Ma davvero Laravel può girare dentro NodeJS?

Cosa è Node.JS

- Runtime Javascript
- Non blocking operations
- V8 + OS bindings for I/O (Network, storage, etc…)

No single language is the best at everything.
Every system is a collection of different problems.

...

Google "every system is a collection of different problems"

AI Mode Tutti Immagini Video Video brevi Notizie Web Altro Strumenti

La ricerca di - **"every system is a collection of different problems"** - non ha prodotto risultati in nessun documento.

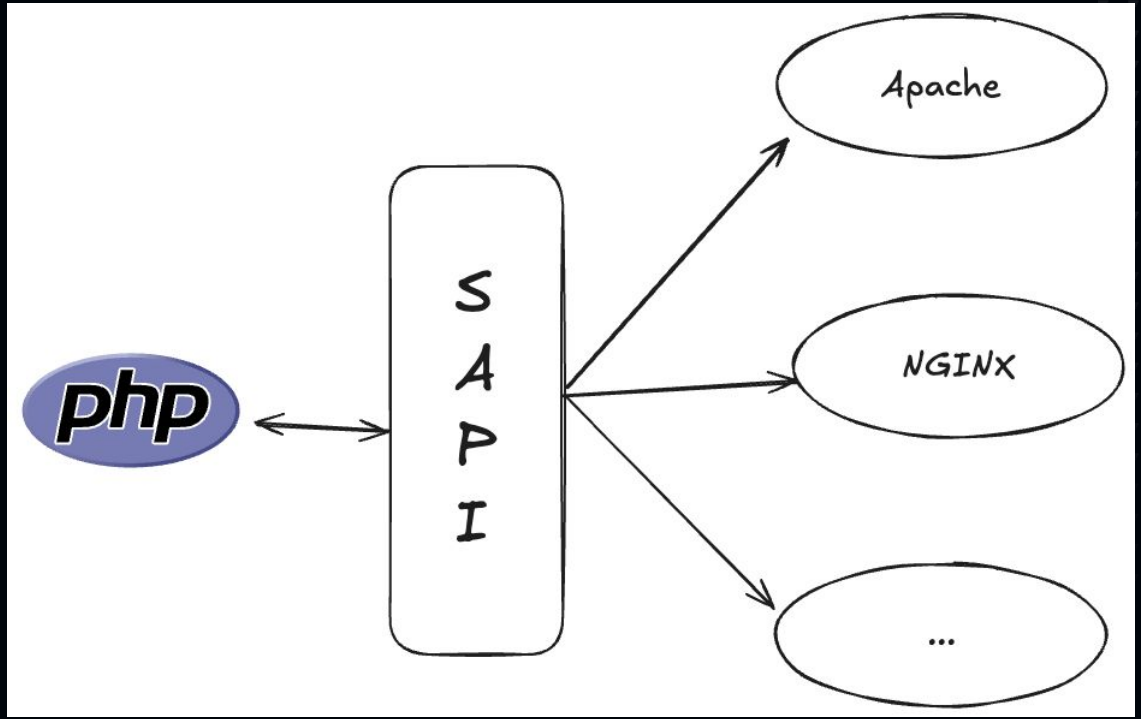
Suggerimenti:

- Assicurarsi che tutte le parole siano state digitate correttamente.
- Provare con parole chiave diverse.
- Provare con parole chiave più generiche.

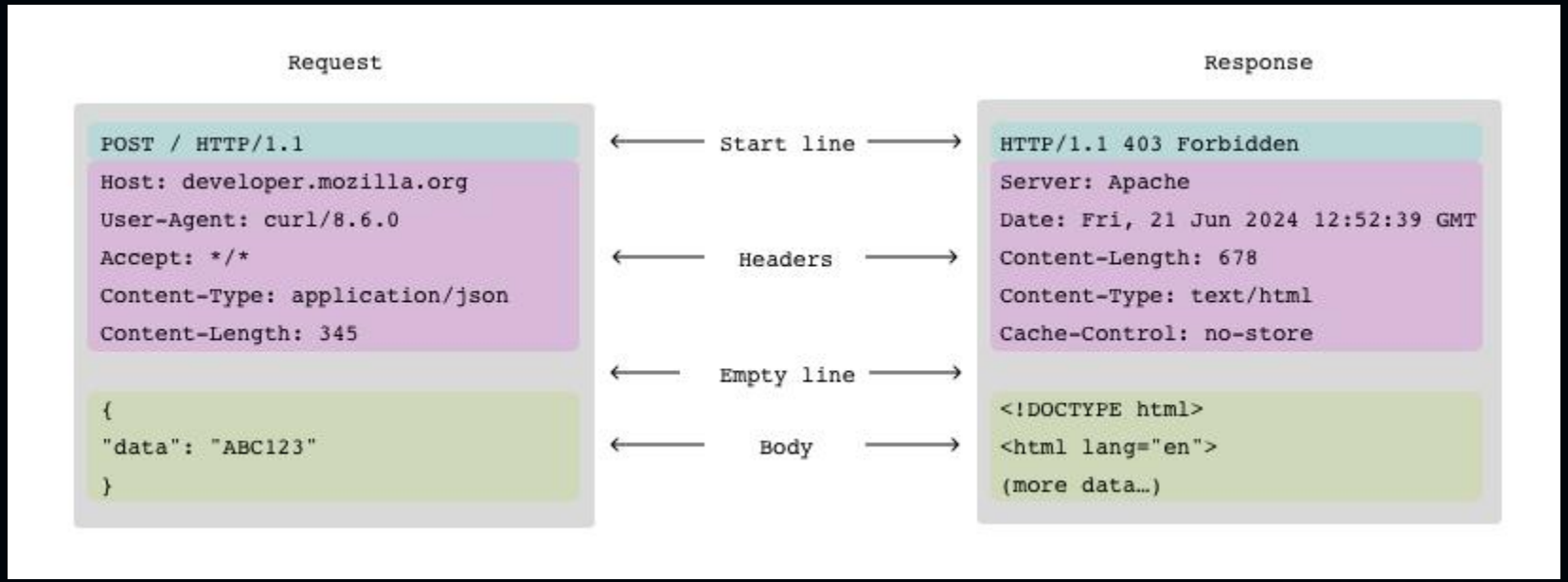
Cosa vedremo

- PHP Internals: SAPI
- Laravel Internals: Request Cycle
- Watt

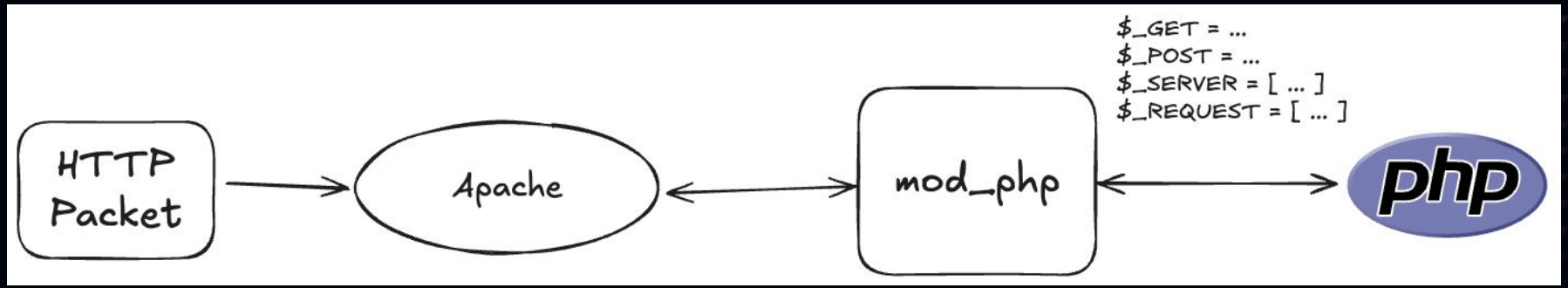
PHP SAPI (Server [Abstraction] API)



PHP SAPI (Server API)



PHP SAPI (Server API)



CODE TIME!!

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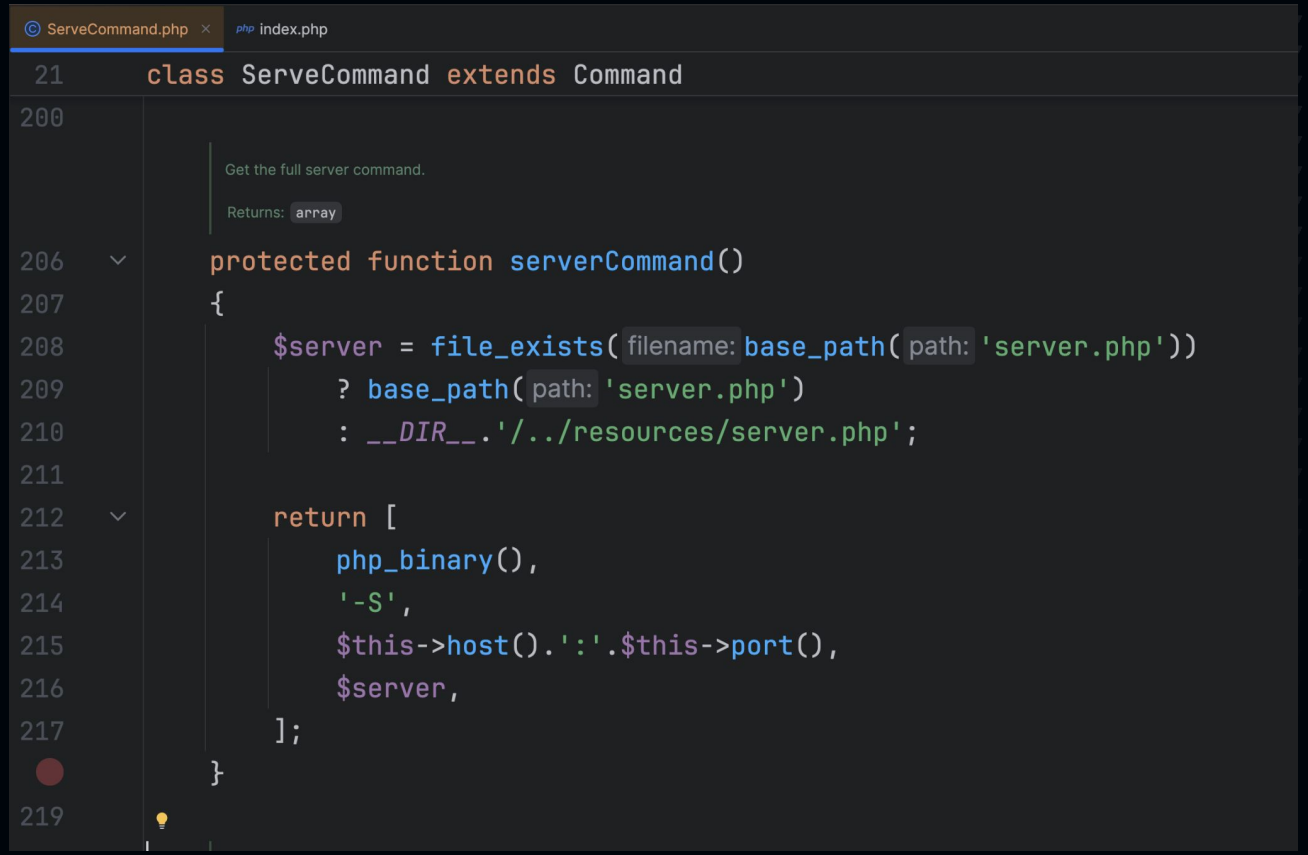
Laravel Entrypoint

```
$ php artisan serve
```

Laravel Entrypoint

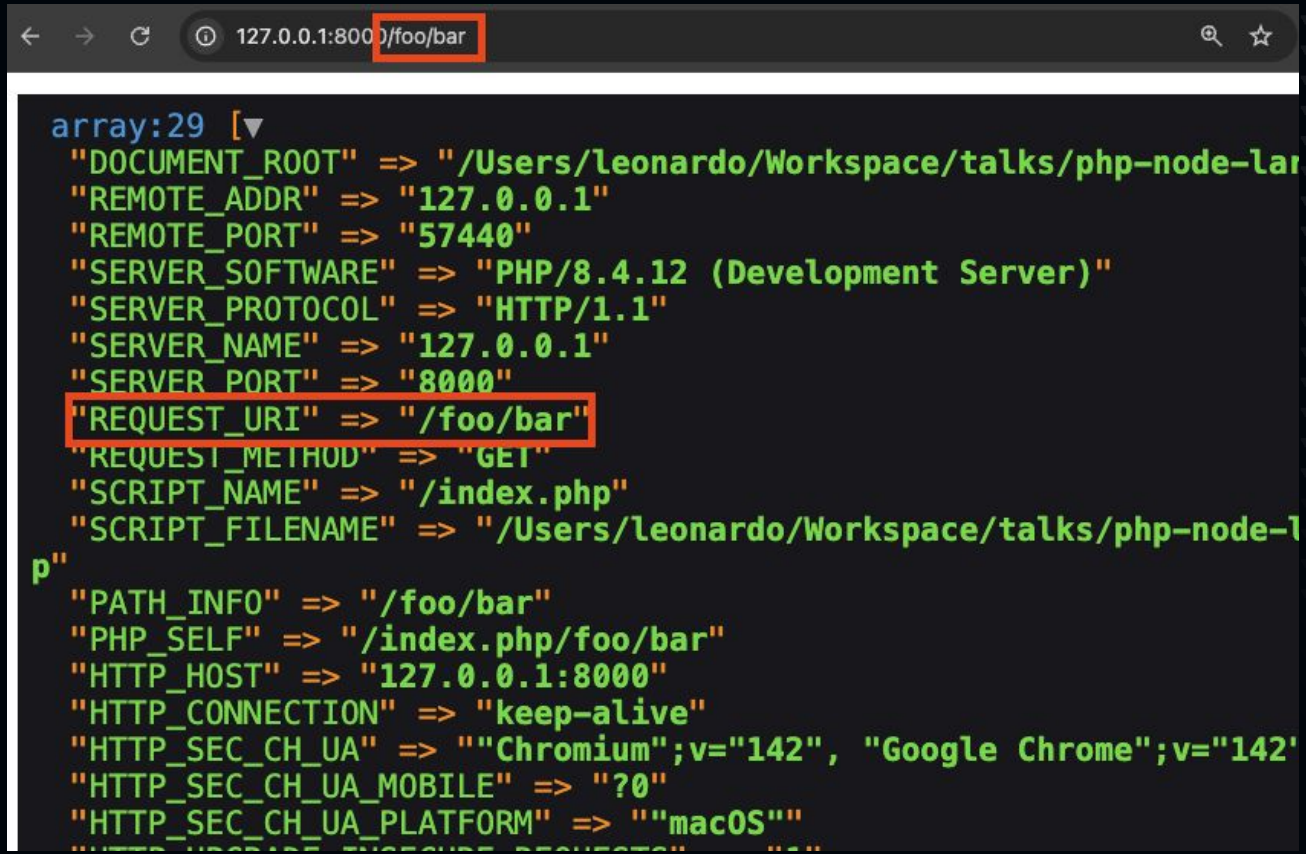


Laravel Entrypoint

~/Workspace/talks/php-node-laravel/laravel

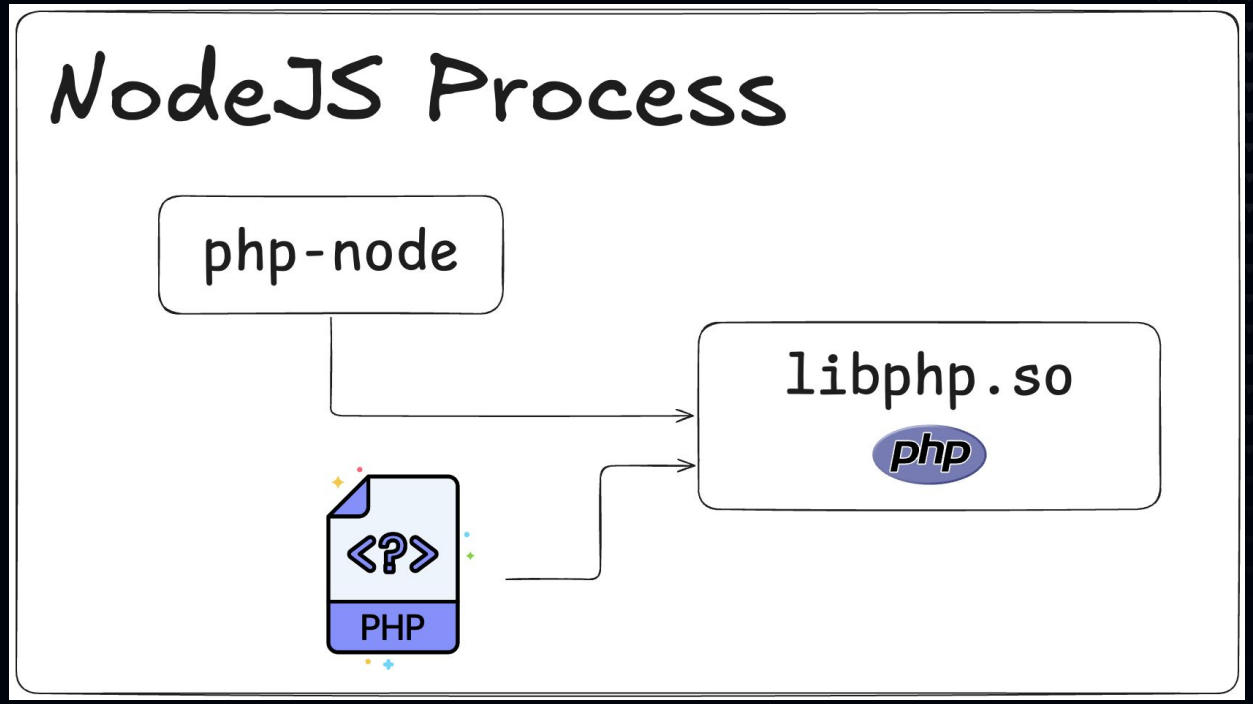
```php
<?php

$publicPath = getcwd();

$uri = urldecode(
    string: parse_url(url: $_SERVER['REQUEST_URI'], component: PHP_URL_PATH) ?? ''
);

// This file allows us to emulate Apache's "mod_rewrite" functionality from the
// built-in PHP web server. This provides a convenient way to test a Laravel
// application without having installed a "real" web server software here.
if ($uri !== '/' && file_exists(filename: $publicPath.$uri)) {
    return false;
}
// ...
require_once $publicPath.'/index.php';

```

Laravel Entrypoint



Embed SAPI

Embed SAPI



php-node

CODE TIME!!

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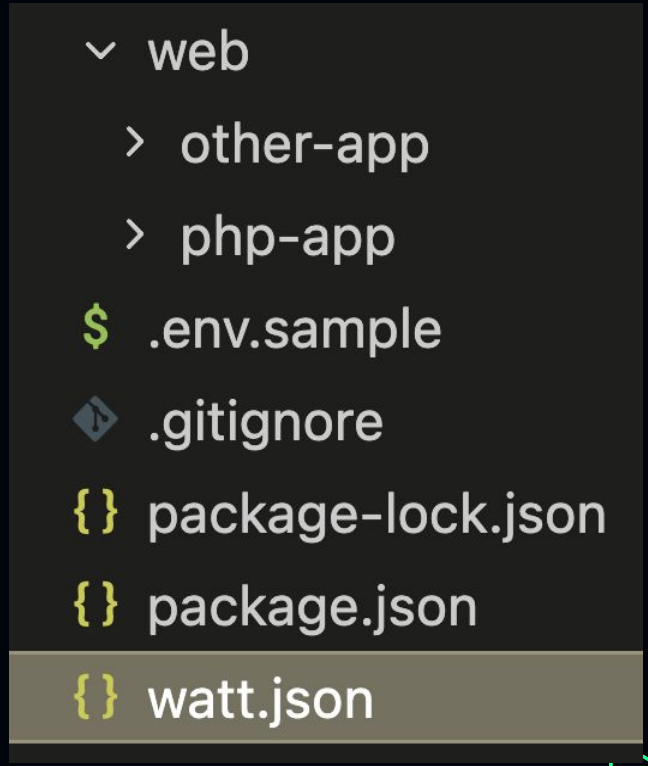
WATT

- Framework Agnostic: NextJS, Remix, Astro…
- IPC in place of network requests
- Built-in Observability
- Adaptive Workers Scaling

WATT

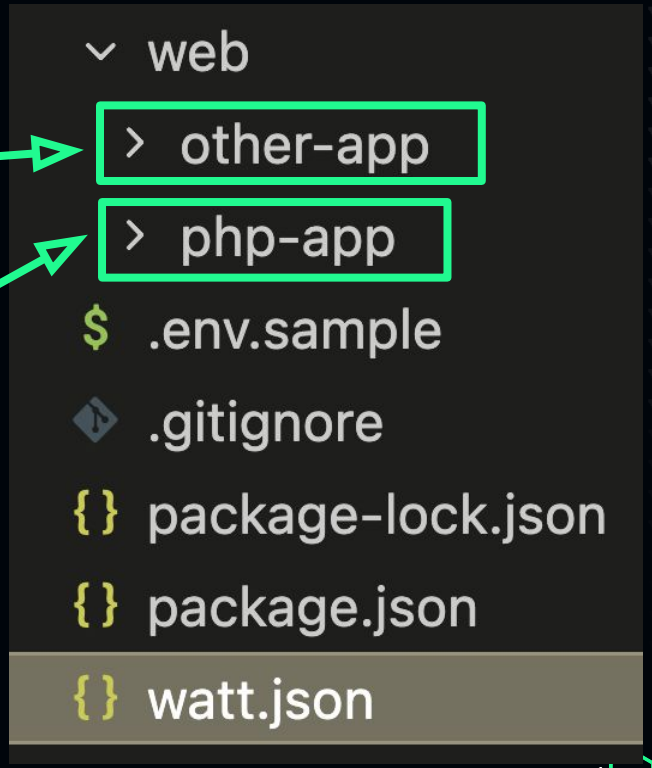
```
{
  "$schema":
"https://schemas.platformatic.dev/@platformatic/runtime/3.14.0.jso
n",
  "watch": true,
  "autoload": {
    "path": "web",
    "exclude": [
      "docs"
    ]
  },
  "logger": {
    "level": "info"
  },
  "server": {
    "hostname": "0.0.0.0",
    "port": 3042
  },
  "entrypoint": "php-app"
}
```



Inter-Process Communication

http://other-app.plt.local

http://php-app.plt.local



Sviluppi Futuri

- IPC for local network requests
- WebSocket, Streaming
- Performances

Link

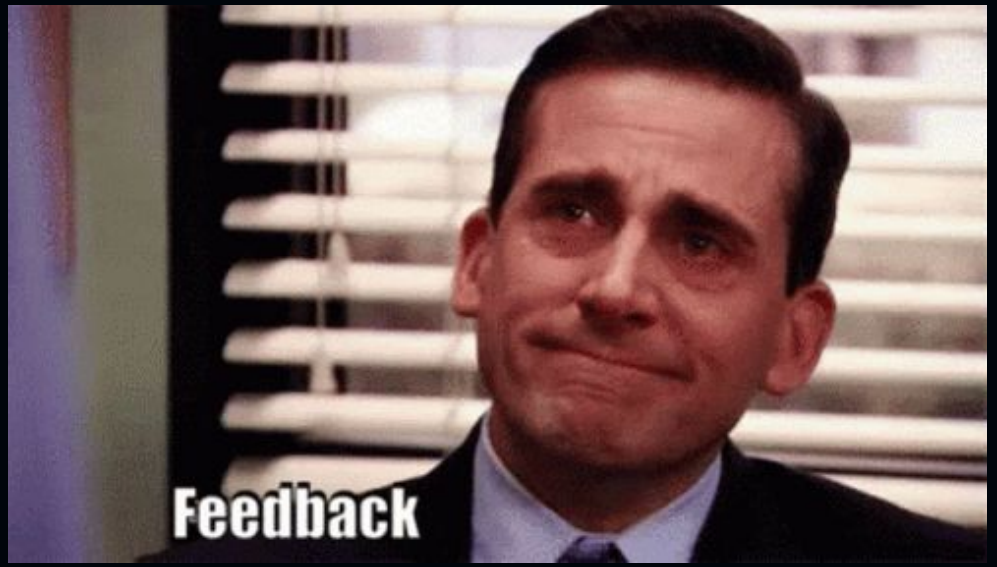
- https://github.com/platformatic/watt-next-laravel
- https://hurayraiit.com/php-sapi-beginners-guide/
- https://github.com/leorossi/talks-php-node

platformatic.dev

Leonardo Rossi

https://github.com/leorossi

leonardo.rossi@gmail.com



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