

How do I run xtesting tests on my ONAP lab?

The xtesting dockers are now built in ONAP and can be found in the nexus: <https://nexus3.onap.org/#browse/search=keyword%3Dxtesting>

xtesting dockers includes the libraries needed to perform different tests.

They can be launched from any CI system or manually from your infrastructure.

As we are leveraging the xtesting framework, the results will be managed constantly whatever the test framework used (robot, python, bash,...) and optionnaly it is possible to push the results in <http://testresults.opnfv.org>

We may distinguish 2 big families

1) the tests run with docker from outside the cluster

3 categories are run from outside the cluster:

- nexus3.onap.org:10003/onap/xtesting-smoke-usecases-pythonsdk
- nexus3.onap.org:10003/onap/xtesting-infra-healthcheck
- nexus3.onap.org:10003/onap/xtesting-security

These tests will be run through a docker run command with the needed volumes associated to the different tests. As an example infrastructure tests will need the kube config file, the pythonsdk tests will require the openstack project credentials..

Each docker includes a README file detailing the mandatory and optional options.

Docker	README link
xtesting-infra-healthcheck	https://github.com/onap/integration-xtesting/blob/master/infra-healthcheck/README.md
xtesting-smoke-usecases-pythonsdk	https://github.com/onap/integration-xtesting/tree/master/smoke-usecases-pythonsdk
xtesting-security	https://github.com/onap/integration-xtesting/blob/master/security/README.md

2) the tests run from inside the cluster

Some tests (the historical robot tests) are run from inside the cluser thanks to a kubernetes job

- nexus3.onap.org:10003/onap/xtesting-healthcheck
- nexus3.onap.org:10003/onap/xtesting-smoke-usecases-robot

This job triggers a pod executing the robot tests. The configuration is provided by the testuise configmap but the testsuite pod is not needed.

Please read the different README associated with the docker to get the mandatory/optional parameters to be adapted.

Docker	README link
xtesting-healthcheck	https://github.com/onap/integration-xtesting/blob/master/healthcheck/README.md
xtesting-smoke-usecases-robot	https://github.com/onap/integration-xtesting/blob/master/smoke-usecases-robot/README.md

A demo has been done on how to run healthcheck full, onap-k8s and basic_vm on an ONAP lab

- [demo_tests.pdf](#)
- [Youtube recording](#)