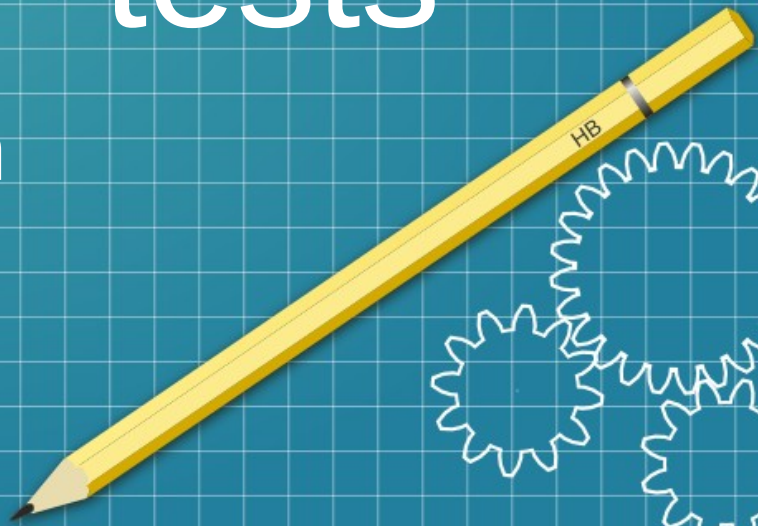
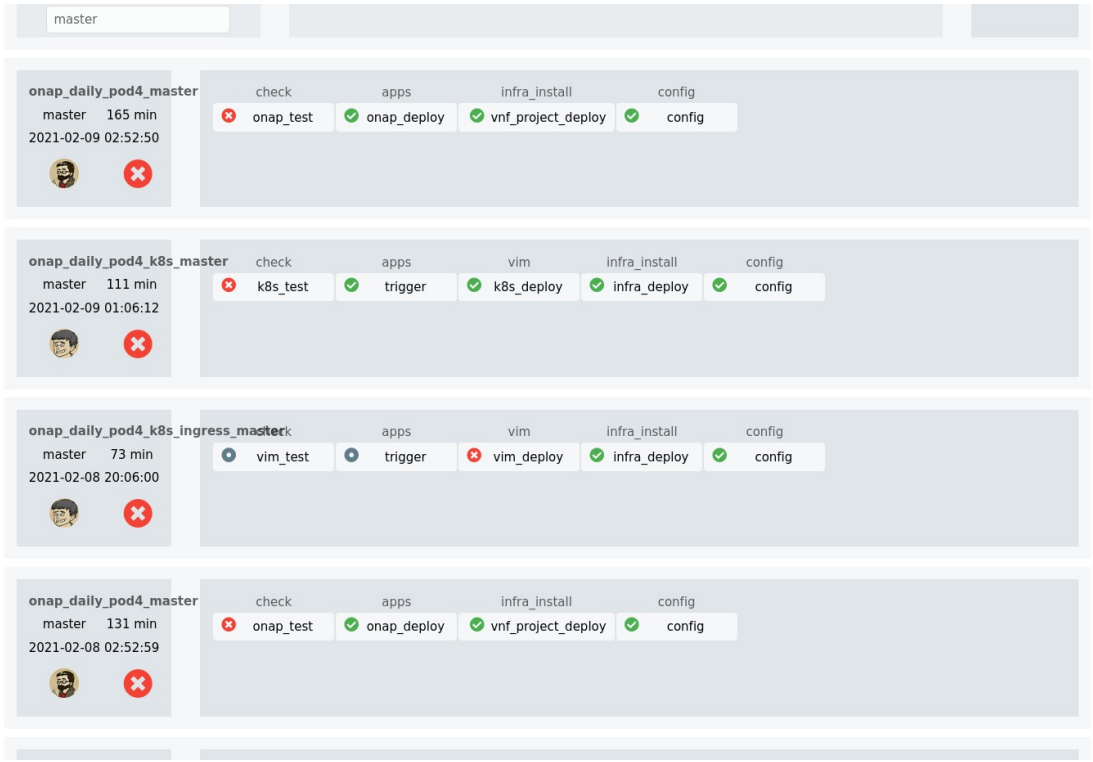
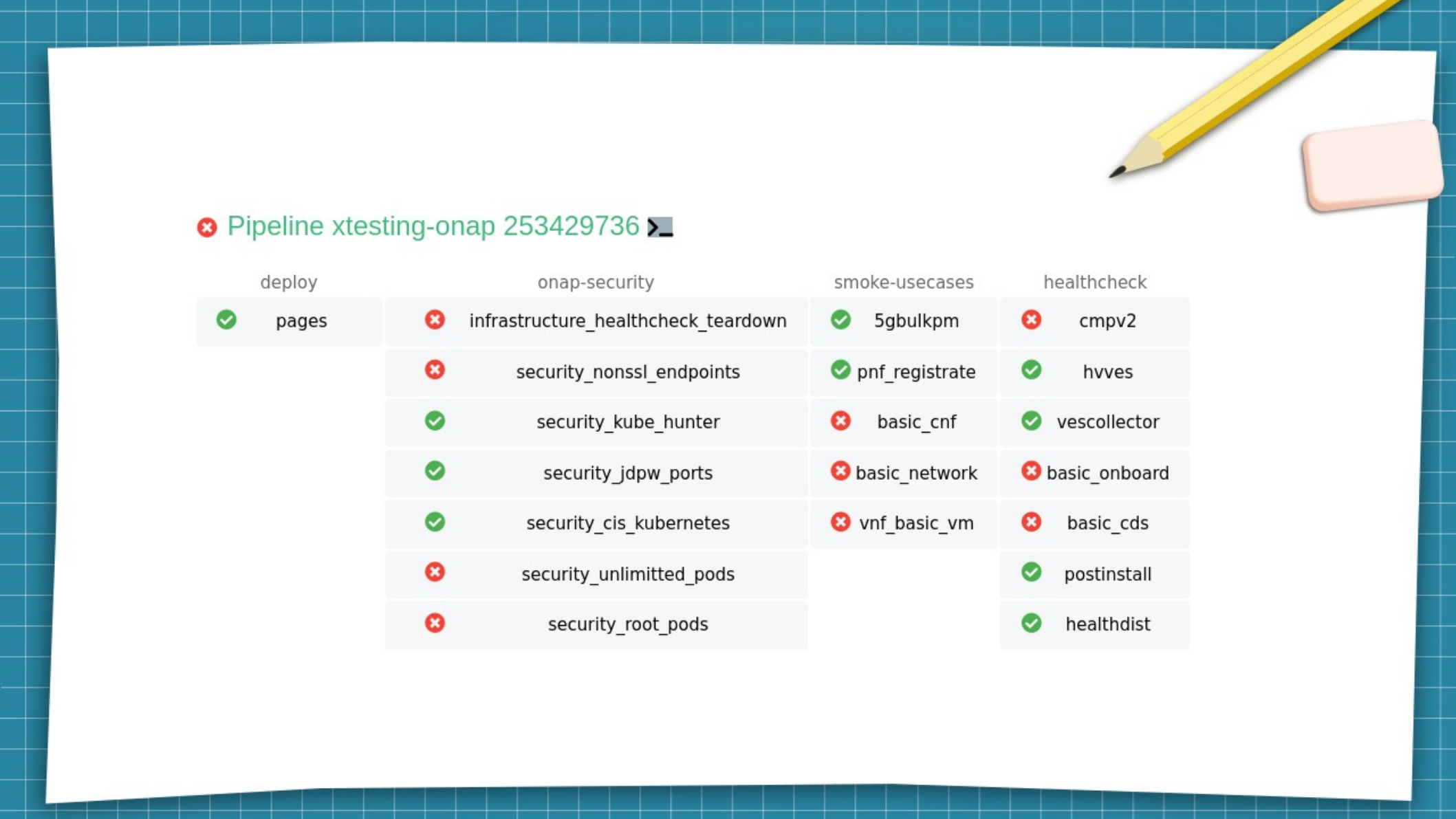
How to run some ONAP tests

Integration team

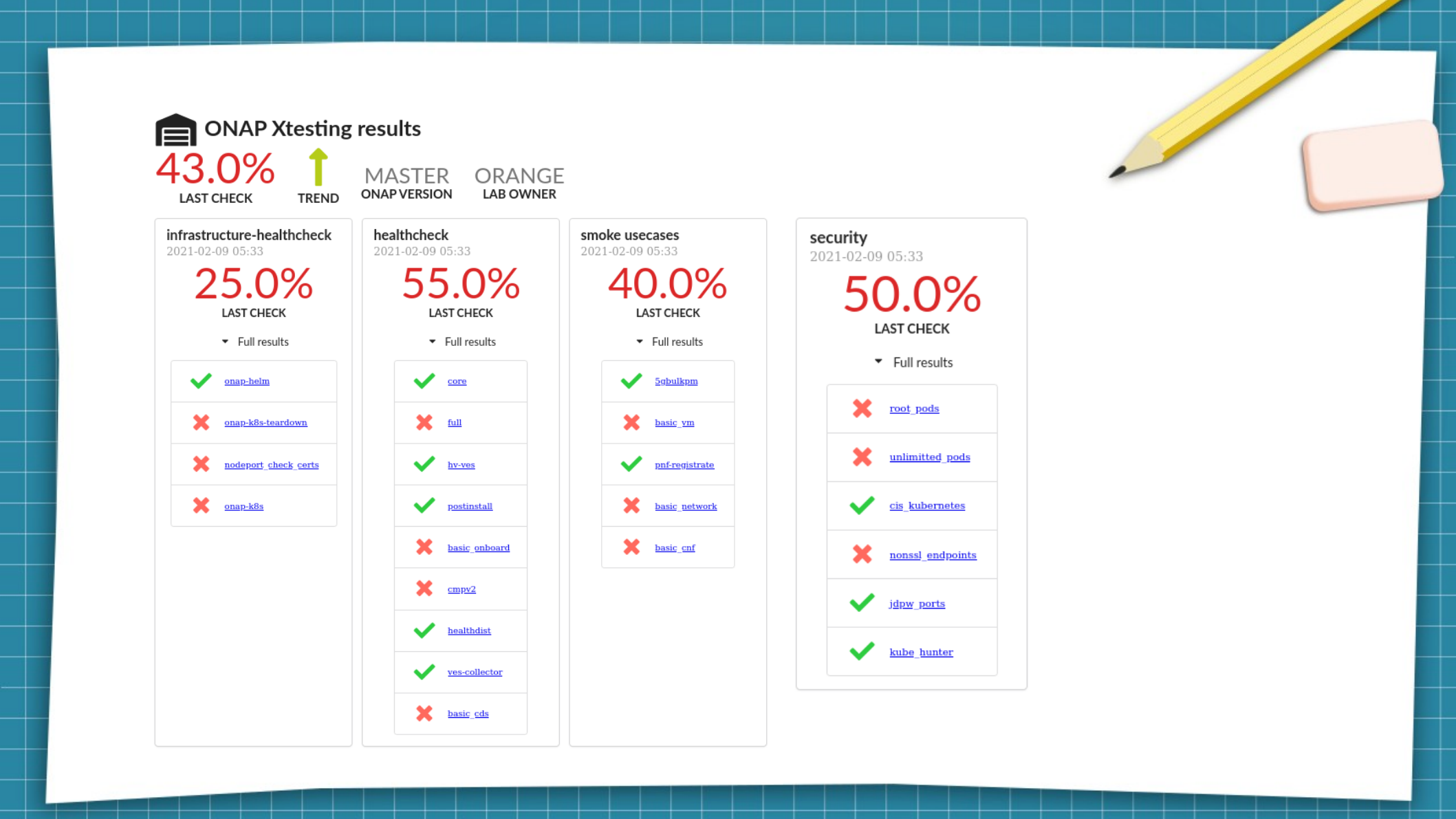



master
onap_daily_pod4_master
master 165 min
2021-02-09 02:52:50
check
apps
infra_install
config
onap_test
onap_deploy
vnf_project_deploy
config
onap_daily_pod4_k8s_master
master 111 min
2021-02-09 01:06:12
check
apps
vim
infra_install
config
k8s_test
trigger
k8s_deploy
infra_deploy
config
onap_daily_pod4_k8s_ingress_master
master 73 min
2021-02-08 20:06:00
check
apps
vim
infra_install
config
vim_test
trigger
vim_deploy
infra_deploy
config
onap_daily_pod4_master
master 131 min
2021-02-08 02:52:59
check
apps
infra_install
config
onap_test
onap_deploy
vnf_project_deploy
config



Pipeline xtesting-onap 253429736

deploy	onap-security	smoke-usecases	healthcheck
pages	infrastructure_healthcheck_teardown	5gbulkpm	cmpv2
	security_nonssl_endpoints	pnf_registrate	hvves
	security_kube_hunter	basic_cnf	vescollector
	security_jdpw_ports	basic_network	basic_onboard
	security_cis_kubernetes	vnf_basic_vm	basic_cds
	security_unlimitted_pods		postinstall
	security_root_pods		healthdist


ONAP Xtesting results
43.0%
LAST CHECK
TREND
MASTER
ONAP VERSION
ORANGE
LAB OWNER
infrastructure-healthcheck
2021-02-09 05:33
25.0%
LAST CHECK
Full results
onap-helm
onap-k8s-teardown
nodeport_check_certs
onap-k8s
healthcheck
2021-02-09 05:33
55.0%
LAST CHECK
Full results
core
full
hv-ves
postinstall
basic_onboard
cmpv2
healthdist
ves-collector
basic_cds
smoke usecases
2021-02-09 05:33
40.0%
LAST CHECK
Full results
5gbulkpm
basic_vm
pnf-registrate
basic_network
basic_cnf
security
2021-02-09 05:33
50.0%
LAST CHECK
Full results
root_pods
unlimitted_pods
cis_kubernetes
nonssl_endpoints
jdpw_ports
kube_hunter

Testing Categories

- Infra-healthcheck
- Healthcheck
- Smoke-usecases
- Security

Focus on 3 tests

- Onap-k8s (infrastructure-healthcheck)
- Full (robot)
- basic_vm (smoke-usecases)

See official doc to get the descriptions of all the tests available in the CI/CD https://docs.onap.org/projects/onap-integration/en/latest/integration-tests.html#automatic-tests

Search docs

Integration missions
Integration Maintenance Release Notes
Integration Release Notes
Integration repositories
Integration resources
ONAP Integration Labs
CI/CD
Tests
Use Cases
CSIT Tests
Automatic Tests
Infrastructure Healthcheck Tests
Healthcheck Tests
Smoke Tests
Security Tests
Stability Testing
Tooling

Automatic Tests

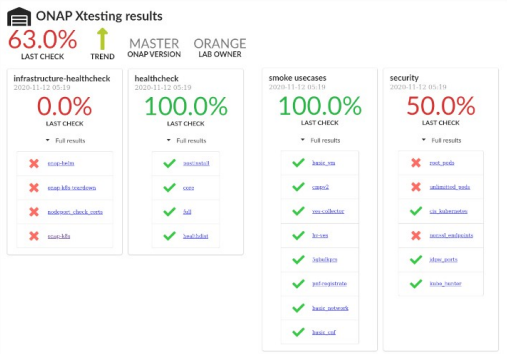
These tests are run daily/weekly on each new gate (new patchset in OOM, clamp or SO). They can be in any language (bash, go, python,...), leveraging any test framework (robotframework, MTS, python-onapsdk). They are all embedded in xtesting dockers.

Hint

Automatic tests are currently divided in 4 different categories:

- infrastructure-healthcheck: tests from OOM checking the ONAP namespace, certificates...
- healthcheck: basic tests on components
- smoke tests: end to end tests
- security tests

A dashboard summarizing the status and providing the links to the test result page or the logs is automatically created at the end of the execution of the tests.



All the pages and artifacts are pushed to LF backend:

- Daily chaines: https://logs.onap.org/onap-integration/daily
- Weekly chains: https://logs.onap.org/onap-integration/weekly
- Gating chains: https://logs.onap.org/onap-integration/gating

Infrastructure Healthcheck Tests

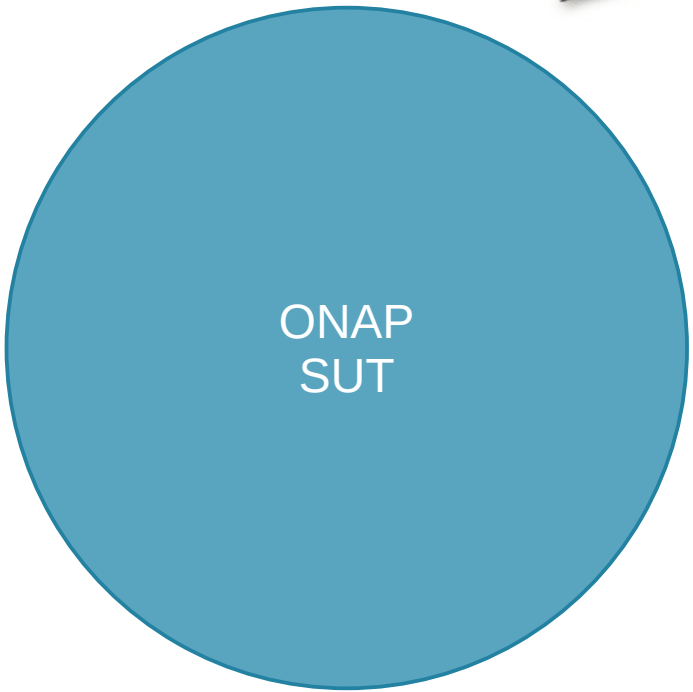
Infrastructure Healthcheck Tests

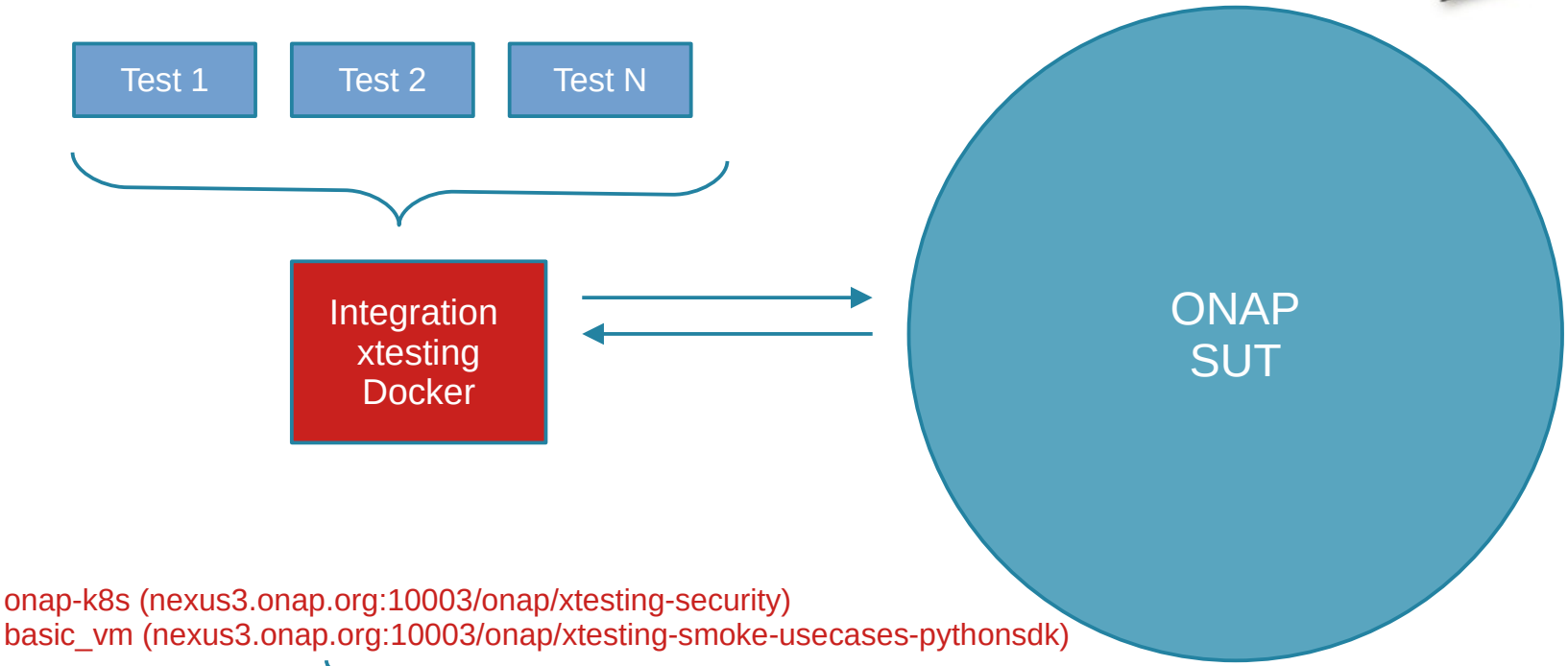
Infrastructure Healthcheck Tests

Tests	Description	Code	Comments
onap-helm	Verify Helm chart status	python module	
onap-k8s	Check common resources of the ONAP Kubernetes namespace	python module	kubernetes python library
nodeport_check_certs	This test list the nodeports and tries to get SSL information to evaluate the validity of the certificates (expiration and issuer) used on the nodeports	python module	pyopenssl, kubernetes python libraries

See Infrastructure Healthcheck README to adapt then run infrastructure healthcheck tests on your own system.

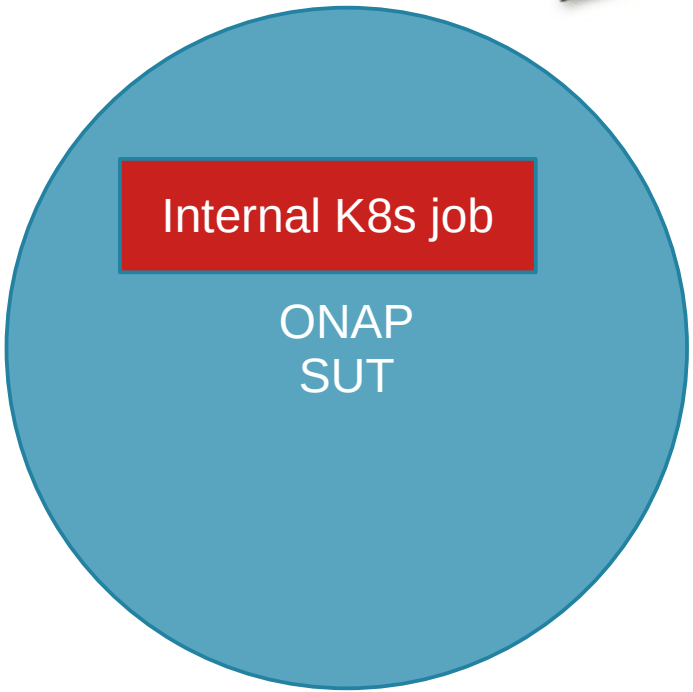
Please note that the onap-k8s is run 2 times in CD chains. It is run just after the installation (onap-k8s) and at the end of the test execution (onap-k8s-teardown) in order to collect the logs of the different components during the test execution.


ONAP
SUT



onap-k8s (nexus3.onap.org:10003/onap/xtesting-security)
basic_vm (nexus3.onap.org:10003/onap/xtesting-smoke-usecases-pythonsdk)

Integration in CI/CD



full
Integration-onap-full 0/1 4h26m 4h26m

Integration in CI/CD

Demo

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