)
- **Jenkins:** <https://build.opnfv.org/ci/view/yardstick/>
- [Yardstick PTL Election](#)

Key Facts

- **Meetings:**
 - Tuesday UTC **09h30 - 10h00** since Oct 30th (Asia and Europe Slot)
 - IRC & zoom.us: <https://zoom.us/j/5014627785>
 - [Meeting logs](#)
- **IRC channel:**
 - #opnfv-yardstick
- [People](#)
- [Contact Yardstick](#)

Documenation

HTML
Yardstick User Guide (Fraser)
Yardstick Code Documentation
Yardstick Release Notes (Fraser)
Yardstick Test Results Documentation

Releases

Q&A

Useful Links

- **Etherpads:**
 - [Porting Yardstick to Python 3](#)
 - [Yardstick new feature demo](#)
 - [Project governance, Mobility Traffic Profile](#)
 - [Yardstick and HA](#)
 - [Yardstick folder structure](#)
 - [Yardstick framework architecture](#)

- [Yardstick test results visualization](#)
- [Yardstick roadmap](#)
- [Yardstick Developer guide](#)
- **Extra Material**
 - [Presentations, Demos & Videos](#)