



TRAVIS-CI.ORG

Tuesday, August 14, 12

- Thank everyone for coming

-

ABOUT ME

- Python Developer at G Adventures
- Twitter: @adammckerlie
- Everywhere else: silentlmezzo

“CODE NOT TESTED IS
BROKEN BY DESIGN”

JACOB KAPLAN-MOSS

Tuesday, August 14, 12

- Your code should have tests
- If it doesn't, go write some (even if it's testing to make sure the view returns 200)
- Allows you to be more confident about releases

WHAT IS TRAVIS-CI?

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- CI is just the continuous process of applying tests to your code. Jenkins (Hudson) is another popular CI tool.
- Anyone can play around with the source code, help improve it

WHAT IS TRAVIS-CI?

- Continuous Integration Testing

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WHAT IS TRAVIS-CI?

- Continuous Integration Testing
- Open Source

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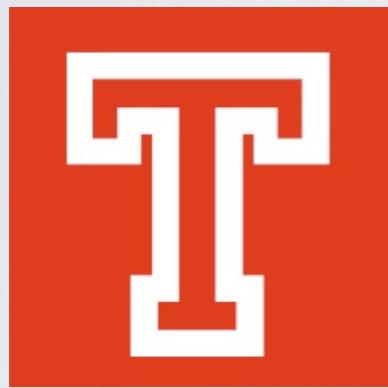
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WHAT IS TRAVIS-CI?

- Continuous Integration Testing
- Open Source
- <https://github.com/travis-ci>

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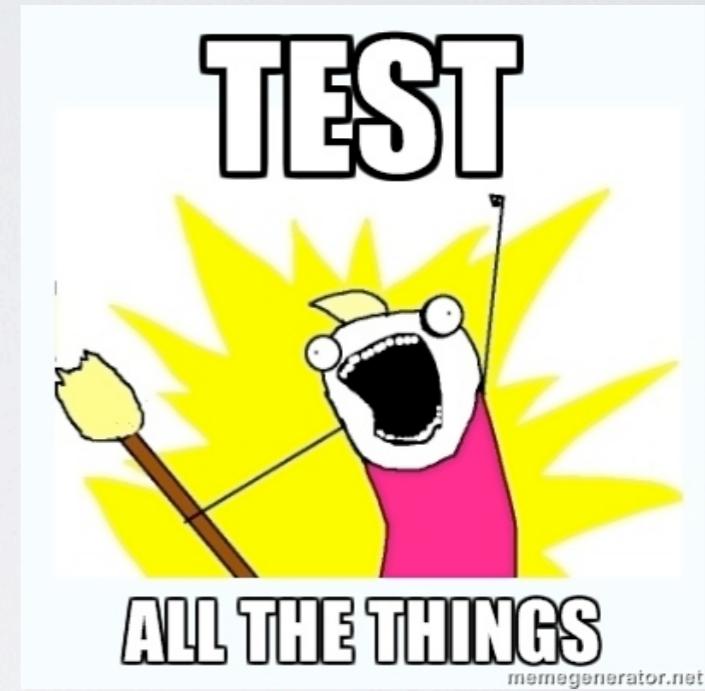
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I promise this is the only meme I'll use.

HOW DOES IT WORK?

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- Travis CI only tests Github Repositories
- Tests are currently only done on public repositories. Private repo's are in beta testing.
- Used to have to set up the service hooks in github. Now travis gives you a list of all of your repositories and you specify which ones you'd like to test.
- I'll go into the .travis.yml file later
- Develop your software like you normally would
- Tests run whenever you push your code

HOW DOES IT WORK?

- Sign up with your github account

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- ~~Setup github service hooks.~~ Specify repositories

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HOW DOES IT WORK?

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- ~~Setup github service hooks.~~ Specify repositories
- Include a .travis.yml file
- Change/commit/push code

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HOW DOES IT WORK?

- Sign up with your github account
- ~~Setup github service hooks.~~ Specify repositories
- Include a .travis.yml file
- Change/commit/push code
- Tests run automagically

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Accounts

Adam McKerlie

Repositories: 16

G Adventures

Repositories: 2

Adam McKerlie

Repositories Profile

Flick the switches below to turn on the Travis service hook for your projects, then push to GitHub.
To test against multiple rubies, see [how to configure custom build options](#).

Last synchronized from GitHub:

[Sync now](#)

silent1mezzo/django-announcement

 ON

silent1mezzo/DjangoHosting

 ON

silent1mezzo/django-launch

 OFF

silent1mezzo/django-maintenance-mode

 ON

silent1mezzo/django-pagination

 OFF

silent1mezzo/django-reversion

 OFF

silent1mezzo/django-shortnr

 ON

silent1mezzo/django-social-auth

 OFF

silent1mezzo/django-tictactoe

 OFF

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- Profile screen
- You can sync all of your repositories here.

.travis.yml

```
language: python

python:
  - "2.6"
  - "2.7"
  - "3.2"

# command to install dependencies
install:
  - pip install . --use-mirrors
  - pip install -r requirements.txt --use-mirrors

# command to run tests
script: python manage.py test
```

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- First you define the language you want. Some examples are: Ruby, PHP, Go, Javascript
- Then choose your python versions
- Install your requirements
 - First line will install your project using your setup.py file
 - Second line obviously installs your requirements
- Finally run your tests.
 - Can be manage.py test, nosetests, make tests or really any command

Environment Variables

```
language: python

python:
  - "2.6"
  - "2.7"
  - "3.2"

env:
  - DJANGO=1.3
  - DJANGO=1.4

# command to install dependencies
install:
  - pip install -q Django==$DJANGO --use-mirrors
  - pip install -q . --use-mirrors
  - pip install -q -r requirements.txt --use-mirrors

# command to run tests
script: python manage.py test
```

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- If you want to test specific versions of software you can add the env key
- This will create a matrix where each version of python with each specific version of Django (or any other software) will be tested.

Using Databases

```
language: python

python:
  - "2.6"
  - "2.7"
  - "3.2"

env:
  - DJANGO=1.3 DB=postgres
  - DJANGO=1.3 DB=mysql
  - DJANGO=1.4 DB=postgres
  - DJANGO=1.4 DB=mysql

# command to install dependencies
install:
  - pip install -q Django==$DJANGO --use-mirrors
  - pip install -q . --use-mirrors
  - pip install -q -r requirements.txt --use-mirrors

# command to run tests
script: python manage.py test
```

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- Works for databases as well
 - PostgreSQL, MySQL, sqlite3, MongoDB



Recent My Repositories

silent1mezzo/jeeves-framework #32
Duration: 2 min 16 sec, Finished: 18 days ago

silent1mezzo/jeeves-framework

A Python IRC Bot Framework. Easily create IRC bots with a single command

Current Build History Pull Requests Branch Summary

Build	32	Commit	fed11b2 (master)
Finished	18 days ago	Compare	096e079d6c6f...fed11b27927f
Duration	2 min 16 sec	Author	Adam McKerlie
Committer			Adam McKerlie

Message Putting .travis.yml back

Build Matrix

Job	Duration	Finished	Python
32.1	1 min 3 sec	18 days ago	2.6
32.2	1 min 13 sec	18 days ago	2.7

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Workers

jvm-otp1.worker.travis-ci.org
jvm-otp2.worker.travis-ci.org
ppp1.worker.travis-ci.org
ppp2.worker.travis-ci.org
ppp3.worker.travis-ci.org
rails1.worker.travis-ci.org
ruby1.worker.travis-ci.org
ruby2.worker.travis-ci.org
ruby3.worker.travis-ci.org
ruby4.worker.travis-ci.org
spree.worker.travis-ci.org

Queue: Common

resolve/refinerycms #2661.6
resolve/refinerycms #2661.7
resolve/refinerycms #2661.8
resolve/refinerycms #2661.9
resolve/refinerycms #2661.10

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- Application screen.
- Here you can see all of your builds (Build History)
- Pull Requests and branch summary.
- Gives you a lot of information about how your tests are going



Recent My Repositories

silent1mezzo/jeeves-framework #32

Duration: 2 min 16 sec, Finished: 18 days ago

Current Build History Pull Requests Branch Summary Build #22

Job #22.1 22.1 Commit 4efe138 (master)
Finished 4 months ago Compare e74433b...a5fc69e
Duration 42 sec Author Adam McKerlie
Committer Adam McKerlie
Message Merge pull request #20 from silent1mezzo/develop
Develop
Config Python: 2.5

Using worker: ppp1.worker.travis-ci.org:travis-php-3
\$ cd ~/builds
\$ git clone --depth=100 --quiet git://github.com/silent1mezzo/jeeves-framework.git silent1mezzo/jeeves-framework
\$ cd silent1mezzo/jeeves-framework

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Workers

jvm-otp1.worker.travis-ci.org
jvm-otp2.worker.travis-ci.org
ppp1.worker.travis-ci.org
ppp2.worker.travis-ci.org
ppp3.worker.travis-ci.org
rails1.worker.travis-ci.org
ruby1.worker.travis-ci.org
ruby2.worker.travis-ci.org
ruby3.worker.travis-ci.org
ruby4.worker.travis-ci.org
spree.worker.travis-ci.org

Queue: Common

resolve/refinerycms #2661.3
resolve/refinerycms #2661.4
resolve/refinerycms #2661.5
resolve/refinerycms #2661.6
resolve/refinerycms #2661.7

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- Here's an individual build.
- Gives you the status, the duration, who wrote the code and committed it.
- Gives you a dump of the commands and output of your tests

before/after_script

```
...  
before_script: some_command  
after_script: another_command  
...
```

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- These keys are used to specify any commands that you want to run before/after travis-ci runs your tests
- Can be anything from setting up databases, running reports on tests, git hooks, etc...

NOTIFICATIONS

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Email Notifications

```
language: python

python:
  - "2.6"

# command to install dependencies
install:
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  - pip install -q -r requirements.txt --use-mirrors

# command to run tests
script: python manage.py test

notifications:
  email:
    recipients:
      - example@example.org
      - another.test@email.com
    on_success: [always|never|change]
    on_failure: [always|never|change]
```

IRC Notifications

```
language: python

python:
  - "2.6"

# command to install dependencies
install:
  - pip install -q . --use-mirrors
  - pip install -q -r requirements.txt --use-mirrors

# command to run tests
script: python manage.py test

notifications:
  irc:
    channels:
      - "irc.freenode.net#django-toronto"
    on_success: [always|never|change]
    on_failure: [always|never|change]
```

Webhook Notifications

```
language: python

python:
  - "2.6"

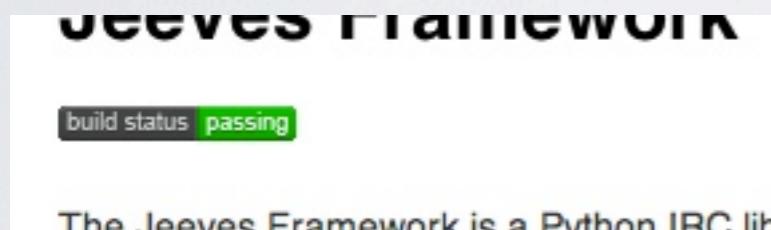
# command to install dependencies
install:
  - pip install -q . --use-mirrors
  - pip install -q -r requirements.txt --use-mirrors

# command to run tests
script: python manage.py test

notifications:
  webhooks: your-domain.com/travisci
```

FINAL TIPS

- [ci skip]
- [https://secure.travis-ci.org/\[YOUR_GITHUB_USERNAME\]/\[YOUR_PROJECT_NAME\].png](https://secure.travis-ci.org/[YOUR_GITHUB_USERNAME]/[YOUR_PROJECT_NAME].png)



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- adding ci skip to a commit will tell Travis-CI to skip the tests for that commit
- This link shows whether your test are passing or not

QUESTIONS?

[slideshare.net/silentlmezzo/travis-ci-and-django](https://www.slideshare.net/silentlmezzo/travis-ci-and-django)