Stability tests are part of the weekly tests. See [https://wiki.onap.org/pages/createpage.action?spaceKey=DW&title=How+to+run+a+weekly+tests](https://wiki.onap.org/pages/createpage.action?spaceKey=DW&title=How+to+run+a+weekly+tests)

Log on the weekly lab

A script shall be able on `/home/debian/run_stability_tests.sh`
run_stability_tests -t basic_onboard -s 5 -d 1440 -r $RESULTS_STABILITY_SDC
}

push_results() {
  local archives_location=$1
  local nexus_url="https://nexus.onap.org"
  local nexus_path="onap-integration/weekly/$POD/$(date -d$\{CI_PIPELINE_CREATED_AT\} +'Y-%m')/$\{date -d$\{CI_PIPELINE_CREATED_AT\} +'d-%H-%M'\}"
  sudo chown -Rf debian:debian $ARCHIVES_LOCATION
  echo "===========> Send Result to LF Backend"
  echo "nexus url:"$nexus_url
  echo "nexus path"$nexus_path
  lftools deploy archives $nexus_url $nexus_path $archives_location
}

echo "Prepare stability tests"
prepare_stability_tests $STABILITY_TESTS_LOCATION

launch_stability_tests $STABILITY_TESTS_LOCATION

echo "push results to LF backend.."
push_results ${ARCHIVES_LOCATION}

# Once the stability tests results have been pushed to LF, we can
# - sync the results of the tests checking the versions
# - start the resiliency tests

# push the versions if results exist
if [ -f /dockerdata-nfs/onap/integration/security/versions/versions_reporting.html ]; then
  mkdir -p /tmp/versions/archives/security/versions/
  push_results /tmp/versions
fi

# execute the resiliency tests then push the results to LF backend

if [ -f /tmp/resiliency/reporting_chaos.html ]; then
  mkdir -p /tmp/resiliency/archives/resiliency
  push_results /tmp/resiliency
fi

The script includes the fact to push the results to the LF log backend as well as pushing the versions results (CI finished before the end of the test). But concretely running a stability script can be summarized at:

- installing the python module pip install --no-cache-dir git+https://gitlab.com/Orange-OpenSource/lfn/onap/integration/onaptests_bench.git
- executing the command run_stability_tests -t basic_vm -s 10 -d 1440 -r $RESULTS_STABILITY_INSTANTIATION

The run command can be described as follows:
run_stability_script

(venvstability) debian@control01-onap-master:~$ run_stability_tests -h
usage: run_stability_tests [-h]
    [-t {basic_onboard,basic_vm,basic_vm_macro,basic_network,basic_cnf}]
    [-s SIMU] [-d DURATION] [-r REPORTING] [-i IP]

optional arguments:
    -h, --help            show this help message and exit
    -t {basic_onboard,basic_vm,basic_vm_macro,basic_network,basic_cnf},
                            --test {basic_onboard,basic_vm,
                                basic_vm_macro,basic_network,basic_cnf}
                            Select your test (basic_onboard, basic_vm,
                                basic_vm_macro, basic_network, basic_cnf). If not set, basic_onboarding
                                is considered
    -s SIMU, --simu SIMU  Number of simultaneous tests
    -d DURATION, --duration DURATION
                            Test duration (in minutes)
    -r REPORTING, --reporting REPORTING
                            Result directory
    -i IP, --ip IP        Cluster IP

It fully assumes that daily tests have been executed...so it reused the resources created in /tmp/xtesting/smoke-usecases/basic_vm and in /tmp/xtesting/smoke-usecases/basic_sdc.

Onap_tests_bench "just" starts N dockers in parallel, wait for the completion and re-run as long as specified.

At the end of the duration tests, it generates reporting pages

Only the tests whose name is randomly chosen can be used (to be parallelized).