

## openQA Project - action #88915

### Codecov always fails with 404 Not Found - Build has already finished, uploads rejected

2021-02-22 08:36 - cdywan

<b>Status:</b>	Resolved	<b>Start date:</b>	2021-02-22
<b>Priority:</b>	Normal	<b>Due date:</b>	2021-03-09
<b>Assignee:</b>	cdywan	<b>% Done:</b>	0%
<b>Category:</b>	Concrete Bugs	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Ready		
<b>Difficulty:</b>			

#### Description

### Observation

Several open PRs currently seem to fail with *codecov* issues like these ones in the *write* step:

```
Use of uninitialized value $report in ucfirst at /usr/bin/cover line 233.
Reading database from /home/squamata/project/cover_db_api
Merging database from cover_db_fullstack
Devel::Cover: Warning: can't open /home/squamata/os-autoinst/autotest.pm for MD5 digest: No such file or directory
Devel::Cover: Warning: can't open /home/squamata/os-autoinst/OpenQA/Isotovideo/Interface.pm for MD5 digest: No such file or directory
[...]
Devel::Cover: Warning: can't open /home/squamata/os-autoinst/signalblocker.pm for MD5 digest: No such file or directory
<80> does not match <35> - using later value at /usr/lib/perl5/vendor_perl/5.26.1/x86_64-linux-thread-multi/Devel/Cover/DB.pm line 325.
<80> does not match <39> - using later value at /usr/lib/perl5/vendor_perl/5.26.1/x86_64-linux-thread-multi/Devel/Cover/DB.pm line 325.
[...]
<80> does not match <121> - using later value at /usr/lib/perl5/vendor_perl/5.26.1/x86_64-linux-thread-multi/Devel/Cover/DB.pm line 325.
<80> does not match <122> - using later value at /usr/lib/perl5/vendor_perl/5.26.1/x86_64-linux-thread-multi/Devel/Cover/DB.pm line 325.
Writing database to cover_db
CircleCI received exit code 0
```

and these in the *select\_re* step:

```
Reading database from /home/squamata/project/cover_db
Devel::Cover: Warning: can't locate structure for statement in /home/squamata/os-autoinst/OpenQA/Benchmark/Stopwatch.pm
[...]
lib/OpenQA/App.pm          100.0  100.0
[...]
404 Not Found {"detail":"Build has already finished, uploads rejected."}
```

### Acceptance criteria

- AC1:

### Suggestion

- The list of files reported seems to be unsorted but otherwise the same.
- [os-autoinst/openQA#3742](#) was the last successful *codecov* run
- The errors are the same *except for the last message* 404 Not Found {"detail":"Build has already finished, uploads rejected."} instead of 200 OK Coverage reports upload successfully

#### History

**#1 - 2021-02-22 08:37 - okurz**

- Category set to Concrete Bugs
- Priority changed from Normal to Urgent
- Target version set to Ready

**#2 - 2021-02-22 10:33 - kraih**

It is not possible to report the problem upstream, the issue tracker the module [Devel::Cover::Report::Codecov](https://github.com/codecov/codecov-perl/issues) links to is deactivated. <https://github.com/codecov/codecov-perl/issues>

**#3 - 2021-02-22 17:22 - tinita**

I think the warning can't locate structure for statement is unrelated, also successful runs have warnings like that.

We should probably try to switch to codecov-bash.

**#4 - 2021-02-22 17:43 - cdywan**

- Description updated
- Status changed from New to In Progress
- Assignee set to cdywan

**#5 - 2021-02-22 17:48 - cdywan**

tinita wrote:

I think the warning can't locate structure for statement is unrelated, also successful runs have warnings like that.

Yes, sadly. I was investigating the warnings, then thought to trace the last successful run to check the expected result and confirmed that all of these were there before. Except for the 404 in the end.

Incidentally *HTML* has been written despite not being mentioned. Nothing seems to be missing from the artifacts.

So [my PR](#) is probably not helping at all (or just fixes one of the unrelated errors).

**#6 - 2021-02-22 17:54 - cdywan**

- Description updated

**#7 - 2021-02-22 18:12 - cdywan**

- Subject changed from *Devel::Cover: Warning: can't locate structure for statement in /home/squamata/os-autoinst/OpenQA/Benchmark/Stopwatch.pm* to *Codecov always fails with 404 Not Found - Build has already finished, uploads rejected*

**#8 - 2021-02-22 18:28 - cdywan**

tinita wrote:

We should probably try to switch to codecov-bash.

Do you think [codecov-bash](#) is better maintained? ☐☐ I didn't spot any recent fixes there that could help us.

But it [seems easy enough to try out](#). I actually like the friendly CLI output and it seems like it would be easier to debug than what we have now.

**#9 - 2021-02-22 20:28 - cdywan**

cdywan wrote:

tinita wrote:

We should probably try to switch to codecov-bash.

Do you think [codecov-bash](#) is better maintained? ☐☐ I didn't spot any recent fixes there that could help us.

Well, they apparently [have the same problems](#).

**#10 - 2021-02-23 04:06 - openqa\_review**

- Due date set to 2021-03-09

Setting due date based on mean cycle time of SUSE QE Tools

**#11 - 2021-02-24 08:55 - cdywan**

- Despite my earlier findings *codecov-bash* seems able to upload data successfully.
- Devel::Cover::Report::Codecovbash is not currently packaged so I used it via CPAN in my PR.

**#12 - 2021-02-24 11:31 - okurz**

Open points we can cover after the initial fix is merged:

- Use properly packaged dependencies
- Remove the explicit dependency for perl-JSON-MaybeXS
- Consider adding back coverage-html: coverage in Makefile to ensure coverage analysis is done when the report generation is triggered

**#13 - 2021-02-24 13:26 - cdywan**

okurz wrote:

Open points we can cover after the initial fix is merged:

- Use properly packaged dependencies
- Remove the explicit dependency for perl-JSON-MaybeXS

Looking into that atm, with some help from [tinita](#)

- Consider adding back coverage-html: coverage in Makefile to ensure coverage analysis is done when the report generation is triggered

As far as I can tell that target was unused. At least it didn't work for me locally. I would suggest that we prefer to maintain targets that we use in CI where possible.

**#14 - 2021-02-24 13:29 - okurz**

I would suggest that we prefer to maintain targets that we use in CI where possible.

As far as we can do that I consider this a good idea. But a local developer likely prefers an HTML report over codecov format for readability :)

**#15 - 2021-02-24 13:30 - okurz**

And now the problem is when I call manually I get:

```
$ make coverage-html
cover -select_re '^(lib|script|t)/' -report html_minimal
Can't open database /home/okurz/local/os-autoinst/openQA/cover_db
make: *** [Makefile:212: coverage-html] Error 2
```

**#16 - 2021-02-24 15:43 - cdywan**

cdywan wrote:

okurz wrote:

Open points we can cover after the initial fix is merged:

- Use properly packaged dependencies
- Remove the explicit dependency for perl-JSON-MaybeXS

Looking into that atm, with some help from [tinita](#)

See [SR#874893](#)

**#17 - 2021-02-24 15:44 - okurz**

- Priority changed from Urgent to Normal

great. Definitely you already tackled the "urgency" of the problem.

**#18 - 2021-02-24 18:16 - cdywan**

- *Description updated*

okurz wrote:

And now the problem is when I call manually I get:

```
$ make coverage-html
cover -select_re '^(lib|script|t)/' -report html_minimal
Can't open database /home/okurz/local/os-autoinst/openQA/cover_db
make: *** [Makefile:212: coverage-html] Error 2
```

<https://github.com/os-autoinst/openQA/pull/3753>

**#19 - 2021-03-03 14:38 - cdywan**

cdywan wrote:

See [SR#874893](#)

The SR got accepted, so we can probably swap out cpanm for rpm here: <https://github.com/os-autoinst/openQA/pull/3762>

**#20 - 2021-03-04 13:10 - cdywan**

- *Status changed from In Progress to Feedback*

Follow-up PR was merged and seems to be working fine so far...

**#21 - 2021-03-09 09:44 - cdywan**

- *Status changed from Feedback to Resolved*

No objections/ problems reported at this point