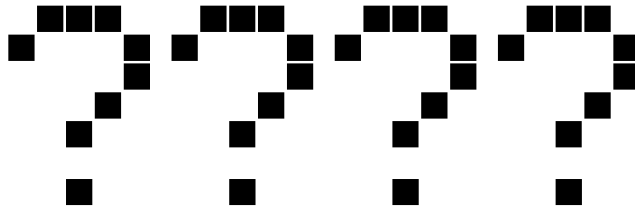


You just developed a cool new feature for OPNFV in project X
You developed the unitary tests
Then you may have some questions....



I need a testbed!, where can I find resources?

What are the recommended tool to test?

Is there any reference traffic profiles for test cases?

Is there any recommendation for the format of the test cases?

What shall I do to integrate my test into a CI test suite?

How can I give some visibility on my test?

...

I need a testbed!, where can I find resources?

Access Pharos Web Portal

Fill in a web form

Pharos redirection to available testbed

Forwarding of the request to Testbed X admin

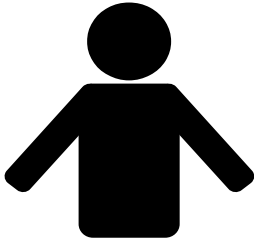
Get credentials from Testbed X (code of conduct)

Start test campaign on Testbed X

Campaign/Test name
Test description
Test owner
Requirements
Hardware
Tooling
Date
Duration

Pharos
DB

Algo comparing
requirement and
available resources



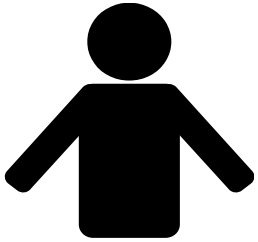
What are the recommended tool to test?

There is no restriction, everybody is free to use the tool he/she wants..

However some project already are using tool that can be re-used especially for CI
Therefore the recommended tools are:

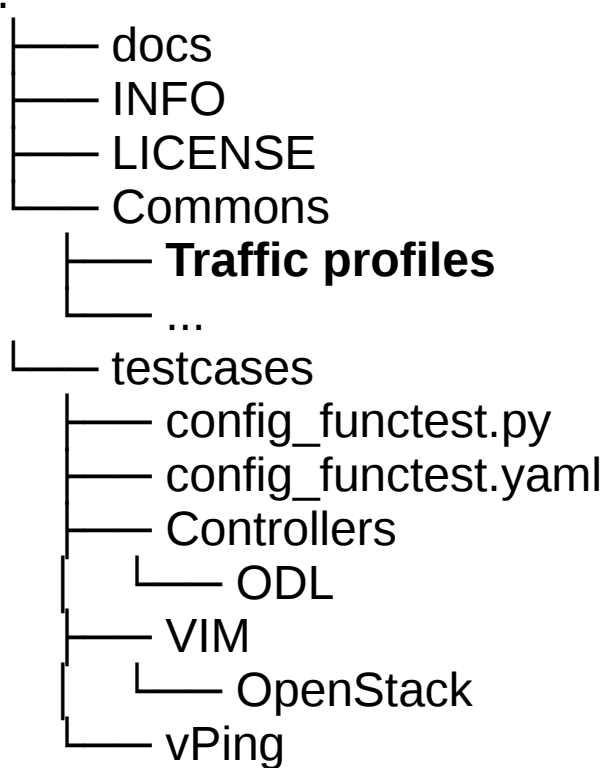
- **Yardstick**: tool to verify the infrastructure compliance when running VNF applications, developed within OPNFV (no dependancy towards upstream projects)
- **Rally**: OpenStack benchmarking tool used in Functest, integrated in CI, please not that tempest is also run from Rally. If your test involved OpenStack related function, it is recommended to create new Tempest/Rally scenario in the upstream projects
- **Robotframework**: generic test automation framework for acceptance testing and acceptance test-driven development (ATDD) used to test ODL scenario
- **pktgen**: a traffic generator powered by Intel's DPDK at 10Gbit wire rate traffic with 64 byte frames.

Please note that some POD must also offer Ixia or Spirent tools

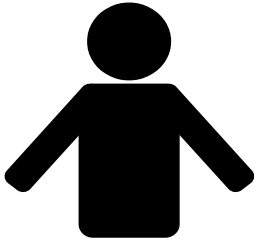


Is there any reference traffic profiles for test cases?

Traffic models shall be stored in Functest (common functions) under git



NB: format under study

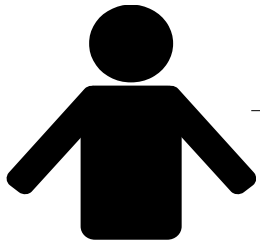


Is there any recommendation for the format of the testcases?

Not really, it depends on the tooling

It is however highly recommended to use **json or yaml format** for configuration/definition and results

Definition of result format for result collection under study
First proposal here: https://wiki.opnfv.org/collection_of_test_results



What shall I do to integrate my test into a CI test suite?

You are able to run automatically your test on Testbed X

Depending on the scenario / the tooling you can integrate your test

- into your own project
- yardstick or Functest

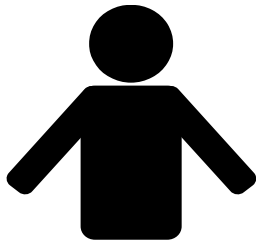
Contact #opnfv-testperf or releng/octopus to discuss the best place

Find a testbed (could be Testbed X) where you can test that

Follow Releng recommendation
Develop Jenkins job that will trigger your script you used to run

Follow Functest/Releng recommendation (Common API shall be available)
to push your results in the result DB
(results will be consolidated in Test dashboard)

Pharos shall encourage the testbeds to include the new test into their suite



How can I give some visibility on my test?

Com channels:

- Mailing list [Testing]
- Weekly meeting dedicated to test
- IRC chan #opnfv-testperf
- wiki

A tool (REST API) shall be developed to declare testcases (and also get the list, get details,...)

From these declaration

- a reference document shall be automatically generated
- coverage map (to be developed) shall be updated