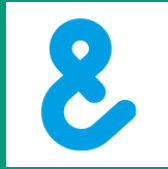


# Automated Testing

of Web Analytics with CasperJS



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@cataLuc



Male human (36)  
Internet (20)  
Etnetera (11)  
Analytics (8)  
Father (4)  
MC Organizer (3)  
Double father (2)

\*) as of 24.3.2018



# Why should I bother?

**Because developers tend to...**

**...misunderstand our requirements**

**...break things<sup>\*)</sup>**

**\*) 80% time debugging, 20% time creating bugs**

# Prerequisites

**Python 2.6+**

**PhantomJS 1.9.1+ (or SlimmerJS)**

**Environment Variables (PATH)**

**Node JS/NPM**

**CasperJS**

**Level: Beginner**

# What do we test?

**Existence of Data Layer  
Attribute Values on Page Load**

**Level: Intermediate**

# What do we test?

**Simulation of User Behavior**  
**Updated Attribute Values after Events**



**Level: Advanced**

# What do we test?

**Correct Query Parameter values in the  
respective Analytics Beacons**

# Side-effects and Tips

# Don't corrupt your data

## Google Analytics Bot Filtering Applies

Default page [?](#) optional

Exclude URL Query Parameters optional

Currency displayed as [?](#)

Czech Koruna (CZK CZK) ▾

**Bot Filtering**

Exclude all hits from known bots and spiders

# Get through Basic Auth on pre-PROD

```
casper.start();  
casper.setHttpAuth('username', 'password');  
casper.thenOpen('https://...', function() {...
```

# Bypass Bot Detection

```
casper.options.viewportSize={width: 1920, height: 1080};
casper.start();
casper.userAgent('Mozilla/5.0 ...');
casper.thenOpen('https://...', {
  method: 'get',
  headers: {
    'X-Good-Bot': 'I promise'
  }}, function() {
```

# What's next

**Using this within Continuous Integration  
Automate test definition from the  
documentation**

**Start Testing ~~Today!~~  
~~Tomorrow!~~  
Soon!**

**...and follow me here  
[@cataLuc](#)**