

Integration categories & testsuites discussions

Integration project is planning to setup an "Integration gate" to automate as many use cases as possible.

This gate has been initiated in EI Alto through the daily and gating chains.

This patch is used to discuss the definition of the test categoris and the testcases to be associated.

1) infrastructure-healthcheck

goal: verify ONAP from a k8S perspective

Use case	Type (driver)	Description	Comments
onap_k8s	python	list pods, deployments, events, cm, jobs check that the pods are up&running	already available (refactoring needed to be insourced - currently hosted on github)
onap_helm	python	list helm chart, check they are completed	already available (refactoring needed to be insourced - currently hosted on github)
...			

2) healthcheck

goal: verify ONAP components

Use case	Type (driver)	Description	Comments
core, small, medium, full	robot tags: core, small, medium, full	robot healthcheck tests with tag core /small/medium/full	already available (refactoring needed for the xtesting version to be insourced - currently hosted on github)
healthdist	robot tag: healthdist	onboarding /distribution of vFW model	already available (refactoring needed for the xtesting version to be insourced - currently hosted on github)
Post installation check	robot tag: postinstall		
sdcdcae-d		22	deprecated in frankfurt This belongs to smoke-usecases. As said here, the sdc-dcae-d part of this should have been deprecated in Frankfurt (even though the related test cases are still there in CSIT and integration - I'll clarify with Ofir Sonsino) but have several steps that are using core SDC, so the initial plan was to rewrite the test case without sdc-dcae-ds dependency

3) smoke-usecases

goal: verify mature end to end use cases to validate the release

Use case	Type (driver)	Description	Comments
vFWCL	robot tag: instantiateVFWCL	the historical and canonical vFW example	already available "xtestingization" to be done

basic_vm	python	onboarding/distribution/instantiation /Openstack check of a basic Ubuntu VM through onap-test python client	already available (used for gating and Orange daily chains check SDC/SO/AAI/SDNC using VNF_API / A la carte mode) refactoring needed to be insourced - currently hosted on gitlab.com refactoring of python client in progress in // support of GR_API to be added
freeradius_nbi	python	idem basic_vm except that instantiation is done through nbi module	csit test of nbi project already available (used for gating and Orange daily chains) (refactoring needed to be insourced - currently hosted on gitlab.com)
basic_policy		a basic test to verify policy creation /onboarding/instantiation	some starting point in existing use cases but basic example to be implemented
CDS	robot tag: cds		
5GBulk - "Data Plane"	robot tag: 5gbulkpm	A e2e test to verify 5G Bulk PM flow involving ves, message router, dfc, data router, pmmapper	Ericsson team is building script and robot tag test.
PNF registration	robot tag: pnf_registrate		note it is needed to run init tag before. This init tag include the distribution of vFWCL, vLB, vLB_CDS, vCPEInfra, vCPEvBNG, vCPEvBNGEMU, vCPEvGMUX, vCPEvGW which takes several minutes per distribution. So the init task may be very long and all the module are not needed for pnf_registrate.
HVVES	robot tag: HVVES		
scale_out			
vCPE	python robot tag: distributevCPEResCust	Residential vCPE orchestration using software defined networking (SDN) and network functions virtualization (NFV)	Requires init tag to be run prior to usecase deployment (distributes vCPEInfra, vCPEvBNG, vCPEvBNGEMU, vCPEvGMUX, vCPEvGW)

4) candidate-use-cases

goal: introduce new fully automated use cases

Use case	Type (driver)	Description	Comments
5G-OOF-SON			to be done
...			

5) benchmarking

goal: perform resiliency, robustness, stress tests

Use case	Type (driver)	Description	Comments
LongDuration	robot tag: stability72hr		to be done based on existing 72h tests
Stress			to be done
...			

6) security

goal: perform security audits

Use case	Type (driver)	Description	Comments
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scan			to be done, a first step could consists in running free gitlab-ci security scans on existing docker files to be sync with OSJI effort
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