

openQA Project - action #92164

t/01-test-utilities.t fails in 'test would have failed' in unrelated PR

2021-05-05 11:16 - okurz

Status:	Resolved	Start date:	2021-05-05
Priority:	Normal	Due date:	2021-05-19
Assignee:	tinita	% Done:	0%
Category:	Concrete Bugs	Estimated time:	0.00 hour
Target version:	Ready		
Difficulty:			

Description

Observation

In <https://github.com/os-autoinst/openQA/pull/3877>

in

https://circleci.com/gh/os-autoinst/openQA/60151?utm_campaign=vcs-integration-link&utm_medium=referral&utm_source=github-build-link t/01-test-utilities.t fails with

```
not ok 1 - warnings in sub processes are fatal test failures
Subtest: warnings in sub processes are fatal test failures
# PID of test-process-1: 141
# waiting at most 42 seconds for SIGCHLD (sleep is supposed to be interrupted by SIGCHLD)
ok 1 - warning logged
not ok 2 - test would have failed
ok 3 - message of test failure
ok 4 - exit code of test failure is non-zero
not ok 5 - manual termination via stop_service does not trigger _fail_and_exit
1..5
```

History

#1 - 2021-05-05 12:46 - okurz

On my work notebook local environment 1k runs (!) have succeeded, in circleCI a second run failed:

<https://app.circleci.com/pipelines/github/os-autoinst/openQA/6386/workflows/ba9d9a66-05f7-4c14-b2ea-921dd5a2e272/jobs/60180/steps> . Anyone an idea?

#2 - 2021-05-05 12:47 - okurz

mkittler mentioned maybe it's because of coverage analysis. Trying with

```
runs=2000 count_fail_ratio make coverage KEEP_DB=1 TESTS=t/01-test-utilities.t
```

but that fails for me with Can't read /home/okurz/local/os-autoinst/openQA/cover_db/runs/1620218733.13161.31806/cover.14 with Sereal: Sereal: Error: Bad Sereal header: Not a valid Sereal document. at offset 1 of input at srl_decoder.c line 600 at /usr/lib/perl5/vendor_perl/5.26.1/x86_64-linux-thread-multi/Devel/Cover/DB/IO/Sereal.pm line 34, <\$fh> chunk 1.. I think I had something like this already in the past. What's missing now?

#3 - 2021-05-05 14:33 - okurz

Using <https://github.com/os-autoinst/openQA/pull/3885> as workaround I can proceed. Running tests with coverage now in a loop locally ...

#4 - 2021-05-06 10:00 - okurz

- Due date set to 2021-05-19

- Status changed from In Progress to Feedback

- Priority changed from High to Normal

experiment finished, runs=2000 count_fail_ratio make coverage KEEP_DB=1 TESTS=t/01-test-utilities.t yields:

```
## count_fail_ratio: Run: 2000. Fails: 0. Fail ratio 0%
```

so at least not easily reproducible this way with coverage locally, must be something else. Any other ideas what to try?

#5 - 2021-05-06 13:42 - tinita

Maybe not a new observation, but at least I wanted to note it:

I ran the tests on CircleCI in a loop (with a dummy fail and RETRY), and in the failing cases the output

```
ok 1 - warning logged
...
```

always appeared around 40 seconds after the note

```
# waiting at most 42 seconds for SIGCHLD (sleep is supposed to be interrupted by SIGCHLD)
```

So at least we know that the SIGCHLD is *not* interrupting the sleep in this case.

Full log of 20 runs:

<https://app.circleci.com/pipelines/github/perlponk/openQA/167/workflows/a5c11032-e6b3-4bf4-a548-70a029d0f4c0/jobs/743>

#6 - 2021-05-06 14:17 - tinita

I added more logging, and it appears that the SIGWARN handler setup in OpenQA::Test::Utils::_setup_sub_process is simply called *before* the SIGCHLD handler has been installed.

#7 - 2021-05-06 15:02 - tinita

- Assignee changed from okurz to tinita

PR: <https://github.com/os-autoinst/openQA/pull/3890>

#8 - 2021-05-06 20:14 - okurz

This is a great finding! I just hope we find a better way than sleep 1 which I despise :D

#9 - 2021-05-07 11:53 - tinita

- Status changed from Feedback to Resolved

#10 - 2021-05-10 12:57 - mkittler

Not sure whether it helped: <https://github.com/os-autoinst/openQA/pull/3877#issuecomment-836523675>

#11 - 2021-05-14 09:40 - okurz

We assume that the last failure was in an older branch. We assume the problem is resolved, otherwise we can reopen or try in a new ticket.