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.
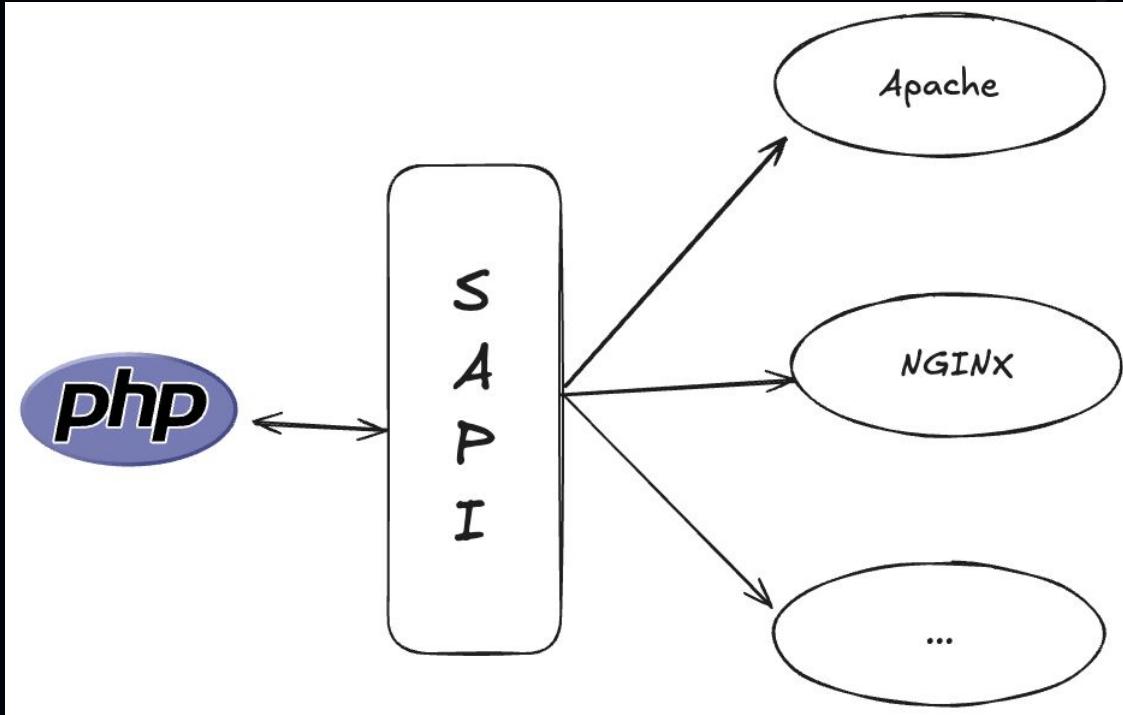
Cosa vedremo
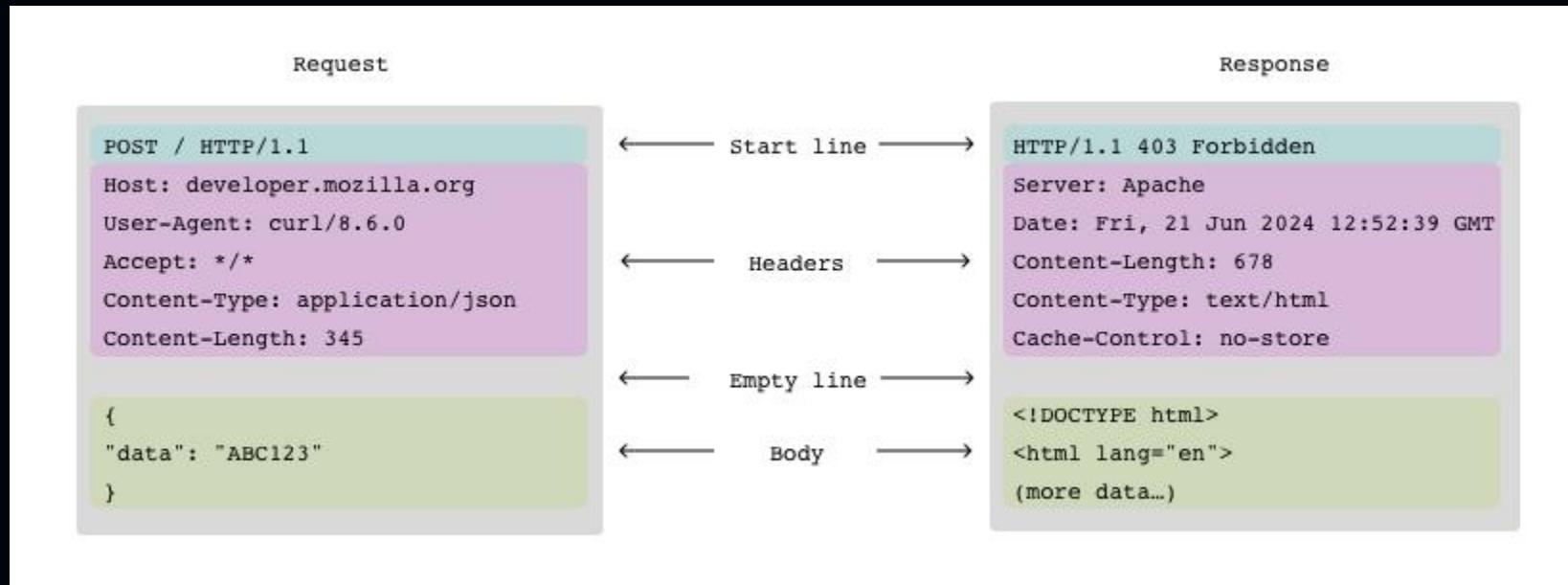
- PHP Internals: SAPI

- Laravel Internals: Request Cycle

- Watt
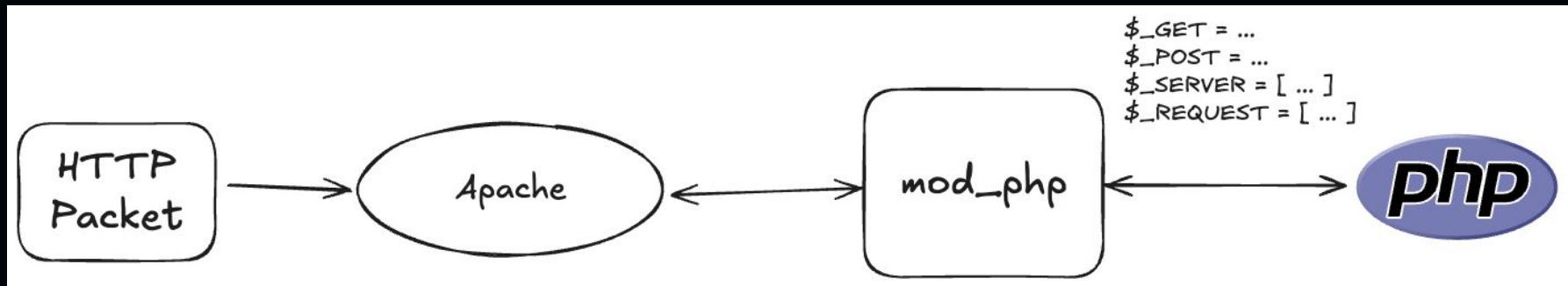
PHP SAPI (Server [Abstraction] API)

PHP SAPI (Server API)

Request

```
POST / HTTP/1.1
Host: developer.mozilla.org
User-Agent: curl/8.6.0
Accept: */*
Content-Type: application/json
Content-Length: 345

{
"data": "ABC123"
}
```

Response

```
HTTP/1.1 403 Forbidden
Server: Apache
Date: Fri, 21 Jun 2024 12:52:39 GMT
Content-Length: 678
Content-Type: text/html
Cache-Control: no-store

<!DOCTYPE html>
<html lang="en">
(more data…)
```

Start line

Headers

Empty line

Body

PHP SAPI (Server API)

CODE TIME!!
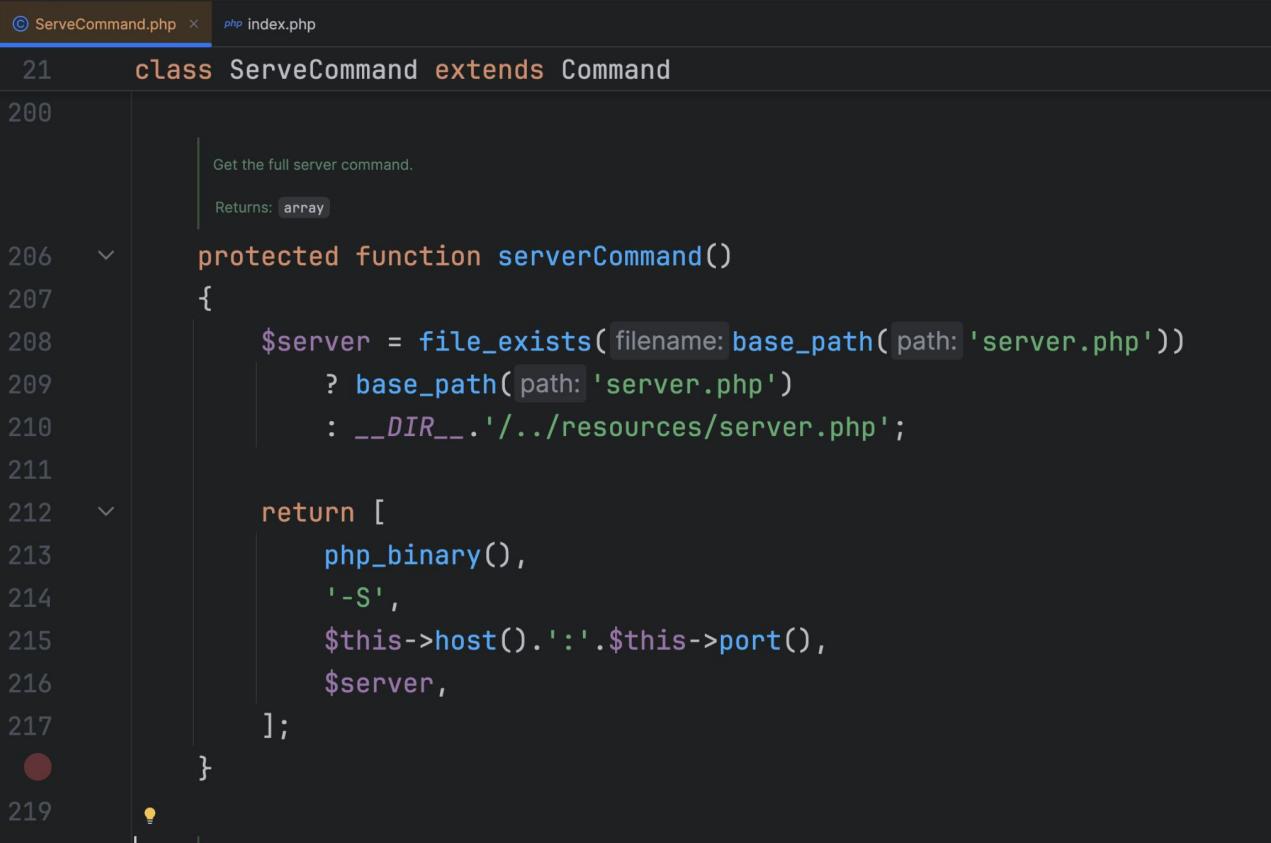
Laravel Entrypoint

```
$ php artisan serve
```

Laravel Entrypoint


```php
class ServeCommand extends Command

    Get the full server command.

    Returns: array

    protected function serverCommand()
    {
        $server = file_exists( filename: base_path( path: 'server.php'))
                ? base_path( path: 'server.php')
                : __DIR__.'/../resources/server.php';

        return [
            php_binary(),
            '-S',
            $this->host().':'.$this->port(),
            $server,
        ];
    }
```
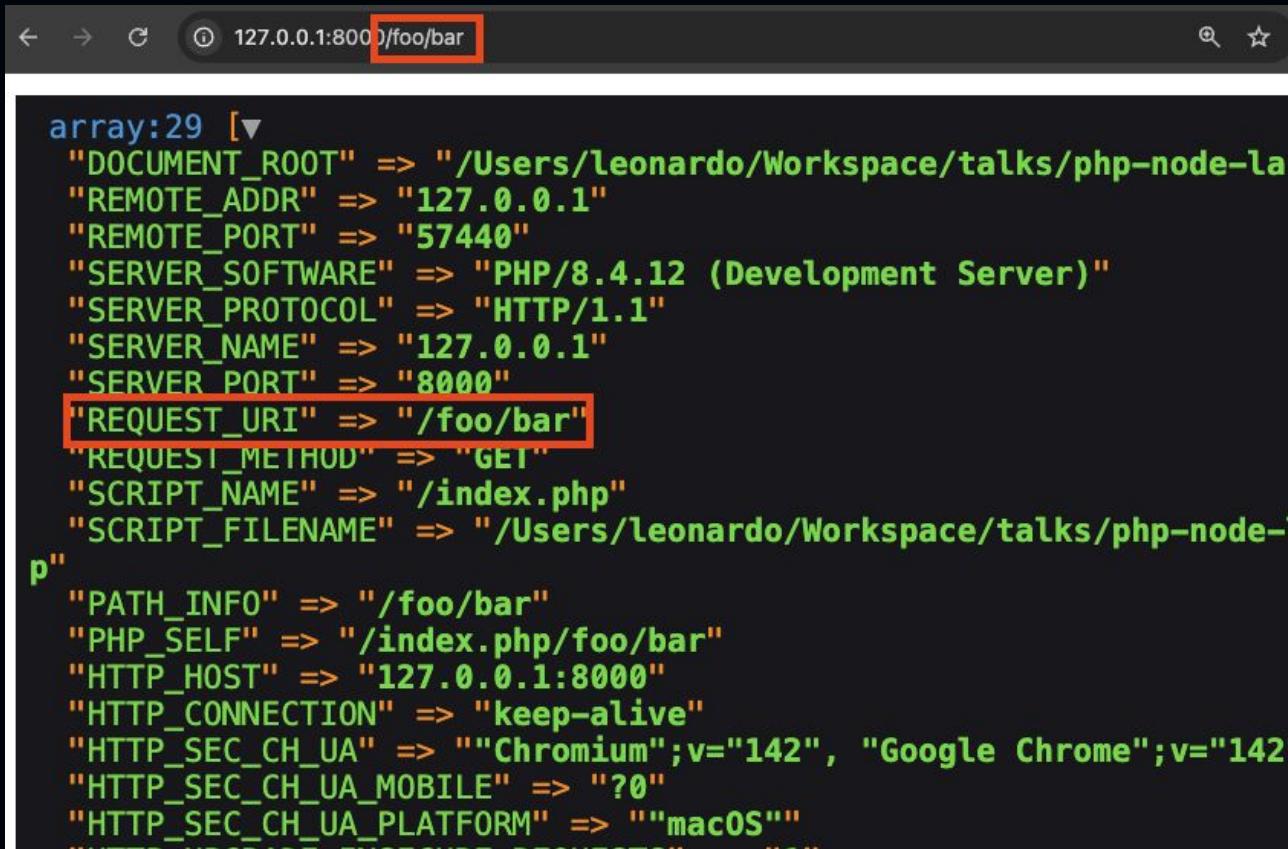
Laravel Entrypoint

```php
~/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

Embed SAPI

Embed SAPI

php-node

CODE TIME!!

WATT

- Framework Agnostic: NextJS, Remix, Astro…

- IPC in place of network requests

- Built-in Observability

- Adaptive Workers Scaling

WATT

```json
{
  "$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"
}
```

```
∨ web
    > other-app
    > php-app
  $ .env.sample
  ⑂ .gitignore
  {} package-lock.json
  {} package.json
  {} watt.json
```
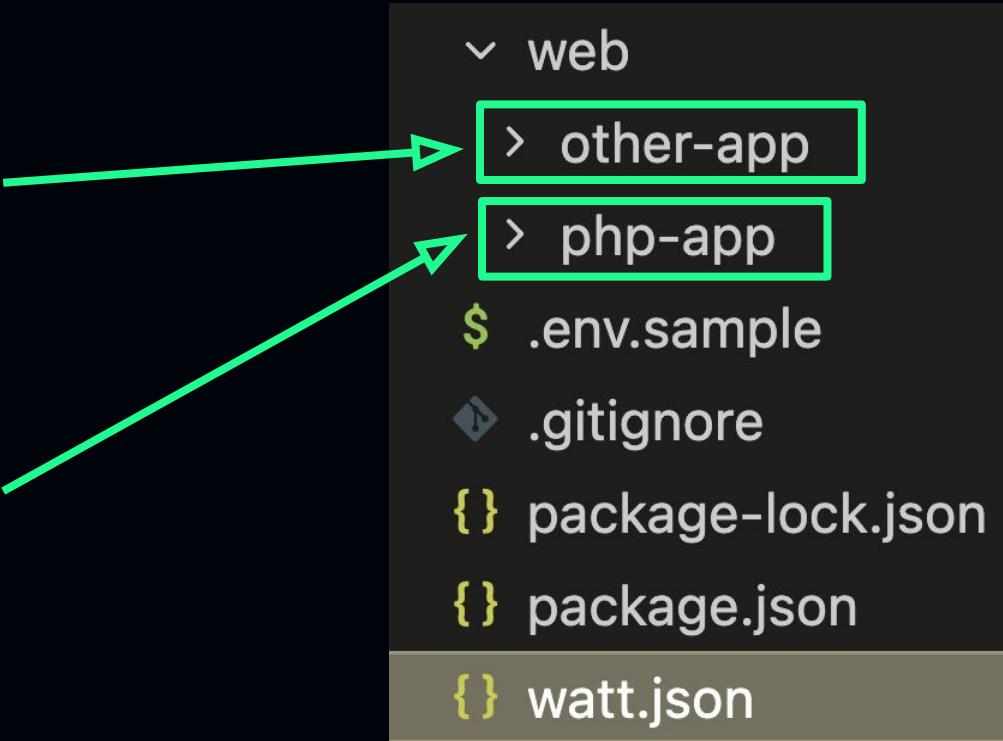
Inter-Process Communication

http://other-app.plt.local

http://php-app.plt.local

Sviluppi Futuri

- IPC for local network requests

- WebSocket, Streaming

- Performances

Link

- **https://github.com/platformatic/watt-next-laravel**

- **https://hurayraiit.com/php-sapi-beginners-guide/**

- **https://github.com/leorossi/talks-php-node**

Leonardo Rossi
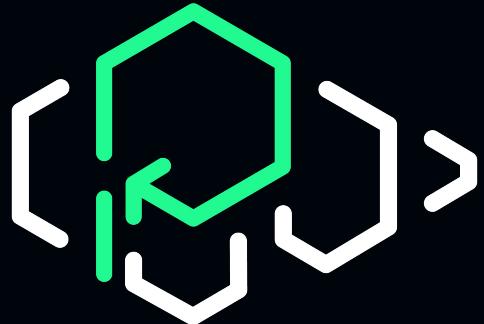
platformatic.dev

https://github.com/leorossi
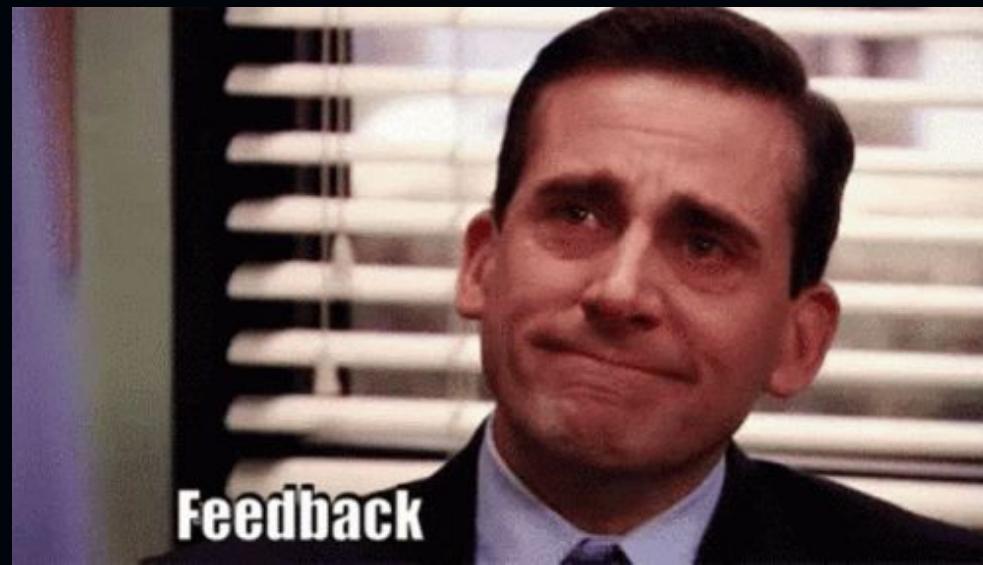
leonardo.rossi@gmail.com

Link

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