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
- Yardstick test cases overview
  Mar 22, 2020 • updated by Al Morton • view change
- Yardstick People
  Nov 07, 2019 • updated by Rex Lee • view change
- Release Iruya
  Sep 29, 2019 • created by Rex Lee
- Yardstick Presentations, Demos & Videos
  Aug 21, 2019 • updated by Ross Brattain • view change
  yardstick-plugfest-portland-2017.pdf
  Aug 21, 2019 • attached by Ross Brattain
- vIMS Characterization using NSB
  Apr 18, 2019 • updated by Tarek Reyad • view change
  vCMTS Characterization using NSB
  Apr 18, 2019 • updated by Tarek Reyad • view change

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/secuare/BrowseProjects.jspa
  - Yardstick Kanban board
  - Yardstick Jira Dashboard
- Jenkins: https://build.opnfv.org/cgi /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:
  - #opnv-yardstick
  - People
  - Contact Yardstick

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

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