Integration Meeting Minutes

01 Jun 2022

- **PTL**
  - Integration committers cleanup after release:
    - Morgan Richomme
    - Bartek Grzybowski
    - Maciej Lisowski
    - Marcin Sebastian Krasowski
    - Illia Halych
  - Open nominations for Integration Project PTL - Michal Jagiello is going to step down from that role (but still being committer)

- **Lab status**
  - A&AI fails on both Orange and DT daily
    - Maciej Wereski - Probably race condition on onap-aaa-graphadmin-create-db-schema job
    - Radoslaw Chmiel - found a workaround?
  - Gating 4 was failing on apt update
  - Disk was full
    - Remove docker artifacts with `docker system prune -a`
  - Gating failing on another step: `deploy_full (#253272215)` · Jobs · Orange-OpenSource · lfn · onap · onap_oom_automatic_installation · GitLab
  - Gating is going to be down due to Changes to GitLab.com public project CI/CD minute quotas | GitLab - gating pipelines are running on Orange (as we have still no GitLab CI on ONAP group) so we are going to reach the limit very soon

- **Tests on the UNH**
  - LF created project ONAP / integration / chained-ci · GitLab
  - still no Integration project committers as members
  - University New Hampshire lab - Developer Wiki - Confluence (onap.org) - wiki to follow the status of running tests on UNH lab
    - GitLab runner and jumphost servers up and running
    - GitLab runner not registered - there is no place to register it
  - Release of base Python/Java(?) images is needed

11 May 2022

- **Lab status**
  - still failing holmes-healthcheck on Orange lab
    - [HOLMES] Fixed the Healthcheck Problem (I64d5f326) · Gerrit Code Review (onap.org) - OOM change merged
    - k8s version on gating (where we don't have that issue) is different than on Orange daily - should be checked if change version on Orange fix that issue
      - done: Use the same k8s version as on the gating (4113928I) · Commits · Orange-OpenSource · lfn · ci_cd · chained-ci · GitLab
    - a lot of failures on security tests
      - Fiachra Corcoran - waivers directory gerrit.onap Code Review - integration/seccom.git/tree - waivers/
    - good results on stability: both instantiation and onboarding
    - gating s3 error on tests results upload - no space left on the device

- **Tests on the UNH**
  - still no LF agree on https://gitlab.com/onap/integration creation
  - we have an integration tenant on UNH lab
  - other projects as well and some of them already created their own ONAP instances (Policy for sure)
  - plan is to create a GitLab runner on UNH Infrastructure tenant and run Orange pipelines there
  - all integration committers should have an access to UNH lab following that guide: ONAP IOL-UNH Lab - Developer Wiki - Confluence

20 Apr 2022

- **Lab status**
  - weekly tests Xtesting ONAP Results
  - versions and stability tests ran manually

- **MariaDB issues Łukasz Rajewski**
  - several changes:
    - [MARIADB] Fix wsrep software error (Ib7d8be50) · Gerrit Code Review (onap.org) - downgrade to still acceptable version by SECCOM
    - [MARIADB] Back to istanbul version of mariaDB image (I23b31db0) · Gerrit Code Review (onap.org) - back to the Istanbul version of MariaDB
    - [SO][MARIADB] Improve Mariadb connection (I3dc20f27) · Gerrit Code Review (onap.org) - WIP: Use sequential jdbc connection on SO
      - Wait for tests results to check if there is any improvement

- **E2E network slicing automation**
  - Maciej Lisowski - provide a change to automate A&AI
  - Marcin Sebastian Krasowski - works on SDC part automation
  - Ahila P - works on the CPS TBDMT part

06 Apr 2022

- **Lab status**
  - Rearrange tests execution order:
    - Shouldn't security tests be executed on the beginning? Some tests on failure don't cleanup properly
    - onap-k8s and onap-k8s-teardown false-positives
      - Orange-OpenSource · lfn · tools · kubernetes-status · GitLab [INT-2103] Fix onap-k8s and onap-k8s-teardown tests - ONAP JIRA
Maciej Wereski mentioned about ETCD issue on version recommended by SECCOM

Issue: Inconsistent revision and data occurs · Issue #13766 · etcd-io/etcd (github.com)

SECCOM recommendation: gerrit.onap Code Review - integration/seccom.git/blob - recommended_versions.yaml

Amy Zwarico take a look please

30 Mar 2022

Lab status

- Lack of stability mostly due to SDC onboarding issues
- There is an idea to stop executing tests if previous stage failed. We have currently 4 stages:
  - Infra healthcheck
  - Healthcheck (Splitted into 2 on Orange)
  - Smoke tests (Splitted into 2 on Orange)
  - Onap security
- So if stage 1 failed (Infra healthcheck) we don't execute any other tests
- There is also an idea to reduce the number of tests to execute only tests which are not a part of another, e.g. basic_onboard tests is only onboarding service into SDC, but for many other tests we do the same.

Morgan Richomme Q&A

- Volunteers needed to manage gating and testing
  - Needs to ask TSC

Failing CSIT tests:

- vfc-gvnfm-vnflcm-master-csit-sanity-check #3345 [Jenkins] (onap.org)
- vfc-gvnfm-vnflcm-master-csit-sanity-check [Jenkins] (onap.org)
- vfc-gvnfm-vnfrs-master-csit-sanity-check [Jenkins] (onap.org)
- vfc-gvnfm-vnfrs-master-csit-sanity-check [Jenkins] (onap.org)
- vfc-nfvo-driver-vnf-vnfm-gvnfm-master-csit-sanity-check [Jenkins] (onap.org)
- vfc-nfvo-driver-vnf-mастер-csit-sanity-check [Jenkins] (onap.org)
- vfc-nfvo-lcm-master-csit-sanity-check [Jenkins] (onap.org)
- vfc-nfvo-lcm-master-csit-sanity-check [Jenkins] (onap.org)
- NOT OUR ISSUE

Lab status

Regression candidate: Tests results · Summary (onap.org)

Krzysztof Kuzmicki is working on:

- cmpv2 - daily result cmpv2 (#2214007103) · Jobs · Orange-OpenSource / lfn / onap / xtesting-onap · GitLab
- hv-ves

Feedback on New Q&A review & Demo weekly stability tests Morgan Richomme & Demo kubescape

- how to run stability tests:
  - link to the script:
  - link to the onap_bench library:
  - link to the python package used in resiliency/chaos testing:
  - kubescaptes:
  - almost ready
  - link to the python package used in kubescape tests:
  - if we want to get more details we should create an ONAP account on kubescape to push results there (or create own kubescape instance)
  - exchange with seccom Michal Jagiello

Use case automation status:

- Maciej Lisowski Marcin Sebastian Krasowski any update?

What's next with the robot:

- testsuite/python-testing-utils · Gerrit Code Review (onap.org) is Python 3.X compatible (no Python 3.10, but it's more with testing framework there and no code)
- xtesting-smoke-usecases-root docker image has no Python 2.7 installed
- nexus3.onap.org:10001/testsuite:1.8.0 image has Ubuntu installed and Python 2.7, bash etc installed there

Do not trust license scanning tools: [INT-2086] onap/integration-python:9.1.0 contains libuuid which is GPL-3.0 - ONAP JIRA

- tern marked libuuid as GPLv3
- ScanCode.io marked libuuid as GPLv3
- libuuid has BSD license COPYING - libuuid - util-linux/util-linux.git - The util-linux code repository. (kernel.org)

Thomas Kulik reported we have an empty doc directory in python-sdk-tests, We should:

- provide tests documentation, or
- remove that directory

Michal Jagiello is going to create a ticket for Morgan Richomme to provide some doc there

09 Mar 2022

Lab status

- Two new-old pipelines
  - ONAP Istanbul daily Index of /onap-integration/daily/onap-daily-dt-oom-istanbul
  - ONAP master daily Index of /onap-integration/daily/onap-daily-dt-oom-master
  - Executed on DT lab - thanks Andreas Geissler !!

- basic_vm regression - probably that change [AAI] Updates for AAI Jakarta to release latest versions (I9a068590) · Gerrit Code Review (onap.org) provides it - needs to be discussed with OOM team
- good results on Istanbul daily Xtesting ONAP Results
- Krzysztof Kuzmicki works on the CMPV2 tests

New Q&A review Morgan Richomme
Few Q&A wiki pages from Morgan about ONAP integration related daily tasks:

- How to add keys to access integration labs?
- How to re-run a test on a daily platform?
- How to run a weekly tests?
- How to run stability tests?
- How to create a new pipeline (with new ONAP version) ?
- Till the end of the March it will be a fixed point on our agendas: Morgan Q&A
- One more wiki page prepared by Sylvain Desbureaux : Daily Deployments and gating

Use case automation status:

- No update

Run tests on UNH lab:

- Lab is ready to use
- I created an epic for that [INT-2085] Run ONAP tests on UNH lab - ONAP JIRA

02 Mar 2022

- New committers: Marcin Sebastian Krasowski Maciej Lisowski congratulations!
- Lab status
  - Istanbul
  - daily istanbul is back (problem due python dependency in k8s kubespray installer, increase of mino version 1.151.16 foxed the issue)
  - results are very good (as for the release validation): https://logs.onap.org/onap-integration/daily/onap_daily_pod4_istanbul/2022-03/02_04-01/
  - note it includes the log4j changes (istanbul = istanbul oom branch)
  - problem solved also on DT side, daily shall be back with new name soon
  - basic_cnf_macro not integrated in istanbul - not in istanbul xtesting dockers. But test done on istanbul with master xtesting docker shows that basic_cnf_macro is PASS (no regression) Łukasz Rajewski
  - master
  - daily master error seem reproducible
  - regressions on basic_vm (so cleanup of volume) => needs to be investigated AP: Michal Jagiello
  - errors on _macro due to bad cleanup => Michal Jagiello patch merged today
  - weekly restarted this week end
    - terr results: https://logs.onap.org/onap-integration/weekly/onap_weekly_pod4_master/2022-02/25_20-26/legal/tern/index.html. Alexander Mazuruk asks if terr shall be removed (JIRA for that). unitt scancode is not fully integrate, no problem to keep terr in weekly (not run so frequently..)
      - in addition of robot, issue with ejbca and multicloud-fcaps
      - stability tests not run due to basic_vm regression

Use case automation status:

- DCAE related use cases
  - Update on 5Gbulkpm: Krzysztof Kuzmicki fixed most of the issue, shall be ready now. MR created to populate chartmuseum to be reviewed and merged
  - next planned cmpv2
  - dcaemod more complex...

- 5G Slicing: policy code merged in demo
- kafka HC => Morgan Richomme created a page to explain how the issue could be solved: Refactoring of tests due to kafka refactoring. Krzysztof Kuzmicki indicated that it would also be possible to call kubernetes command from the robot test
- Discussion on AAI stress tests with ATT, ATT gatling scripts shall be available and reusable for tests

23 Feb 2022

- Lab status
  - Istanbul
  - results not bad. Remaining test errors due to DCAE changes but a patch is in gate - no results due to error below.
  - The Makupsafe issue (jinja2 dependency) is also responsible for the istanbul k8s installation issue
  - Master
  - deployment OK but all smoke tests failing due to Makupsafe
  - pb Markupsafe lib:
    - ugly test merged...https://gerrit.onap.org/r/c/integration/xtesting/+/127250 => tests shall be run on Master tomorrow (does not fix the installationissue)
    - I tried a cleaner way (https://gitlab.com/Orange-OpenSource/lfn/onap/python-onapsdk/-/merge_requests/334) but all tests are failing...wait for Michal Jagiello comeback to check the issue and be sure to do thing properly on SDK versioning

- jakarta tests
  - 5G Slicing automation follow up
    - All patches of Maciej Lisowski merged
    - Question from Ahila P on simulators sent by mail. For the moment 2 of the 3 simulators are in the wiki. Action morgan push simu to the repo (the repo already exists)
    - kubescape => demo next week
    - Load test on AAI (using gatling) => action Morgan Richomme resync Michal Jagiello /William Reehil / Christophe AUZIZEAU
    - kafka (testing refactoring) => Refactoring of tests due to kafka refactoring, answer sent by mail to Fiachra Corcoran

- Misc
  - Morgan Richomme and Sylvain Desbureaux are stepping down
    - end of contributions: end of March 2022
    - end of Orange platform: end of Jakarta release (with minimal support)
    - Azure / NH won't be touched (gating will work, staging, ...) but resources to be identified to manage them...
16 Feb 2022

- **Lab status**
  - onap-k8s issue - there is another issue after the dependency library new version release
  - Orange lab - some issues with connection during random tests
  - **A&AI**
    - A&AI schema-service is on Waiting (CrashLoopBackOff) on gating
    - still blocks master gating

- Alex Mazuruk [http://scancode.onap.eu/](http://scancode.onap.eu/)
  - logging currently using GitHub account (consider using LF ID)
  - needs to be discussed with seccom where the scan policies should be stored
  - prepare a demo with two Integration projects:
    - integration/docker/onap-java11 · Gerrit Code Review
    - integration/docker/onap-python · Gerrit Code Review
  - Add images into scancode during docker-verify Job and run pipeline for them. We could analyse results and present that during one of the incoming PTL meetings

- **INT-2021** - Automate 5G Slicing use case in CI
  - Create a demo · Gerrit Code Review ([onap.org](http://onap.org)) repo directory to keep there scripts and migrate Manual Configurations - Developer Wiki - Confluence ([onap.org](http://onap.org)) into markdown files there to be able to keep history and review changes

09 Feb 2022

- **Lab status**
  - Orange lab down
  - DT still down
  - Gating is OK, but since today some A&AI issues observed

- basic.cnf.macros test
  - Tests results - Summary ([onap.org](http://onap.org))

- **E2E network slicing use case**
  - [INT-2064](#) - Automate 5G Slicing use case in CI - Manual configuration step 1 - SDC
  - [INT-2065](#) - Automate 5G Slicing use case in CI - Manual configuration step 2 - UUI Configuration
  - [INT-2066](#) - Automate 5G Slicing use case in CI - Manual configuration step 3 - MSB Configuration
  - [INT-2067](#) - Automate 5G Slicing use case in CI - Manual configuration step 4 - SO
  - [INT-2068](#) - Automate 5G Slicing use case in CI - Manual configuration step 5 - OOF Configuration
  - [INT-2069](#) - Automate 5G Slicing use case in CI - Manual configuration step 6 - Policy Creation Steps
  - [INT-2070](#) - Automate 5G Slicing use case in CI - Manual configuration step 7 - AAIA Configuration
  - [INT-2071](#) - Automate 5G Slicing use case in CI - Manual configuration step 8 - ConfigDB
  - [INT-2072](#) - Automate 5G Slicing use case in CI - Manual configuration step 9 - SDNC
  - [INT-2073](#) - Automate 5G Slicing use case in CI - prepare a demo repo section

02 Feb 2022

- **Ahila P**
  - Network slicing automation
    - at the beginning Integration team needs to take a look on the first phase: Manual Configurations - Developer Wiki - Confluence ([onap.org](http://onap.org)) - preparing an ONAP for instantiation
      - several steps - for sure some missing gaps in ONAP SDK
    - There is a plan to create a scenario in pythonsdk-tests repo for that use case
    - [INT-2021](#) Automate 5G Slicing use case in CI - ONAP JIRA ticket which is going to be used to plan a work
    - Automate use case 5G Slicing in CI - Developer Wiki - Confluence ([onap.org](http://onap.org)) links shared by Ahila P
  - List of log4j vulnerability impacted pods in ONAP
    - Today morning Trivy was ran on ONAP daily master


Pods
- onap-cli-757c76f546-zfd4m in vulnerable!
- onap-message-router-0 in vulnerable!
- onap-sdnrdb-coordinating-only-6f6d6b887b-kzr9x in vulnerable!
- onap-sdnrdb-master-0 in vulnerable!
- onap-sdnrdb-master-1 in vulnerable!
- onap-sdnrdb-master-2 in vulnerable!
- onap-vfc-huawei-vnfm-driver-57fddd8bc7-nqn7b in vulnerable!
- onap-vnfsdk-56d9fb886f-sk4s4 in vulnerable!

Images:
- nexus3.onap.org:10001/onap/cli:6.0.1 -> onap-cli-757c76f546-zfd4m
- nexus3.onap.org:10001/onap/dmaap/dmaap-mr:1.3.0 -> onap-message-router-0
- docker.nexus.azure.onap.eu/bitnami/elasticsearch:7.9.3 -> onap-sdnrdb-coordinating-only-6f6d6b887b-kzr9x, onap-sdnrdb-master-X
- nexus3.onap.org:10001/onap/vfc/nfvo/svnfm/huawei:1.3.9 -> onap-vfc-huawei-vnfm-driver-57fddd8bc7-nqn7b
- nexus3.onap.org:10001/onap/vnfsdk/refrepo:1.6.3 -> onap-vnfsdk-56d9fb886f-sk4s4

- There are more and more critical issue found, but these are just for cve-2021-44228

  * Disable portal tests Krzysztof Kuzmicki
  * Alexander Mazuruk starts http://scancode.onap.eu/, Thanks!

26 Jan 2022

- Lab status
  * Better results, but due to Nexus restart and no images all tests failed
  * cds-resource-resolution is still failing... looks the instance is created before tests is executed
- Integration risks for Jakarta Jakarta Risks - Developer Wiki - Confluence (onap.org)
- Main risks are resources: labs and humans
- Nexus restart https://lists.onap.org/g/onap-discuss/message/23758 should we restart the images creation?
  * Yes, after Jenkins and Nexus are back again jobs below need to be rerun

19 Jan 2022

- Nexus doesn't work - tests doesn't work....
  * LF ticket created - Theme Extension - Linux Foundation JIRA
  * gatig tests works due to Azure cache - images are not downloaded from nexus during each execution
  * When it worked we had several tests issues
    - needed to check if we don't use same kubeconfig on many tests pipelines
      * that can create conflicts because one test tries to create an instance of existing resource
  * Kubescape tests
    - could be useful but won't replace already existing tests
      * root pods check based just on the kubernetes resource definition (pod, deployment, statefulset etc.) and not check if the root user is disabled on the image
    - could be possible to add them into pipeline soon
- Azure lab - should we migrate tests there? - discussion
  * there are currently 3 Azure labs
  * 2 gatings and 1 integration lab with ONAP
  * needs to ask TSC if it's possible to add one more to run daily tests - outside of any company infrastructure (currently Orange, Nokia, DT)
  * we could run daily on the 1 integration lab machine, but there is a risk we won't have a working lab if during daily execution ONAP creation fails
- Migration Integration repos to GitLab?
  * It's not required and will take a lot of time and resources, leave it as is
  * scancode.io - Alexander Mazuruk back and would work on that