

Most tests have been running in Flutter CI [LUCI](#) for multiple flutter repositories, including [post-submit framework](#), [pre-submit framework](#), etc. This page uses framework as an example, and talks about what to do when a LUCI build failure happens.

Build dashboards

- [Flutter build dashboard](#)
- [LUCI Milo dashboard](#)

Infra Failure

An infra failure comes with network connection issues, hardware outage, recipe breakage, cipd dependency issues, etc. It shows up as a purple box in the dashboards:

- Framework post-submit build dashboard:
[[/images/luci_post_submit_infra_failure.png|luci_post_submit_infra_failure]]
- Framework pre-submit build console:
[[/images/luci_pre_submit_infra_failure.png|luci_pre_submit_infra_failure]]

Overview of an infra failure build

An example build: [Linux color filter and fade_perf_e2e_summary](#).

Build flutter / prod [Linux color filter and fade_perf_e2e_summary](#) 1563 [Switch to the legacy build page](#) *infra failed* after 3 mins 44 secs

Overview Steps & Logs Related Builds Timeline (i) Blamelist

Infra Failure: Step('Upload metrics.upload metrics') (retcode: 64)

Steps & Logs ([View in Steps Tab](#)) (ii)

Show: ☒ Succeeded Steps ☒ Debug Logs ☐ Expand by default

- 1. setup_build running recipe: "devicelab/devicelab_drone"
- 2. Checkout flutter/flutter
- 3. Initialize logs
- 4. Dependencies
- 5. flutter doctor
- 6. pub get
- 7. flutter doctor (2)
- 8. run color_filter_and_fade_perf_e2e_summary
- 9. process logs
- 10. log links
- 11. Killing Processes
- 12. Upload metrics (iii)
 - 1. get access token for default account
 - 2. write token
 - 3. upload metrics (iv)
 - [\\$debug](#)
 - [execution details](#)
 - [stdout \(raw\)](#) (v)

Input

Revision: [63c49c3d83d587890f5304ef480776e99c901dee](#)

Timing

Created: 07:59:10 Wed, Jun 02 2021 PDT
Started: 08:06:44 Wed, Jun 02 2021 PDT
Ended: 08:10:28 Wed, Jun 02 2021 PDT
Pending: 7 mins 33 secs
Execution: 3 mins 44 secs

Infra

Buildbucket ID: [8845526115288711952](#)
Swarming Task: [53e60dea74daf410](#)
Bot: [flutter-devicelab-linux-7](#)
Recipe: [devicelab/devicelab_drone](#)

Build Logs

- [stdout \(raw\)](#)
- [stderr \(raw\)](#)

Actions

[RETRY BUILD](#)

Tags

buildset: [commit/gitles/chromium.google.com/external/github.com/flutter/flutter/+63c49c3d83d587890f5304ef480776e99c901dee](#)
scheduler_invocation_id: 9010956179379676784
scheduler_job_id: flutter/Linux color_filter_and_fade_perf_e2e_summary
user_agent: luci-scheduler

- (i) Link to the historical build list of this builder
- (ii) A quick glimpse of the infra failure
- (iii) The step list of this builder, defined by the recipe on the right

- (iv) The real failed step causing the build failure
- (v) Check `stdout` for detailed log

What to do

1. Check if the infra failure has happened on earlier builds by clicking (i)
2. Check if issue already exists in the [infra bug.pool](#)
3. If not, file [an infra bug](#).
4. If this is a blocking failure, please add Projects [Infra Ticket Queue](#) . The infra gardener will scan through the queue frequently.
5. If you want to get an immediate help, please ask in the discord `hackers-infra` channel
6. If this is an infra flake, and a retry is needed
 - For pre-submit test, click `Re-run` in the [check run page](#):
[[images/luci_pre_submit_rerun.png|luci_pre_submit_rerun]]
 - No access limit.
 - For post-submit test, login to [framework build dashboard](#), click the task box, and click `RERUN` :
[[images/luci_post_submit_rerun.png|luci_post_submit_rerun]]
 - Ask to re-run in discord `hackers-infra` if not allowed.

Test Failure

A test failure shows up as a red box in the dashboards:

- Framework post-submit build dashboard:
[[images/luci_post_submit_test_failure.png|luci_post_submit_test_failure]]
- Framework pre-submit build console:
[[images/luci_pre_submit_test_failure.png|luci_pre_submit_test_failure]]

Overview of a test failure build

Please refer to the above example of the infra failure.

What to do

1. Check if it happens in earlier builds/commits via (i)
2. Debug based on the error message (ii) and detailed log (v) to see if a real test failure caused by code changes.
3. Check if the issue already exists in the [bug.pool](#)
4. Check if a flaky bug has been filed in [flaky bug.pool](#)
5. File a new bug if needed
6. If a rerun is needed, please refer to step 6 in the above infra failure session.

Difference of Engine from framework repo

Rerun a post-submit test

Engine post submit builds are available in [milo dashboard](#) only, and only googlers can rerun. Please ask help from engine or infra team.