

Selbst loslegen in
nur 5 Minuten!

Schnelle und einfache

Browser Tests

mit CodeCeption und Docker

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ambimax® GmbH

ambimax



Was sind Browser Test



Was sind Browser Test



docker-compose.yml (1/2)

```
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

# requirement for zalenium
selenium:
  image: elgalu/selenium
```

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
```

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


tests/acceptance.suite.yml

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

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

```
// 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 → localhost:4444/dashboard

Zalenium - Dashboard

localhost:4444/dashboard/#

Cleanup

Search

Tests (1)

cfe0e9e0-a976-4c3a-83ed-c464dbd1...

13-Sep 14:03:37

Zalenium

chrome 68.0.3440.106, LINUX

Completed

cfe0e9e0-a976-4c3a-83ed-c464dbd1222f

Completed

Date

13-Sep 14:03:37

Browser/Platform

chrome 68.0.3440.106,
LINUX

Screen Dimension

1024x768

Time Zone

Europe/Berlin

Proxy

Zalenium

Video

Logs

ambimax | Ihr E-Com...

Secure | https://www.ambimax.de

ambimax

Home Produkte Kunden jobs ambideas Kontakt

Wir machen Digitalisierung.
Sie das Geschäft.

0:03 / 0:04

Schließen und abbrechen

Acceptance-Tests starten

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



```
// 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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ambimax **autonomous energy harvesting platform for multi-supply wireless sensor nodes**

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Tests als Video anschauen

Zalenium - Dashboard

localhost:4444/dashboard/#

Zalenium - Dashboard

Cleanup

Search

Tests (2)

2a7f76bf-46eb-4e96-97a0-df5bb0ff6...
13-Sep 11:15:00
chrome 68.0.3440.106, LINUX
Zalenium
Completed

6f0cbde4-7962-4465-8f24-ed4db275...
13-Sep 11:14:52
chrome 68.0.3440.106, LINUX
Zalenium
Completed

2a7f76bf-46eb-4e96-97a0-df5bb0ff640

Completed

Date

13-Sep 11:15:00

Browser/Platform

chrome 68.0.3440.106,
LINUX

Screen Dimension

1024x768

Time Zone

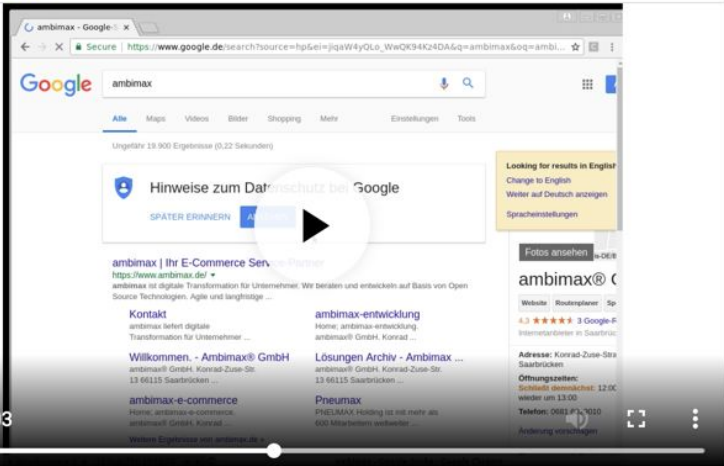
Europe/Berlin

Proxy

Zalenium

Video

Logs



The video player shows a Google search results page for 'ambimax'. A large play button is overlaid on the center of the video frame. The search results include a snippet about 'ambimax | Ihr E-Commerce Service-Partner' and several links to 'ambimax-entwicklung', 'ambimax-e-commerce', and 'Pneumax'. The video player controls at the bottom show a progress bar at 0:01 / 0:03.

Tipp: PageObjects zur Vereinfachung von Layout-Änderungen

```
<?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
hallo @
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