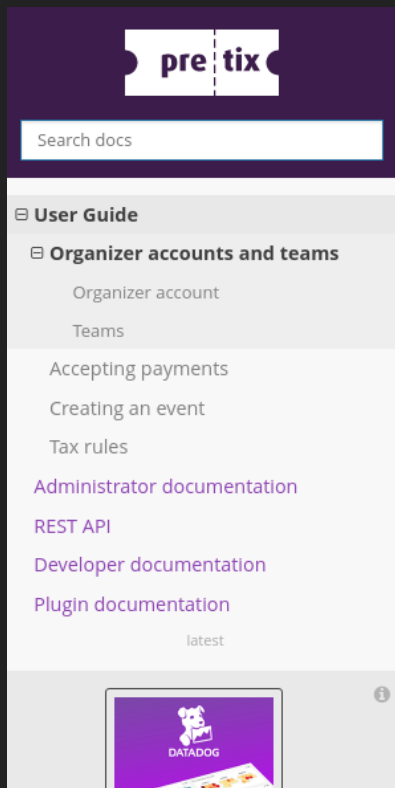


AUTOMATIC SCREENSHOTTING

with Python, Django, py.test, and Selenium

RAPHAEL MICHEL

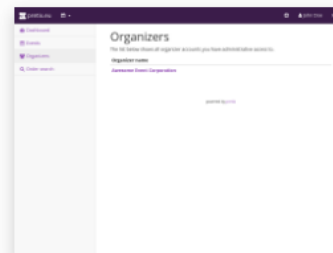
MOTIVATION



The basis of all your operations within pretix is your organizer account. It represents an entity that is running events, for example a company, yourself or any other institution. Every event belongs to one organizer account and events within the same organizer account are assumed to belong together in some sense, whereas events in different organizer accounts are completely isolated.

If you want to use the hosted pretix service, you can create an organizer account on our [Get started](#) page. Otherwise, ask your pretix administrator for access to an organizer account.

You can find out all organizer accounts you have access to by going to your global dashboard (click on the pretix logo in the top-left corner) and then select "Organizers" from the navigation bar on the left side. Then, choose one of the organizer accounts presented, if there are multiple of them:



This overview shows you all event that belong to the organizer and you have access to:

INGREDIENTS

SELENIUM

a remote control for your browser

CHROME HEADLESS

```
$ chrome --headless
```

PY.TEST

```
# content of test_sample.py
def inc(x):
    return x + 1

def test_answer():
    assert inc(3) == 5
```

```
$ py.test
===== test session starts =====
collected 1 item

test_sample.py F

===== FAILURES =====
_____ test_answer _____
...
test_sample.py:5: AssertionError
===== 1 failed in 0.12 seconds =====
```

PY.TEST FIXTURES

```
import pytest

@pytest.fixture
def smtp():
    import smtplib
    return smtplib.SMTP("smtp.gmail.com", 587, timeout=5)

def test_ehlo(smtp):
    response, msg = smtp.ehlo()
    assert response == 250
    assert 0 # for demo purposes
```

DJANGO

pytest-django
LiveServerTestCase

LET'S SET IT UP!

PYTEST.INI

```
[pytest]
DJANGO_SETTINGS_MODULE=pretix.testutils.settings
python_functions = shot_*
python_files = scene_*
python_classes = *Scene
addopts =--driver Chrome
```

SCENES/CONFTEST.PY

```
@pytest.fixture
def user():
    return User.objects.create_user(
        'john@example.org', 'john',
        fullname='John Doe'
    )
```

SCENES/CONFTEST.PY

```
@pytest.fixture
def logged_in_client(live_server, selenium, user):
    selenium.get(live_server.url + '/control/login')
    selenium.implicitly_wait(10)

    # Fill out name and password
    # Click button
    return selenium
```

SCENES/CONFTEST.PY

```
@pytest.fixture
def chrome_options(chrome_options):
    chrome_options.add_argument('headless')
    chrome_options.add_argument('window-size=1024x768')
```

AAAND... ACTION!

SCENES/SCENE_ORGA.PY

```
@pytest.mark.django_db
def shot_organizer_list(live_server, organizer,
                        logged_in_client):
    logged_in_client.get(
        live_server.url + '/control/organizers/'
    )
    screenshot(logged_in_client, 'organizer/list.png')
```

RUN IT

```
$ py.test scenes
...
Results (45.80s):
    9 passed
```


TADA!

The screenshot shows a web application interface with a dark purple header. The header contains the URL 'pretix.eu' on the left and a user profile 'John Doe' on the right. A sidebar on the left lists navigation options: 'Dashboard', 'Events', 'Organizers' (highlighted), and 'Order search'. The main content area is titled 'Organizers' and contains the text 'The list below shows all organizer accounts you have administrative access to.' Below this is a table with one row containing the text 'Awesome Event Corporation'. At the bottom of the page, there is a small text element 'powered by pretix'.

pretix.eu

John Doe

- Dashboard
- Events
- Organizers
- Order search

Organizers

The list below shows all organizer accounts you have administrative access to.

Organizer name
Awesome Event Corporation

powered by pretix

 pretix/pretix-screenshots

CONTACT ME!



Raphael Michel

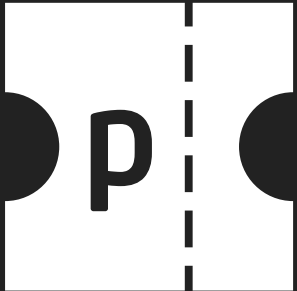
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django **con**

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