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 form the perspective of a VNF, shall be aligned with ETSI TST 001.

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

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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

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