Selbst loslegen in nur 5 Minuten!

Schnelle und einfache

Browser Tests

mit CodeCeption und Docker

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LG

Was sind Browser Test

Was sind Browser Test

docker-compose.yml (1/2)

```yaml
version: '3.5'

networks:
  frontend:

services:
  codeception:
    image: ambimax/php7.0-cli-stretch:7.0.31
    entrypoint: codecept
    working_dir: /var/www
    volumes:
      - "${PWD}:/var/www"
    networks:
      - frontend
```

docker-compose.yml (2/3)

```
#services:
  zalenium:
    image: "dosel/zalenium"
    privileged: true
    tty: true
    volumes:
      - /tmp/videos:/home/seluser/videos
      - /var/run/docker.sock:/var/run/docker.sock
      - /usr/local/bin/docker:/usr/bin/docker
    expose:
      - 5555
    ports:
      - 4444:4444
    command: >
      start --screenWidth 1930 --screenHeight 1090
            --timeZone "Europe/Berlin"
            --videoRecordingEnabled true
            --sauceLabsEnabled false
            --browserStackEnabled false
            --testingBotEnabled false
            --startTunnel false
    networks:
      frontend:
        aliases:
          - zalenium.docker
```

Start Zalenium

```
docker-compose up -d
```

Bootstrap CodeCeption

```
docker-compose run codeception bootstrap
```

tests/acceptance.suite.yml

```yaml
actor: AcceptanceTester
modules:
  enabled:
    - WebDriver:
        url: 'https://www.ambimax.de'
        host: zalenium.docker
        port: 4444
        browser: chrome
        window_size: 1024x768
    - \Helper\Acceptance
```

Testvorlage (Cest) generieren

```
docker-compose run codeception generate:cest acceptance Home
```

Generierte Cest-Testvorlage in tests/acceptance/HomeCest.php

```php
<?php

class HomeCest
{
    public function _before(AcceptanceTester $I)
    {
    }

    public function _after(AcceptanceTester $I)
    {
    }

    // tests
    public function tryToTest(AcceptanceTester $I)
    {
    }
}
```

Schreiben eines ersten Tests in tests/acceptance/HomeCest.php

```php
// tests
public function tryToTest(AcceptanceTester $I)
{
    $I->wantTo('test our homepage');
    $I->lookForwardTo('see our slogan');
    $I->amOnPage('/');
    $I->see('Wir machen Digitalisierung.');
}
```

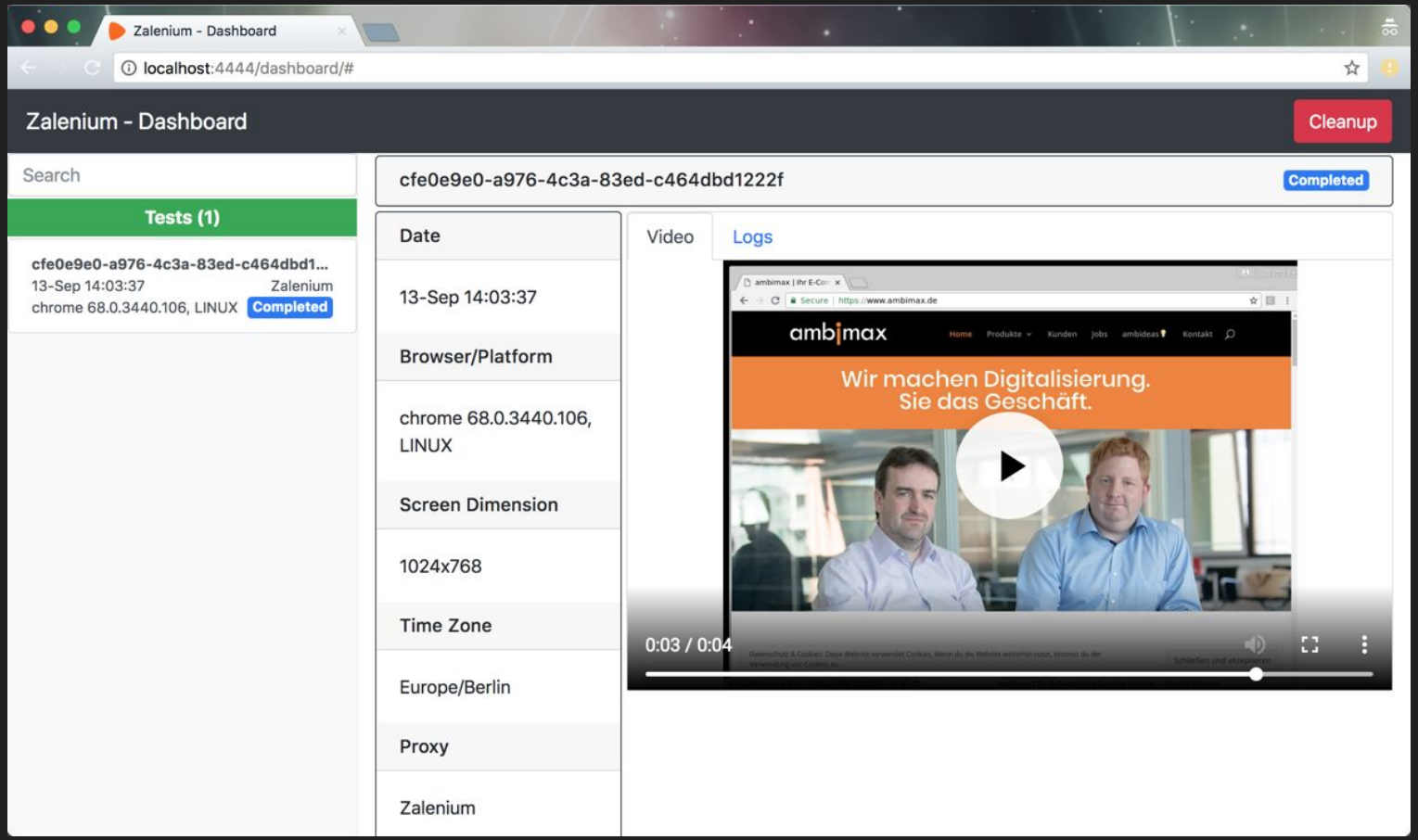
Acceptance-Tests starten

```
docker-compose run codeception run acceptance
```

Testergebnis

```
Codeception PHP Testing Framework v2.4.6

Powered by PHPUnit 6.5.9 by Sebastian Bergmann and contributors.


Acceptance Tests (1) ------------------------------------
✔ HomeCest: Test our homepage (1.71s)
---------------------------------------------------------

Time: 3.69 seconds, Memory: 10.00MB

OK (1 test, 1 assertion)
```

Tests als Video anschauen



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Acceptance-Tests starten

```
docker-compose run codeception \
  generate:cest acceptance GoogleTest
```

Google Suche in tests/acceptance/GoogleSearchCest.php

```php
// tests
public function tryToTest(AcceptanceTester $I)
{
    $I->wantToTest('search for ambimax');
    $I->amOnUrl('https://www.google.de');
    $I->seeElement('input[name=q]');
    $I->fillField('input[name=q]', 'ambimax');
    $I->pressKey('input[name=q]',WebDriverKeys::ENTER);
    $I->see('www.ambimax.de');
    $I->see('ambimax® GmbH');
    $I->see('Konrad-Zuse-Str.');
}
```

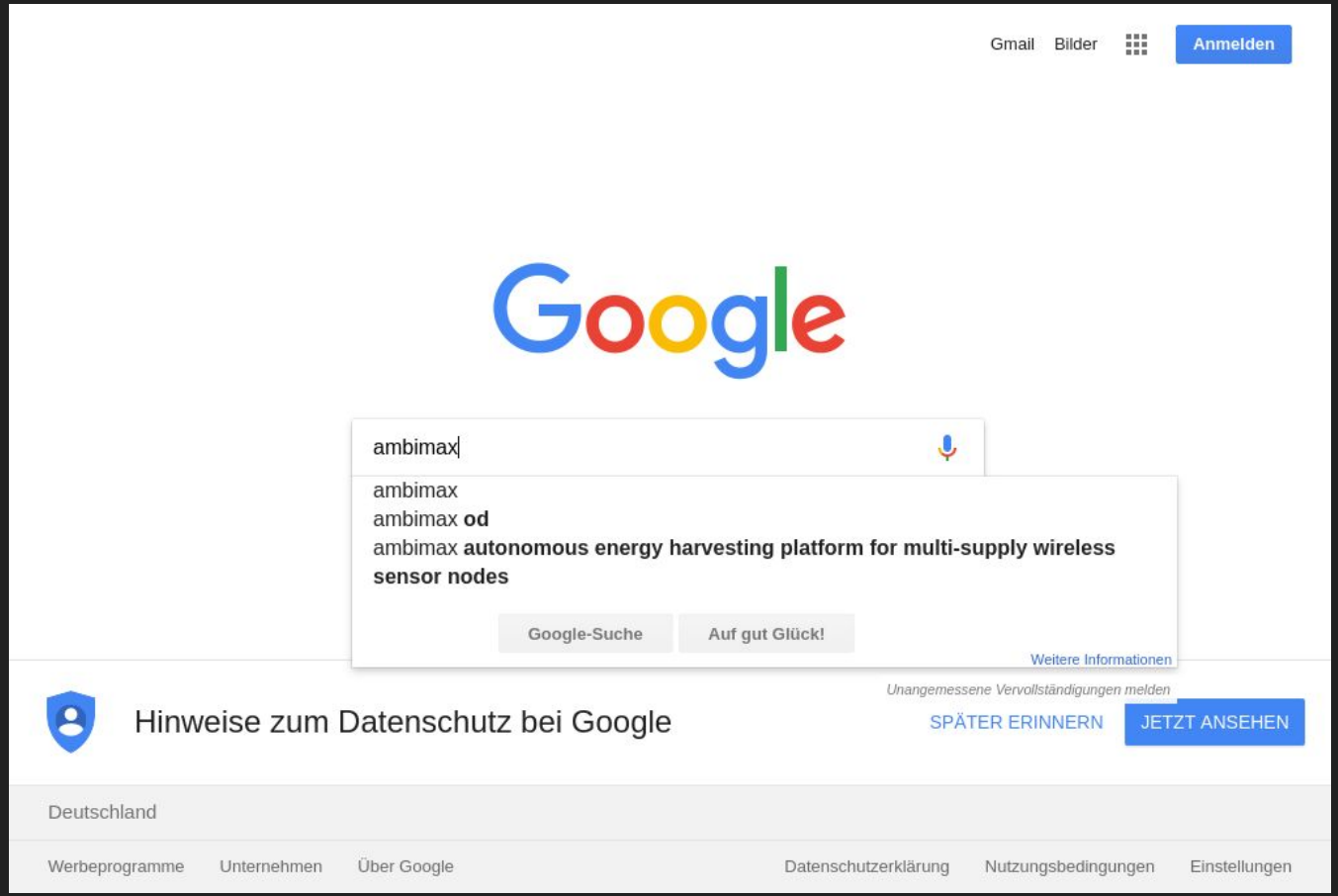
Nur einen bestimmten Acceptance-Tests starten

```
docker-compose run codeception run acceptance GoogleTestCest
```

Testergebnis

```
Codeception PHP Testing Framework v2.4.6

Powered by PHPUnit 6.5.9 by Sebastian Bergmann and contributors.


Acceptance Tests (1) ------------------------------------
✔ GoogleTestCest: Test search for ambimax (2.69s)
---------------------------------------------------------

Time: 4.3 seconds, Memory: 10.00MB

OK (1 test, 1 assertion)
```

Automatischer Screenshot bei Fehlern in tests/_output



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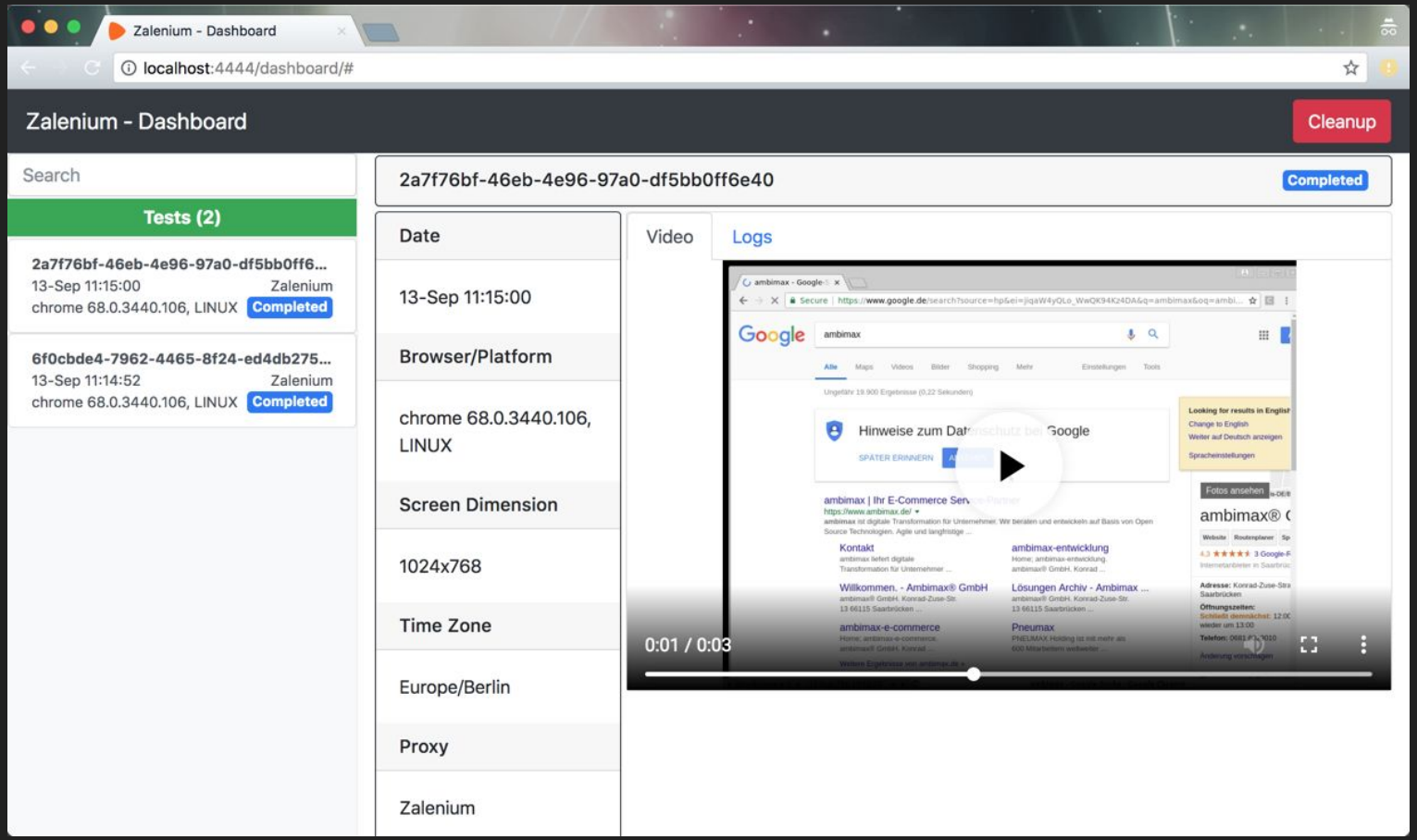
Tests als Video anschauen



Tipp: PageObjects zur Vereinfachung von Layout-Änderungen

```php
<?php
class TodoTaskPage {
    const URL = '/tasks';

    static $addButton = 'Add';
    static $newField = 'New Task';
    static $list = '#tasks';
}
```

Tipp: PageObjects zur Vereinfachung von Layout-Änderungen

```
$I->wantTo('create todo task');
$I->amOnPage(TodoTaskPage::URL);
$I->fillField(TodoTaskPage::$newField,'Update a blog');
$I->click(TodoTaskPage::$addButton);
$I->see('Update a blog', TodoTaskPage::$list);
```

Den Quellcode findest du auf Github!

github.com/ambimax/presentation-codeception

Bitte gebt mir Feedback!

twitter.com/tschifftner
github.com/tschifftner

Sagt doch mal

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