Supporting release test for AGL
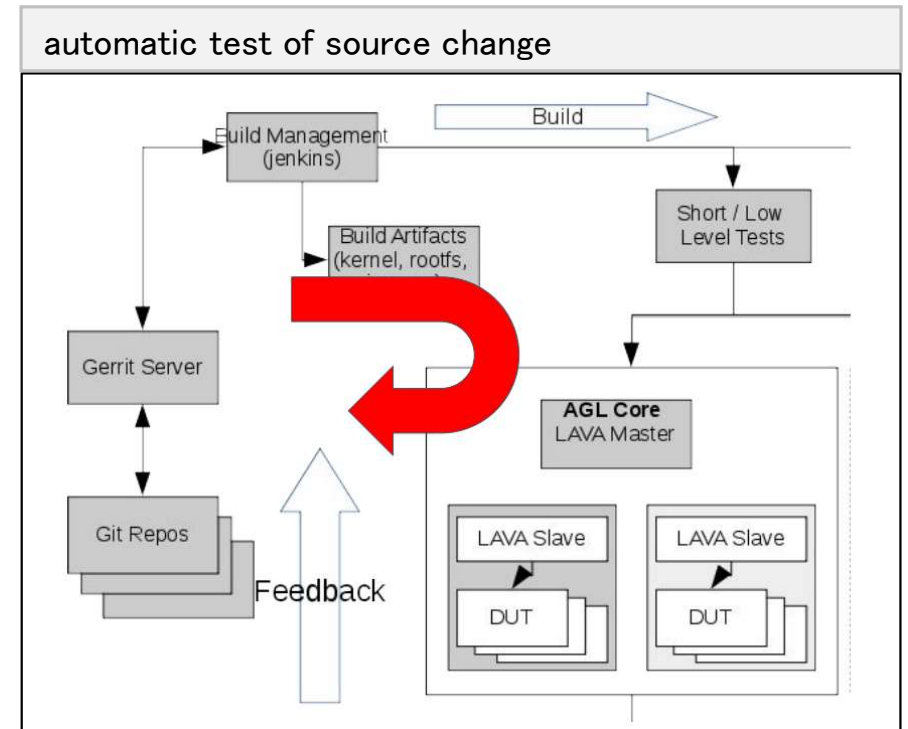
—— LAVA based solution

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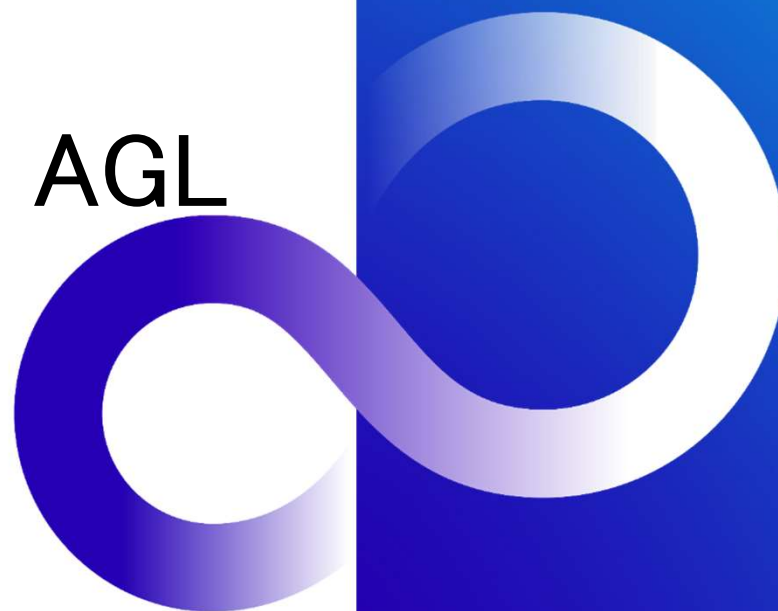
Present situation of AGL CIAT

- When submitting a change to Gerrit, it can trigger automatic test, which bases on LAVA.

- When releasing, it can not trigger automatic test with existed LAVA env.
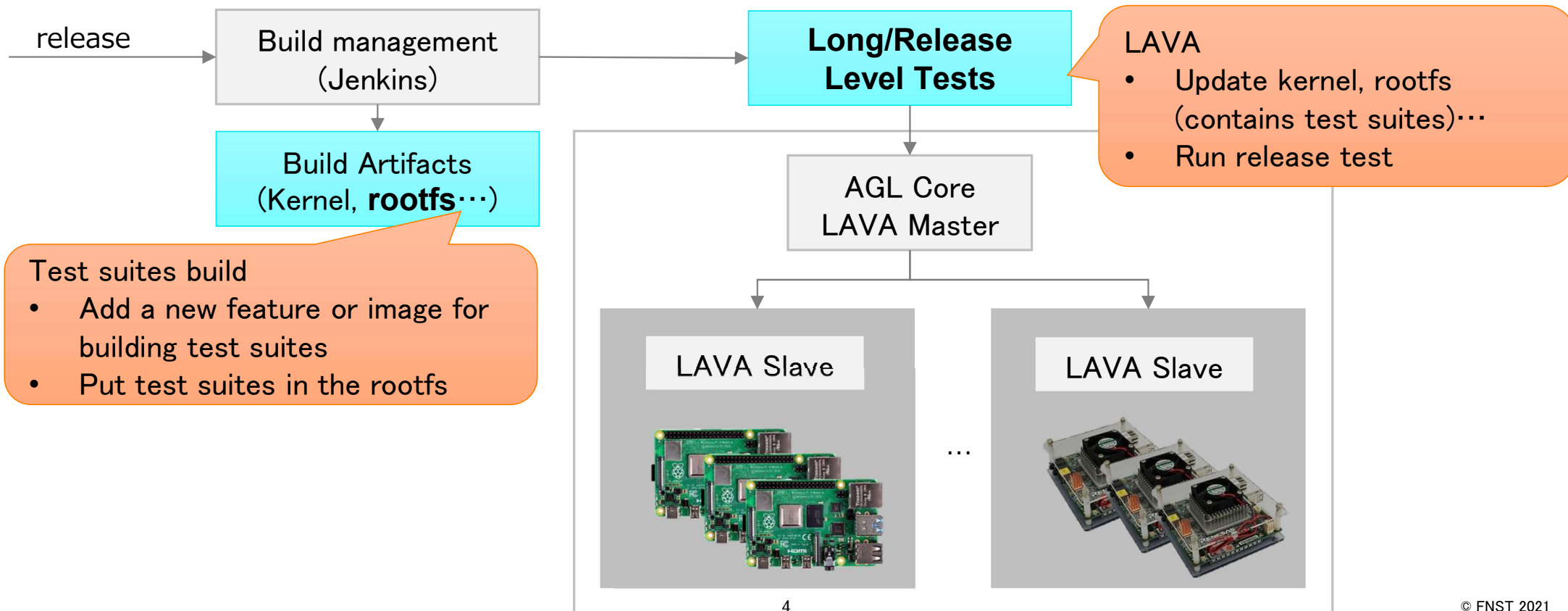 - If do release test, need an AGL-JTA(Fuego) env, because some test-suites(e.g.. fio) need build.

automatic test of source change

Is there any LAVA based solution for supporting release test ?

Solutions

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- Diff solutions of automatic test of release

Solution	good	bad
AGL-JTA(Fuego)	Many test suites High degree of automation	Based on Jenkins job No lava environment used
Fuego + LAVA	Many test suites High degree of automation Can use existed LAVA env	Based on Jenkins job and LAVA Need to modify all test suites
LAVA	Can use existed LAVA env	Not support compiling of test suites Need to migrate test suites from AGL-JTA(Fuego)
LAVA + Test suites build ✅	Can use existed LAVA env Not base on Jenkins job	Need to migrate test suites from AGL-JTA(Fuego)

Solutions

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● Detail of solution [LAVA + Test suites build]

release → Build management (Jenkins) → Long/Release Level Tests

Build Artifacts (Kernel, **rootfs**···)

LAVA
- Update kernel, rootfs （contains test suites）···
- Run release test

Test suites build
- Add a new feature or image for building test suites
- Put test suites in the rootfs

AGL Core LAVA Master

LAVA Slave   ...   LAVA Slave

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Thank you

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