



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.

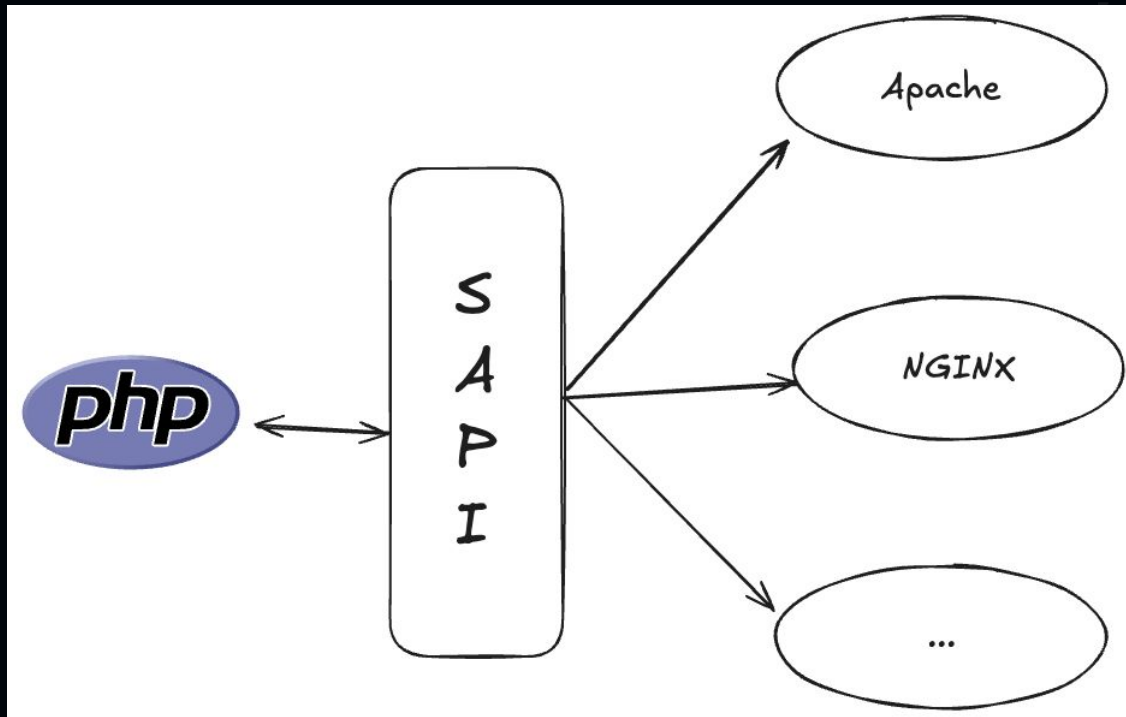


Cosa vedremo

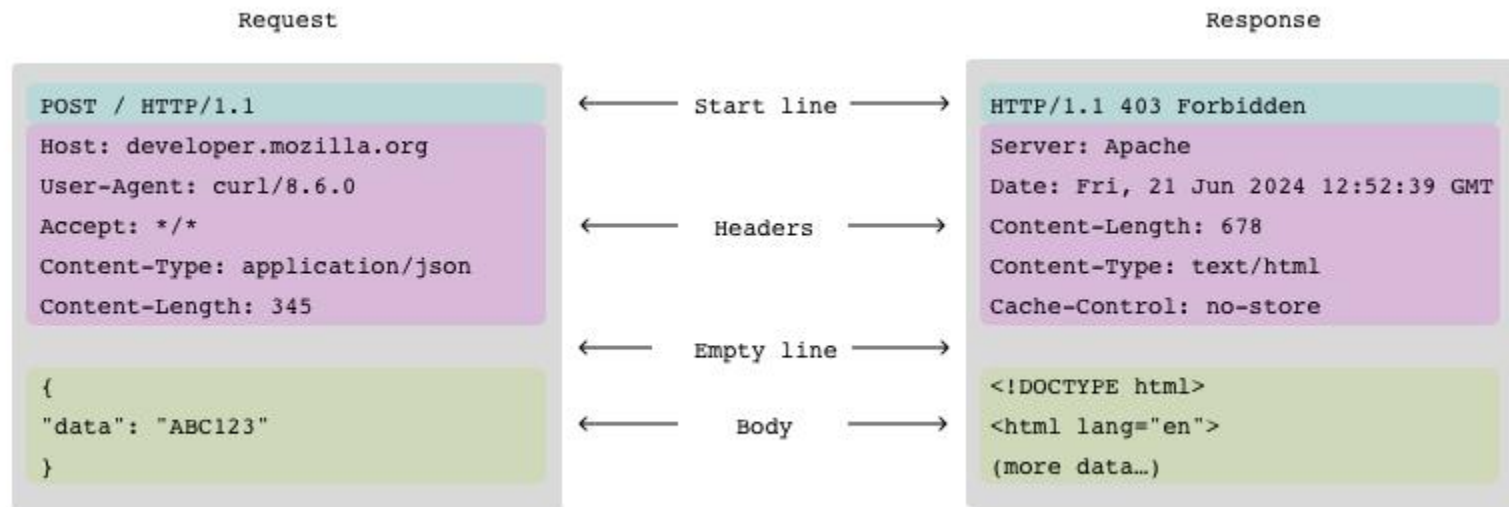
- PHP Internals: SAPI
- Laravel Internals: Request Cycle
- Watt



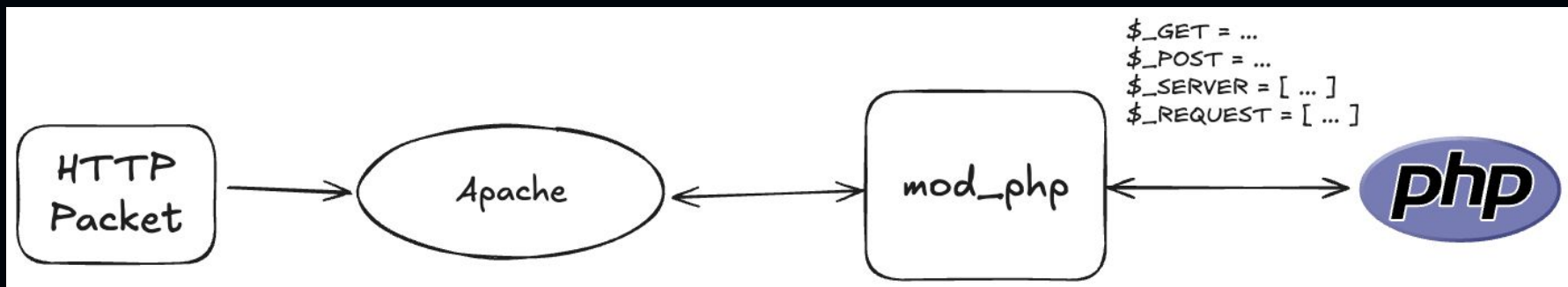
PHP SAPI (Server [Abstraction] API)



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

```
© ServeCommand.php x index.php
21 class ServeCommand extends Command
200
    Get the full server command.
    Returns: array
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
```



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
```



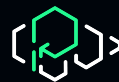
Laravel Entrypoint

```
127.0.0.1:8000/foo/bar

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-1
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\""
```

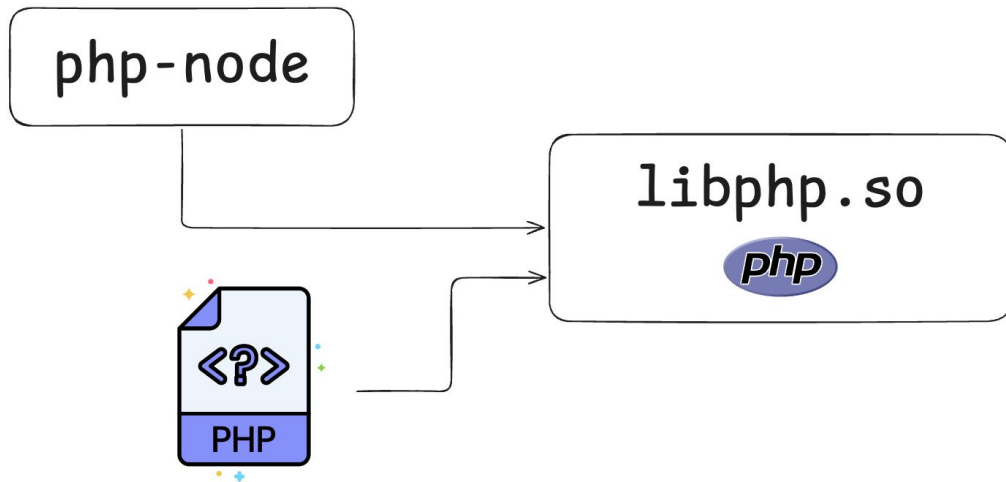


Embed SAPI



Embed SAPI

NodeJS Process



php-node



CODE TIME!!



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



WATT

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



WATT

```
{
  "$schema":
    "https://schemas.platomatic.dev/@platomatic/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

✓ web

> other-app

> php-app

\$.env.sample

📁 .gitignore

{ } package-lock.json

{ } package.json

{ } watt.json



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

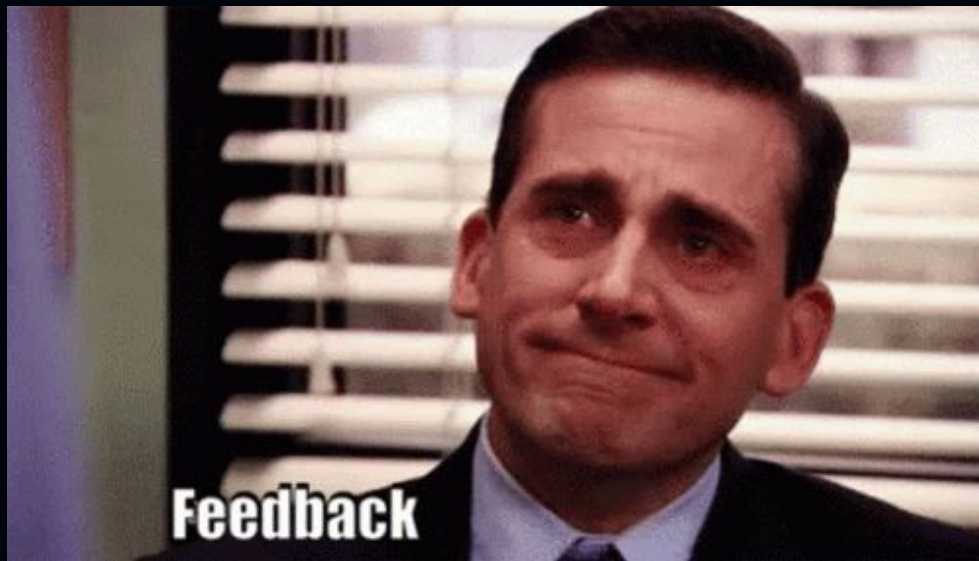
Leonardo Rossi



<https://github.com/leorossi>



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

