Improve ONAP tests
Use-case artifacts placement

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• What do we really test?

• Still some use-case artifacts embedded in ONAP components
What is really tested?

244 PODs
Current tests

• Unitary tests
  - Code coverage

• Repeated tests
  - 61 HealthChecks
  - CSIT
  - Some use-cases automated (cf OOM Gating)

• Manuals or semi-automatic tests
  - Pair-wise testing
  - Use-case testing
But what do we test?

- No information about POD involved in tests
  - Healthcheck
  - CSIT
  - Use-case testing

- Some PODs are not involved in CSIT or E2E
vFW example
vFW example: A&AI detail

14 PODs running for A&AI (+ shared Cassandra )  which one involved in vFW use-case ?

onap-aai-aai-55ffc8764f-wtr8c
onap-aai-aai-babel-99bb655c5-tdm81
onap-aai-aai-champ-6ddf64f8d8-jkzvf
onap-aai-aai-data-router-868db64f98-q51jt
onap-aai-aai-elasticsearch-68f6cdd8bb-c6499
onap-aai-aai-gizmo-7cdd9c67b-tzwkm
onap-aai-aai-graphadmin-5ddbb7cb5b-sfsgr
onap-aai-aai-modelloader-6695466c49-jw1kd
onap-aai-aai-resources-8466b5d59f-mf5z4
onap-aai-aai-schema-service-736a3c45e4-s32ae
onap-aai-aai-search-data-74c957d877-sdrlr
onap-aai-aai-sparky-be-7d778b7c6c-5jq18
onap-aai-aai-spike-5d74bdf5bc-qbg9t
onap-aai-aai-traversal-5f76756cf-stmrk
Feedbacks from ONAP Components ‘users/developers’

- We discover bugs late in the Release
- We discover run-time dependencies when using use-cases
El Alto objective

• Ensure that every POD is tested in a use-case or end-to-end test case

• A POD not involved in a use-case or E2E test case should not be part of the Release
El Alto proposals

• Use-case owner
  - Define the list of projects impacted

• Project Technical Leader
  - Define the set of POD used for each use-case
  - Check that every POD involved in
    • Level0: HealthCheck
    • Level1: CSIT
    • Level2: Use-case, E2E test case

• To be added in Check-list and documented in readthedocs
• What do we really test?

• Still some use-case artifacts embedded in ONAP components
ONAP Platform should be deployed with no use-case artifacts

• Many components embed some code specific to use-cases
  - Dedicated policy hardcoded
  - Specific DG
  - Specific entry in some internal database

• Consequences
  - Difficult to focus tests on core features
Migrate all the use-case artifacts in a dedicated repo

• usecases
  - vFW
    • artifacts
      • HEAT
      • Policy
    • doc
    • test
  - BBS
    • artifacts
      • PNF package
      • micro-service
      • policy
    • doc
    • test