

Hurl, API testing in plain text

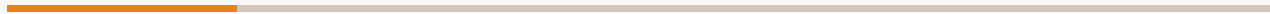
About me

- Married
- I code, I read and I play Handball
- Living in Baselland

About me

- Optravis LLC
- Rust Basel
- Fullstack, lately with Rust + HTMX

Hurl



Hurl

- Orange - Open Source
- Apache License - Version 2.0
- Written in Rust
- Depends on and lives off libcurl

Hurl

Main Maintainers:

- <https://github.com/lepapareil>
- <https://github.com/fabricereix>
- <https://github.com/jcamiel>

Written in Rust, depends on and lives off libcurl

Files



felix_json.hurl

```
GET {{target}}/api/cats
```

```
HTTP 200
```

```
[Asserts]
```

```
jsonpath "$.cats[0].name" == "Felix"
```


felix_html.hurl

```
GET {{target}}
```

```
HTTP 200
```

```
Content-Type: text/html; charset=UTF-8
```

```
[Asserts]
```

```
xpath "string(/html/head/title)" contains "Felix"
```

garfield_color.hurl

```
GET {{target}}
```

```
HTTP 200
```

```
[Captures]
```

```
cat-id: xpath "normalize-space(//div[@id='cat0'])"
```

```
GET {{target}}/api/cats/{{cat-id}}
```

```
HTTP 200
```

```
[Asserts]
```

```
jsonpath "$.color" == "orange"
```

Commands

Command

```
hurl felix.hurl --variable target=localhost:9090 --test
```

Command - expl.

```
curl someDir/**/*.hurl --variable target=localhost:9090 --test
```

Command - templating - var file

```
curl someDir/**/*.hurl --variables-file my_vars --test
```

—

my_vars file

target=localhost:9090

foo=bar

Command - templating - env var

```
export HURL_somevar=somevalue
```

```
curl someDir/**/*.hurl --variables-file my_vars --test
```

Command - report

```
hurl felix.hurl my_vars --test --html-report .
```


Ideas for a setup

Setup - wait for healthy - ht/health.hurl

```
GET {{target}}/api/healthz
```

```
HTTP 200
```

```
[Asserts]
```

—

```
hurl ht/health.hurl --retry 60 --delay 1000 /  
  --variables-file ht/hurl.env /  
  --test /  
  --jobs 1
```

Setup - asserting tests - ht/foo.hurl

```
GET {{target}}/api/foo
```

```
Authorization: {{token}}
```

```
HTTP 200
```

```
[Asserts]
```

```
jsonpath "$.important_property" contains "test_string"
```

—

```
hurl ht/*.hurl --variables-file ht/hurl.env /
```

```
--test /
```

```
--jobs 1
```

Setup - env file - ht/hurl.env

```
token=eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJz.....  
target=localhost:9090
```

Small Showcase

Showcase

[htmx-workshop-meetup-10](#)