

## openQA Project - action #92497

### Perl test execution in os-autoinst runs successfully but then fails with error

2021-05-11 12:24 - VANASTASIADIS

<b>Status:</b>	Resolved	<b>Start date:</b>	2021-05-11
<b>Priority:</b>	Normal	<b>Due date:</b>	2021-06-02
<b>Assignee:</b>	VANASTASIADIS	<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

When running a single perl test (or a series of tests), following the steps described in <https://github.com/os-autoinst/os-autoinst#conducting-the-build>, the tests run as expected, but afterwards encounters the following error and exits:

```
Cannot detect source of '17-basetest.t'! at /usr/lib/perl5/5.26.1/TAP/Parser/IteratorFactory.pm line 261.
    TAP::Parser::IteratorFactory::detect_source(TAP::Parser::IteratorFactory=HASH(0x5563f4c92c20), TAP::Parser::Source=HASH(0x5563f4c92ab8)) called at /usr/lib/perl5/5.26.1/TAP/Parser/IteratorFactory.pm line 211
    TAP::Parser::IteratorFactory::make_iterator(TAP::Parser::IteratorFactory=HASH(0x5563f4c92c20), TAP::Parser::Source=HASH(0x5563f4c92ab8)) called at /usr/lib/perl5/5.26.1/TAP/Parser.pm line 472
    TAP::Parser::_initialize(TAP::Parser=HASH(0x5563f4c92818), HASH(0x5563f4a1dff0)) called at /usr/lib/perl5/5.26.1/TAP/Object.pm line 55
    TAP::Object::new("TAP::Parser", HASH(0x5563f4a1dff0)) called at /usr/lib/perl5/5.26.1/TAP/Object.pm line 130
    TAP::Object::_construct(TAP::Harness=HASH(0x5563f445fe50), "TAP::Parser", HASH(0x5563f4a1dff0)) called at /usr/lib/perl5/5.26.1/TAP/Harness.pm line 852
    TAP::Harness::make_parser(TAP::Harness=HASH(0x5563f445fe50), TAP::Parser::Scheduler::Job=HASH(0x5563f4c62df8)) called at /usr/lib/perl5/5.26.1/TAP/Harness.pm line 651
    TAP::Harness::_aggregate_single(TAP::Harness=HASH(0x5563f445fe50), TAP::Parser::Aggregator=HASH(0x5563f4900670), TAP::Parser::Scheduler=HASH(0x5563f4c62d98)) called at /usr/lib/perl5/5.26.1/TAP/Harness.pm line 743
    TAP::Harness::aggregate_tests(TAP::Harness=HASH(0x5563f445fe50), TAP::Parser::Aggregator=HASH(0x5563f4900670), "17-basetest.t") called at /usr/lib/perl5/5.26.1/TAP/Harness.pm line 558
    TAP::Harness::__ANON__() called at /usr/lib/perl5/5.26.1/TAP/Harness.pm line 571
    TAP::Harness::runtests(TAP::Harness=HASH(0x5563f445fe50), "17-basetest.t") called at /usr/lib/perl5/5.26.1/App/Prove.pm line 546
    App::Prove::_runtests(App::Prove=HASH(0x5563f44524e8), HASH(0x5563f48ee168), "17-basetest.t") called at /usr/lib/perl5/5.26.1/App/Prove.pm line 504
    App::Prove::run(App::Prove=HASH(0x5563f44524e8)) called at /usr/bin/prove line 13
make[3]: *** [CMakeFiles/test-perl-testsuite.dir/build.make:74: CMakeFiles/test-perl-testsuite] Error 2
make[2]: *** [CMakeFiles/Makefile2:540: CMakeFiles/test-perl-testsuite.dir/all] Error 2
make[1]: *** [CMakeFiles/Makefile2:547: CMakeFiles/test-perl-testsuite.dir/rule] Error 2
make: *** [Makefile:348: test-perl-testsuite] Error 2
```

### Steps to reproduce

- Navigate to your *build folder* for os-autoinst (i.e. where you ran cmake)
- run `make test-perl-testsuite TESTS="17-basetest.t`, replacing 17-basetest.t with any single test or group of tests contained in the `t/` directory

### Problem

H1. The problem seems to persist regardless of the test the user tries to run

H2. In the case of multiple tests, after all tests have completed, the error refers to the first test listed by the user in the make test-perl-testsuite TESTS="test1, test2 ... testN" command and exits

## Suggestion

Since this problem is unlikely to have existed for long without anyone noticing, it is probably a regression. Locating a commit that caused this behaviour could be a good start.

## Workaround

Running the tests will still produce all expected results, so no special action is needed

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## History

### #1 - 2021-05-11 12:28 - VANASTASIADIS

- Description updated

### #2 - 2021-05-11 12:37 - cdywan

- Description updated

- Status changed from New to Workable

As discussed in Rocket.Chat, I can reproduce the same with the latest master and different tests. So this must be a regression.

### #3 - 2021-05-17 12:01 - VANASTASIADIS

- Assignee set to VANASTASIADIS

### #4 - 2021-05-18 08:47 - VANASTASIADIS

- Status changed from Workable to In Progress

### #5 - 2021-05-18 16:42 - VANASTASIADIS

This error was introduced with commit <https://github.com/os-autoinst/os-autoinst/commit/090ad748b226d6322cea8e5029c3dde66f7675da> . It runs all tests in both t and xt directories, and the crash occurs when a test that is located in the t dir is executed while in the xt dir and vice versa.

My solution: split the testname arguments in 2 strings, one for tests in the t dir and one for tests in the xt dir, and run the appropriate tests in their respective dirs.

Since this commit dates to dec 2020, I'm surprised it went unnoticed for so long. The order of execution was t and then xt, so trying to execute any specific xt test with make test-perl-testsuite TESTS=<testnames> should result in an error.

- Related pr: <https://github.com/os-autoinst/os-autoinst/pull/1674>

### #6 - 2021-05-19 04:14 - openqa\_review

- Due date set to 2021-06-02

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

### #7 - 2021-05-28 14:15 - okurz

- Status changed from In Progress to Resolved

<https://github.com/os-autoinst/os-autoinst/pull/1674> merged. I can confirm that make test-perl-testsuite TESTS=t/01-test\_needle.t works now fine. Good job!

### #8 - 2021-05-28 14:44 - VANASTASIADIS

Thank you [okurz](#)! Glad to contribute.