

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.*

...





"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.

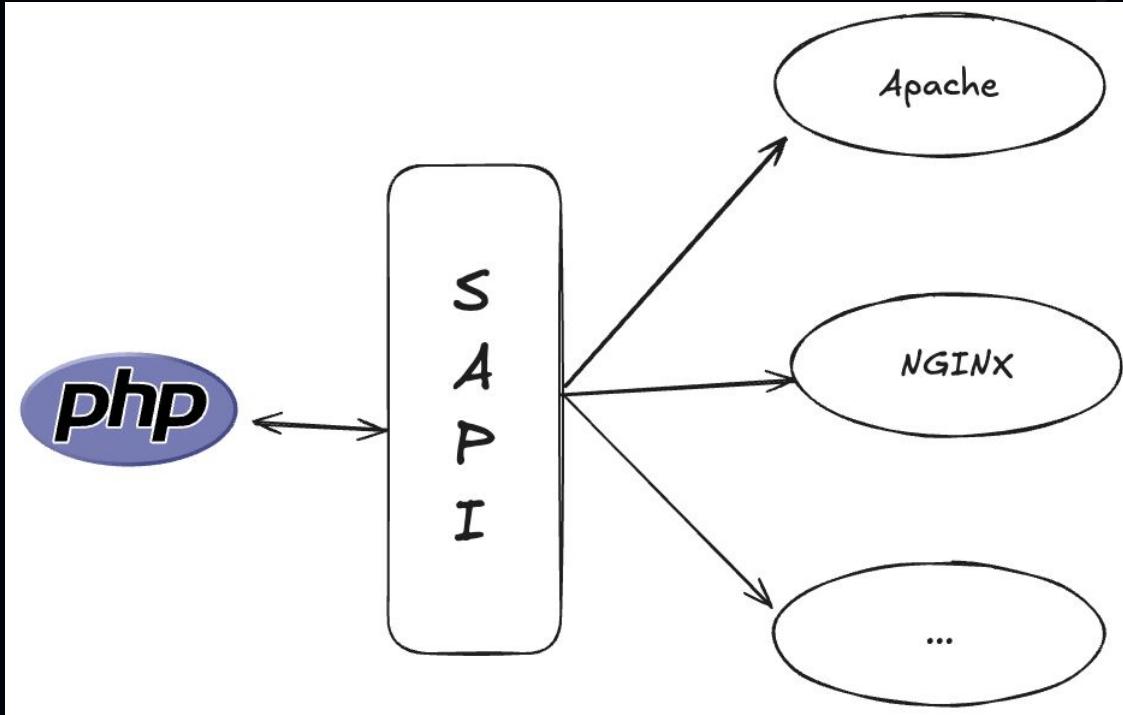


Cosa vedremo

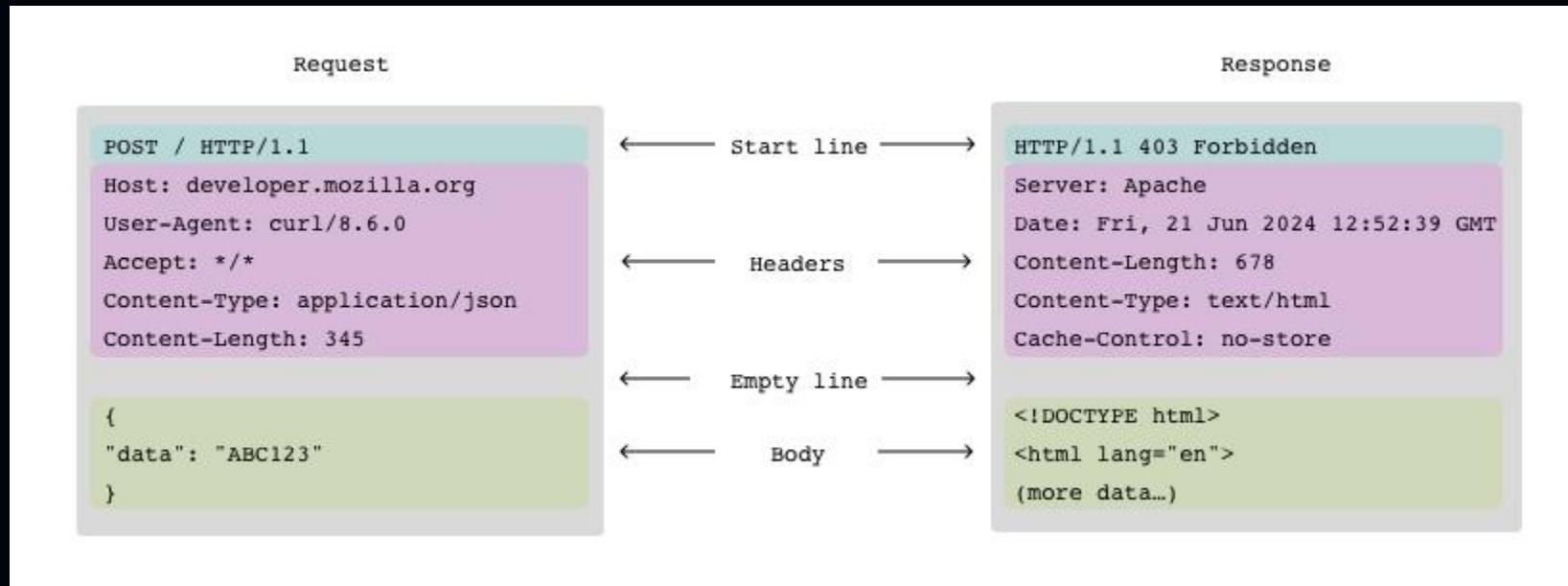
- PHP Internals: SAPI
- Laravel Internals: Request Cycle
- Watt



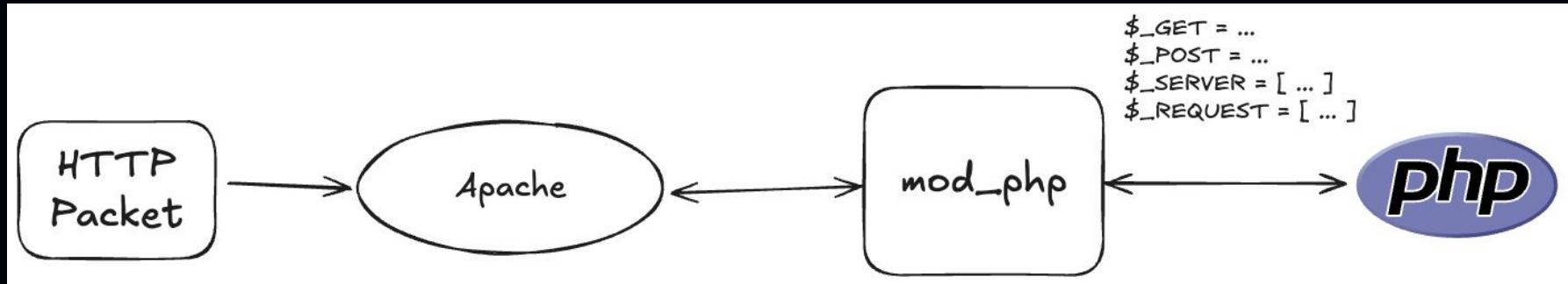
PHP SAPI (Server [Abstraction] API)



PHP SAPI (Server API)



PHP SAPI (Server API)



CODE TIME!!



<https://tenor.com/view/cat-computer-typing-fast-gif-5368357>

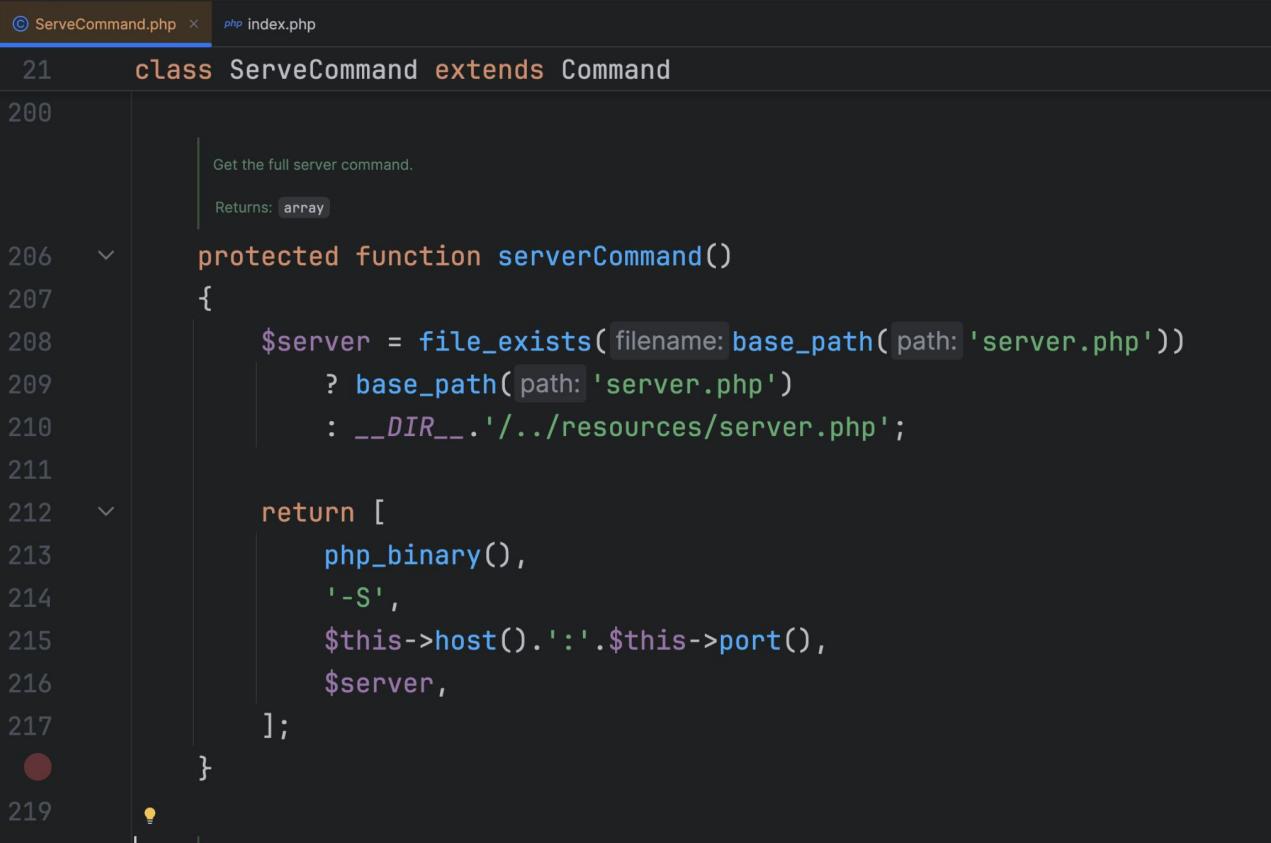


Laravel Entrypoint

```
$ php artisan serve
```



Laravel Entrypoint



The screenshot shows a code editor with a dark theme. The tab bar at the top has two tabs: 'ServeCommand.php' (selected) and 'index.php'. The code editor displays the following PHP code:

```
21     class ServeCommand extends Command
200
206     protected function serverCommand()
207     {
208         $server = file_exists(filename: base_path(path: 'server.php'))
209             ? base_path(path: 'server.php')
210             : __DIR__.'/../resources/server.php';
211
212     return [
213         php_binary(),
214         '-S',
215         $this->host().':'.$this->port(),
216         $server,
217     ];
218 }
219
```

A tooltip is visible on the right side of the screen, pointing to the 'array' type in the code. The tooltip contains the text 'Get the full server command.' and 'Returns: array'.

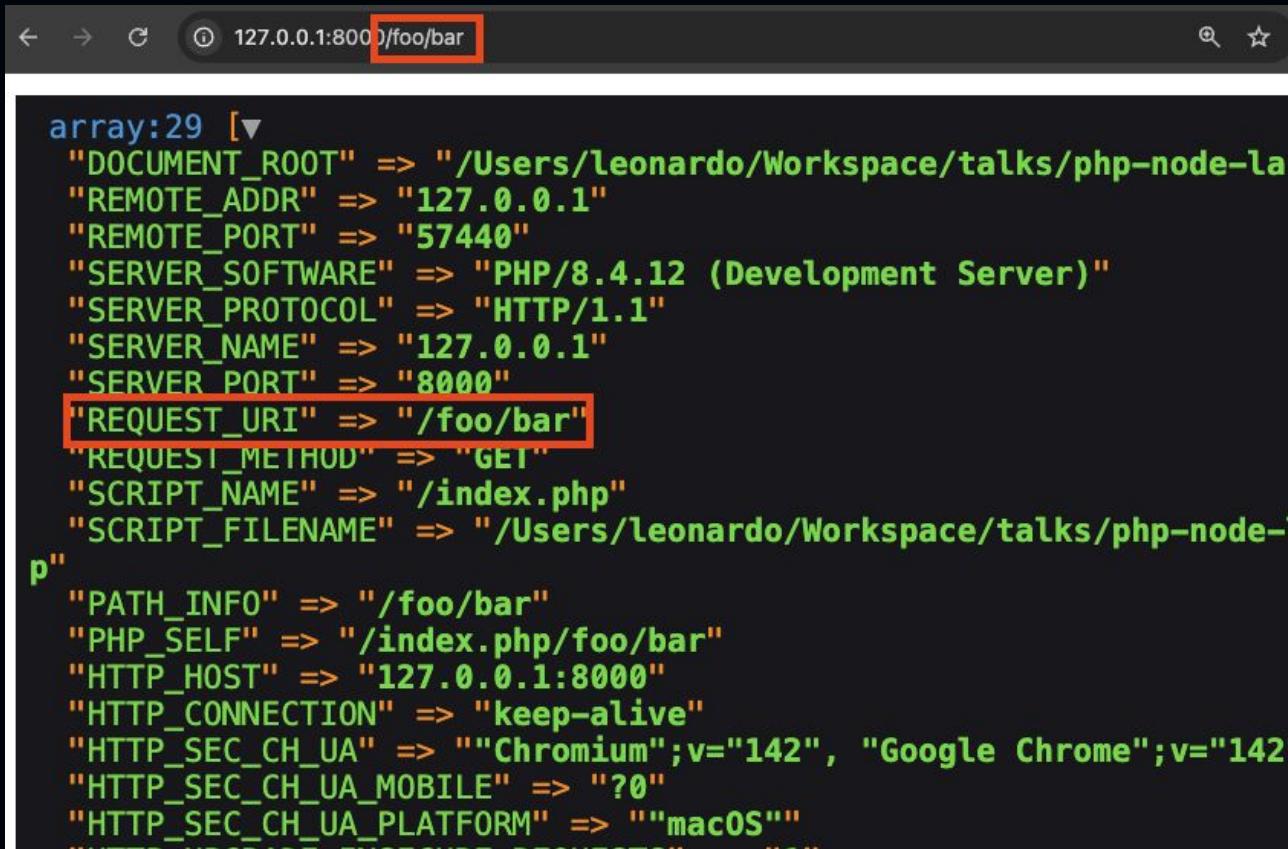


Laravel Entrypoint

```
~/Workspace/talks/php-node-laravel/laravel
1 <?php
2
3     $publicPath = getcwd();
4
5     $uri = urldecode(
6         string:parse_url(url: $_SERVER['REQUEST_URI'], component: PHP_URL_PATH) ?? ''
7     );
8
9     // This file allows us to emulate Apache's "mod_rewrite" functionality from the
10    // built-in PHP web server. This provides a convenient way to test a Laravel
11    // application without having installed a "real" web server software here.
12    if ($uri !== '/' && file_exists(filename: $publicPath.$uri)) {
13        return false;
14    }
15    // ...
16    require_once $publicPath.'/index.php';
17
```



Laravel Entrypoint



A screenshot of a web browser window displaying a dump of PHP superglobal variables. The URL bar shows "127.0.0.1:8000 /foo/bar". The page content is a large block of green-highlighted JSON-like data representing the \$_SERVER array.

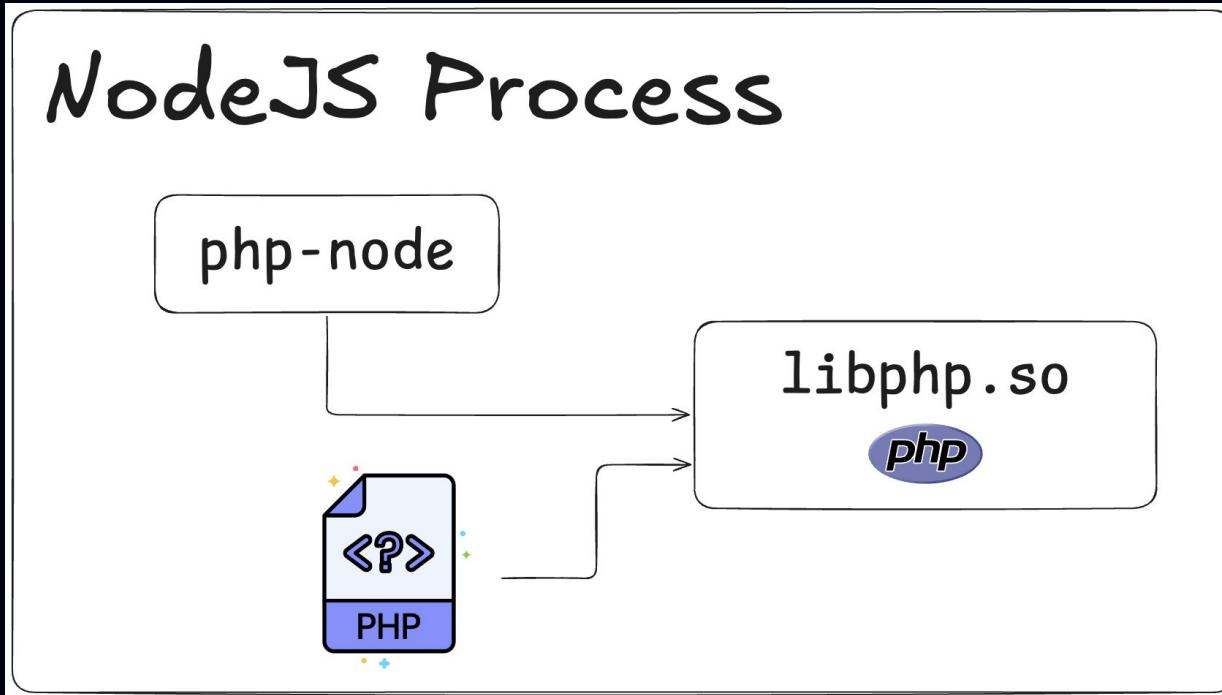
```
array:29 [▼
    "DOCUMENT_ROOT" => "/Users/leonardo/Workspace/talks/php-node-lar
    "REMOTE_ADDR" => "127.0.0.1"
    "REMOTE_PORT" => "57440"
    "SERVER_SOFTWARE" => "PHP/8.4.12 (Development Server)"
    "SERVER_PROTOCOL" => "HTTP/1.1"
    "SERVER_NAME" => "127.0.0.1"
    "SERVER_PORT" => "8000"
    "REQUEST_URI" => "/foo/bar"
    "REQUEST_METHOD" => "GET"
    "SCRIPT_NAME" => "/index.php"
    "SCRIPT_FILENAME" => "/Users/leonardo/Workspace/talks/php-node-l
    p"
    "PATH_INFO" => "/foo/bar"
    "PHP_SELF" => "/index.php/foo/bar"
    "HTTP_HOST" => "127.0.0.1:8000"
    "HTTP_CONNECTION" => "keep-alive"
    "HTTP_SEC_CH_UA" => """Chromium";v="142", "Google Chrome";v="142"
    "HTTP_SEC_CH_UA_MOBILE" => "?0"
    "HTTP_SEC_CH_UA_PLATFORM" => """macOS"""
    ...
]
```



Embed SAPI



Embed SAPI



php-node



CODE TIME!!



<https://tenor.com/view/i-get-it-i-understand-i-understand-it-i-get-it-now-oh-gif-10605953975286270444>



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



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

▼ web

> other-app

> php-app

\$.env.sample

◆ .gitignore

{ } package-lock.json

{ } package.json

{ } watt.json

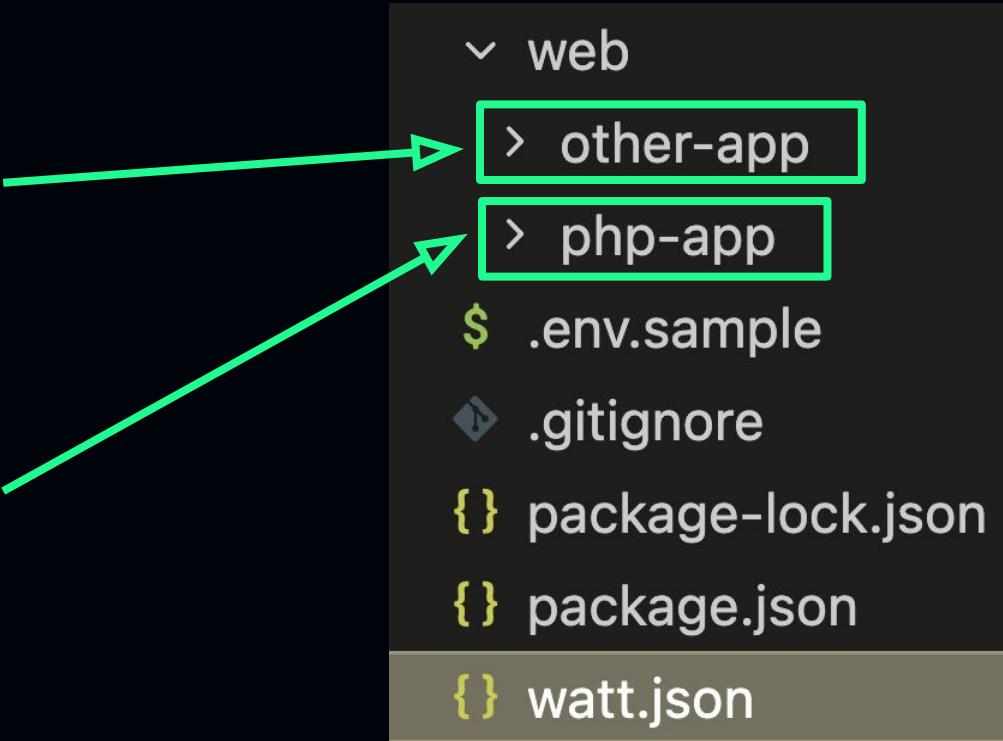


Inter-Process Communication

http://other-app.plt.local



http://php-app.plt.local



Sviluppi Futuri

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

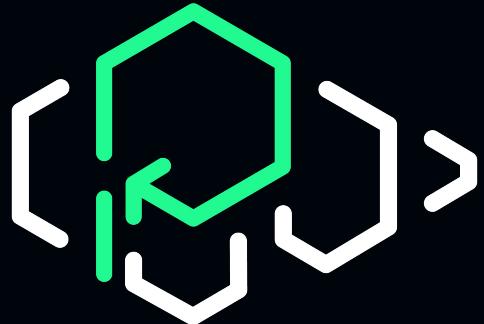


Link

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



platformic.dev



Leonardo Rossi

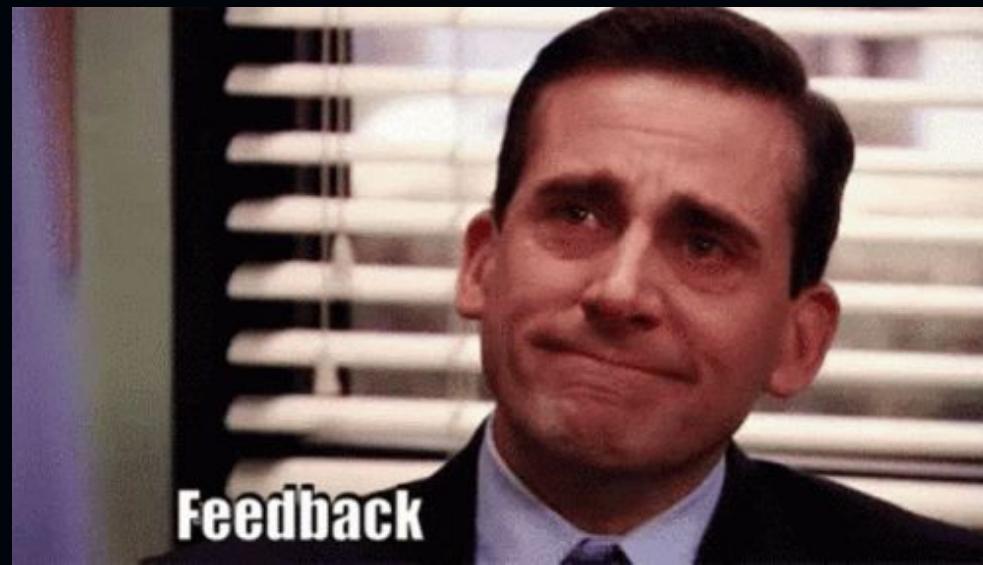


<https://github.com/leorossi>



leonardo.rossi@gmail.com

Link



<https://tenor.com/view/feedback-how-did-we-do-love-your-game-take-my-money-already-gif-20576747>

