

Robot Pod Refactoring

In Guilin, the testsuite/oom helm chart must be sent back to OOM.

It is the opportunity to refactor heavily this pod.

[Daniel Rose](#) already initiated the work and suggested a new architecture, more microservices oriented.

The robot pod is now popular in ONAP, as a consequence the change must be transparent to the end user

OOM best practice shall be taken into account in order to introduce non cloud native stuff (storage, certificate management,...).

When possible the robot tests shall be executed as end user, it means out of the ONAP cluster.

At least tests that are executable from outside the cluster shall be known and referenced with a specific tag.

Work has been initiated by [Lucjan Bryndza](#) for ingress.

Robot test tables

note for all the robot tests I run the xtesting docker as follow from the control node

```
docker run -it -v /tmp/robot_properties.py:/share/config/robot_properties.py -v /tmp/results:/var/lib/xtesting/results nexus3.onap.org:10001/onap/xtesting-healthcheck bash
```

I adapted the robot_properties I retrieved from the robot-eteshare configmap to reference the nodeports

Healthcheck

Healthcheck

<https://git.onap.org/testsuite/tree/robot/testsuites/health-check.robot>

NB:

FAIL (1/5): it means that this robot test includes 5 tests, 1 is PASS, the remaining 4 are FAIL

PASS (2/2): as it is PASS it shall be always the same number N/N, it is mentioned to indicate the number of tests of the use case.

Robot Tag	Test	Executable from outside the cluster	Blocking points	Comments
health-aii	<ul style="list-style-type: none">coresmallmediumfull	PASS (1/1)		
health-dmaap	<ul style="list-style-type: none">coresmallmediumfull	FAIL (1/3)	Basic DMAAP Message Router and Message Router PubSub => Call internal dmaap port (3904)	
health-portal	<ul style="list-style-type: none">coresmallmediumfull	PASS (1/1)		
health-sdc	<ul style="list-style-type: none">coresmallmediumfull	PASS (1/1)		

health-sdnc	<ul style="list-style-type: none"> • core • small • medium • full 	PASS (1/1)		
health-so	<ul style="list-style-type: none"> • core • small • medium • full 	FAIL (0/1)	Basic SO HC)> Call SO internal port (8085)	
health-aaf	<ul style="list-style-type: none"> • small • medium • full 	FAIL (0/2)	Basic AAF HC FAIL => Call AAF internal port (8100) not exposed Basic AAF SMS HC FAIL => Call AAF-SMS internal port 10443	
health-appc	<ul style="list-style-type: none"> • small • medium • full 	PASS (1/1)		
health-msb	<ul style="list-style-type: none"> • small • medium • full 	PASS (1/1)		
health-vid	<ul style="list-style-type: none"> • small • medium • full 	PASS (1/1)		
multicloud	<ul style="list-style-type: none"> • small • medium • full 	FAIL (0/7)	502!=200	
health-cds	<ul style="list-style-type: none"> • medium • full 	FAIL (0/1)	Basic CDS HC => call the cds internal port 8080	
health-clamp	<ul style="list-style-type: none"> • medium • full 	PASS (1/1)		
health-dcaegen2	<ul style="list-style-type: none"> • medium • full 	FAIL (0/1)	Basic DCAE HC => call the internal DCAE HC port (80)	
health-policy	<ul style="list-style-type: none"> • medium • full 	FAIL (0/2)	Both policy tests => call the internal Policy port (6969)	
health-oof	<ul style="list-style-type: none"> • medium • full 	FAIL (2/3)	Basic OOF-Homing OK but OOF-CMSO calls internal 8080	
health-uu	<ul style="list-style-type: none"> • medium • full 	FAIL (0/1)	502!=200	

external-api	<ul style="list-style-type: none"> • medi um • full 	PASS (1/1)		
datarouter	full	FAIL (0/1)	Datarouter HC call internal 8443 port	
health-modeling	full	FAIL (0/1)	502!= 200	
health-vfc	full	FAIL (0/14)	502!=200	
health-vnfsdk	full	PASS (1/1)		
healthdist	healthdist	FAIL (0/1)	call to internal SDC port (8445)	

Postinstall

<https://git.onap.org/testsuite/tree/robot/testsuites/post-install-tests.robot>

Robot Tag	Test	Executable from outside	Blocking points	Comments
aaimodels	postinstall	PASS		
dmaapacl	postinstall	FAIL	Call to dmaap internal port (3904)	

Smoke tests

`docker run -v /tmp/robot_properties.py:/share/config/robot_properties.py -v /home/debian/.kube/config:/root/.kube/config -v /tmp/results:/var/lib/xtesting/results nexus3.onap.org:10001/onap/xtesting-smoke-usecases-robot`

Robot Tag	Test	Executable from outside	Blocking points	Comments
hvves	hvves	FAIL (0/1)	Call to internal DCAE port (consul on 8500)	https://git.onap.org/testsuite/tree/robot/testsuites/hvves-ci.robot
5gbulkpm	5gbulkpm	FAIL (1/9)	Call to internal DCAE inventory port (8080) internal dmaap (3904) + hardcoded criteria for DR PM Mapper Subscriber Chec (look for https://dcae-pm-mapper:8443/delivery)	https://git.onap.org/testsuite/tree/robot/testsuites/usecases/5gbulkpm.robot
pnf-registration	pnf-registration	FAIL (0/3)	Call to internal SC port (8445= and internal dmaap port (3904)	https://git.onap.org/testsuite/tree/robot/testsuites/pnf-registration.robot