

## Klever - Feature #9499

### Switch to new Clade API

02/23/2019 09:51 AM - Evgeny Novikov

<b>Status:</b>	Closed	<b>Start date:</b>	02/23/2019
<b>Priority:</b>	Urgent	<b>Due date:</b>	
<b>Assignee:</b>	Ilya Shchepetkov	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	3.0		
<b>Published in build:</b>			
<b>Description</b>			
Core components actively use Clade API that changed quite considerably recently. We need to switch to the new Clade API.			

#### History

##### #1 - 02/23/2019 10:55 AM - Evgeny Novikov

This feature was implemented in branch *clade-interface*. At the moment there are 2 issues:

1. CI detected that there are many failures for job "Testing decomposition strategies". Most likely in some specific places Klever still does not use the new Clade API properly.
2. A more generic issue is that we still have not a good approach for installing appropriate versions of Clade from PyPI. BTW, there is the same issue with BenchExec.

##### #2 - 02/23/2019 01:58 PM - Evgeny Novikov

One more issue that should be fixed before switching to the new Clade API: <https://github.com/17451k/clade/issues/61>.

##### #3 - 02/23/2019 02:06 PM - Evgeny Novikov

Evgeny Novikov wrote:

This feature was implemented in branch *clade-interface*. At the moment there are 2 issues:

1. CI detected that there are many failures for job "Testing decomposition strategies". Most likely in some specific places Klever still does not use the new Clade API properly.

The corresponding issue is <https://github.com/17451k/clade/issues/66>.

##### #4 - 02/23/2019 03:01 PM - Evgeny Novikov

Evgeny Novikov wrote:

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This feature was implemented in branch *clade-interface*. At the moment there are 2 issues:

1. CI detected that there are many failures for job "Testing decomposition strategies". Most likely in some specific places Klever still does not use the new Clade API properly.

The corresponding issue is <https://github.com/17451k/clade/issues/66>.

I fixed the issue, so, waits for an appropriate decision of a problem with Clade versions and a fix of <https://github.com/17451k/clade/issues/61>.

##### #5 - 02/25/2019 11:01 AM - Evgeny Novikov

In general, almost everything works at the moment. But I expect several related changes that can influence the Clade API. So, before switching to the new API, let's wait for this API to be rather stable. In particular, this assumes that there will be a new major version of Clade that we will be able to point out in our deployment configurations.

##### #6 - 03/15/2019 07:48 AM - Evgeny Novikov

With <https://github.com/17451k/clade/issues/75> we should change the way to store and to retrieve so called working source trees.

**#7 - 03/20/2019 08:35 AM - Evgeny Novikov**

Evgeny Novikov wrote:

With <https://github.com/17451k/clade/issues/75> we should change the way to store and to retrieve so called working source trees.

<https://github.com/17451k/clade/issues/83> is the right issue for that.

**#8 - 03/25/2019 03:44 PM - Evgeny Novikov**

Besides, we should check whether different variants of coverage work as before.

**#9 - 03/25/2019 04:57 PM - Evgeny Novikov**

Evgeny Novikov wrote:

Besides, we should check whether different variants of coverage work as before.

I don't see any issues related with code coverage under normal conditions. Let's fix particular bugs if so.

**#10 - 03/26/2019 08:06 AM - Evgeny Novikov**

- *Status changed from New to Resolved*

The branch is ready for merge. I am going to initiate its thorough testing.

**#11 - 03/26/2019 10:09 AM - Evgeny Novikov**

- *Status changed from Resolved to Open*

Numerous tests failed. But hopefully the reason seems to be the same.

**#12 - 03/26/2019 03:02 PM - Evgeny Novikov**

- *Status changed from Open to Closed*

After updating Clade from 3.0 to 3.0.1 all tests passed. So, I merged the branch to master in [583af12](#). Enjoy new Clade that includes great improvements.

There can be some troubles with updating existing instances of Klever. You should manually uninstall Python3 package *ldv-clade* before updating to the latest master. If you will forget about this, don't worry, you will be able to do this later, but also you may need to uninstall/install *clade==3.0.1* manually.

Moreover, I will delete *ldv-clade* from PyPI to avoid any ambiguities.