WireMock 101

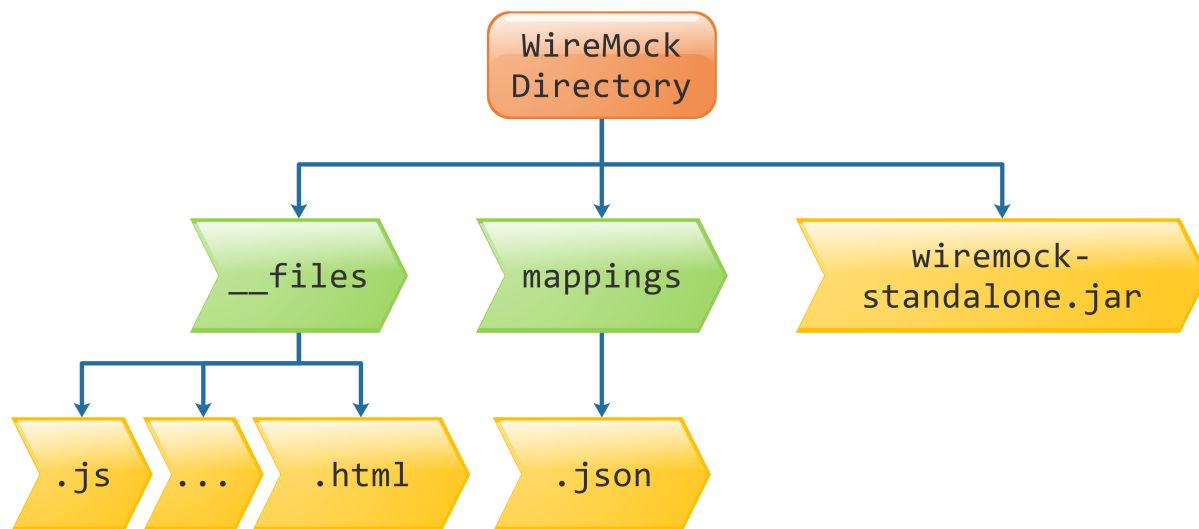WireMock is a simulator for HTTP-based APIs.

It enables you to **stay productive** when an API you depend on **does not exist** or not complete.

We use WireMock standalone jar as startup in this post. Download the jar file from http://wiremock.org, the last version is `2.17.0`, run the WireMock process via command `java -jar wiremock-standalone-2.17.0.jar`.

There are several commond line options such set the port number, refer at [Running as a Standalone Process](#).

WireMock Folder

- `__files`
  Html, js, css, picture files.
- `mappings`
  Json files.

Put a json file with below content into the `mappings` folder.

```
{
    "request": {
        "method": "GET",
        "url": "/api/mytest"
    },
    "response": {
        "status": 200,
        "body": "More content\n"
    }
}
```
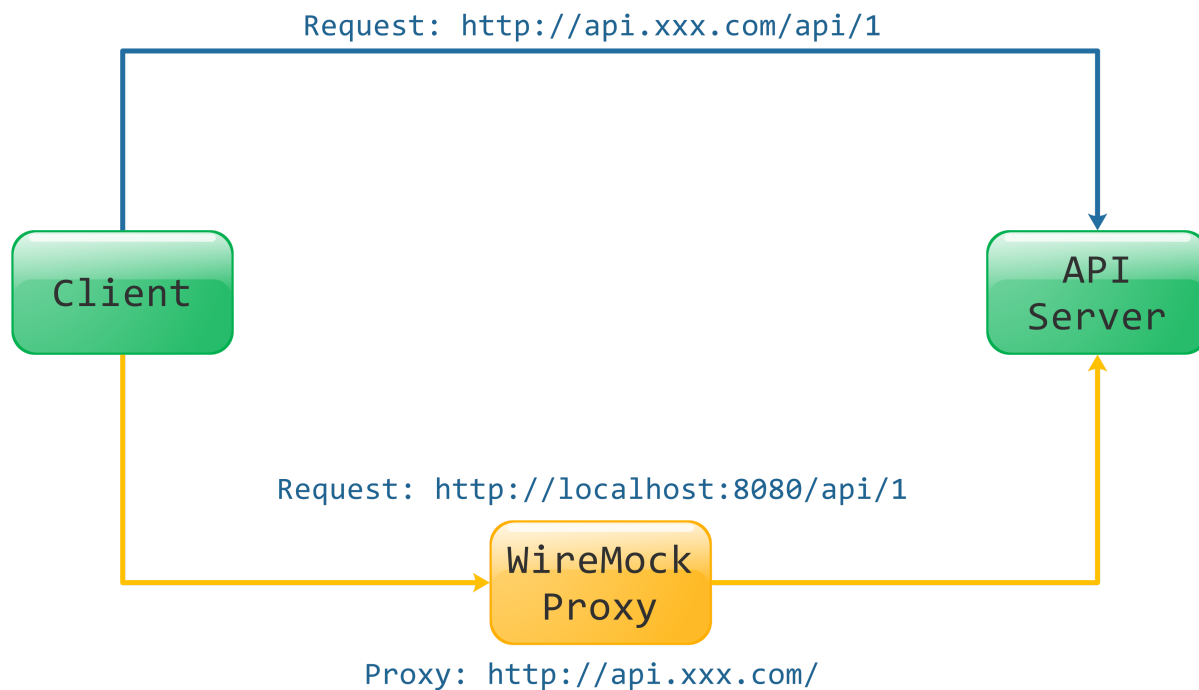
And try to fetch the API via `GET`:
`http://localhost:8080/api/mytest`

Record && Playback

We use the douban API to fetch online movie for test:
https://api.douban.com/v2/movie/in_theaters

Request: http://api.xxx.com/api/1

```
Client                                           API
                                                Server
```

Request: http://localhost:8080/api/1

```
                  WireMock
                   Proxy
```

Proxy: http://api.xxx.com/

Record

- Web Recoder
  http://localhost:8080/__admin/recorder
  Fill into the root proxy domain: https://api.douban.com
  Then make a request through WireMock to the target API via GET:
  http://localhost:8080/v2/movie/in_theaters

- Command Line Tool
  Use command line instead of Web GUI:
  java -jar wiremock-standalone-2.17.0.jar --proxy-all="https://api.douban.com" --record-mappings --verbose

Playback

After Record, there will have a file with name v2_movie_in_theaters-xxxxxx.json in the mappings folder.

Disable network and try to fetch:
http://localhost:8080/v2/movie/in_theaters

Thanks!