orphan:

Compile Tests

Topics

Overview

Compile tests check source files for valid syntax on all supported python versions:

- 2.4 (Ansible 2.3 only)
- 2.6
- 2.7
- 3.5
- 3.6
- 3.7
- 3.8
- 3.9

NOTE: In Ansible 2.4 and earlier the compile test was provided by a dedicated sub-command `ansible-test compile` instead of a sanity test using `ansible-test sanity --test compile`.

Running compile tests locally

Compile tests can be run across the whole code base by doing:

```
cd /path/to/ansible/source
source hacking/env-setup
ansible-test sanity --test compile
```

Against a single file by doing:

```
ansible-test sanity --test compile lineinfile
```

Or against a specific Python version by doing:

```
ansible-test sanity --test compile --python 2.7 lineinfile
```

For advanced usage see the help:

```
ansible-test sanity --help
```

Installing dependencies

`ansible-test` has a number of dependencies , for `compile` tests we suggest running the tests with `--local`, which is the default

The dependencies can be installed using the `--requirements` argument. For example:

```
ansible-test sanity --test compile --requirements lineinfile
```

The full list of requirements can be found at test/lib/ansible_test/_data/requirements. Requirements files are named after their respective commands. See also the constraints applicable to all commands.

Extending compile tests

If you believe changes are needed to the compile tests please add a comment on the Testing Working Group Agenda so it can be discussed.