

Package Everything

The benefits of using packages
to build your applications

About me...

What is a package?

Why Packages?

Modular & Maintainable Code

**Group several pieces into
one logical module**

Reusable code

Domain

Tool

Developers ❤️ Open Source





**How to build a
package?**

composer.json



```
{
  "name": "my-vendor/my-package",
  "type": "library",
  "license": "MIT",
  "require": {
    "php": ">=7.2",
    "symfony/console": "^4.2"
  },
  "require-dev": {
    "phpunit/phpunit": "^8.1"
  },
  "autoload": {
    "psr-4": {
      "MyVendor\\MyPackage\\": "src"
    }
  }
}
```

Naming

psr/log

symfony/console

spatie/laravel-permission

guzzlehttp/guzzle

filp/whoops

Documentation

Licence

Keep a changelog

keepachangelog.com

API

CI

Versioning

semver.org

Backwards Compatibility

composer.lock

Frameworkless



From nothing to all...

- CodeBase
- CRM
- Modules
- Country

- CodeBase
- CRM
- Modules
 - Stock
 - Clients
 - Messages
 - Admin
- Country
 - ...

Big Teams vs Big Monolith

- Client Team
- Moderation Team
- SEO Team
- Professional Tools Team
- Monetisation Team
- ...



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Worst than merge conflicts is merge conflicts on Monday morning

- ...
- Monetisation Team
 - Invoicing Package
 - Payments Package
 - “Extra Services” Package
 - 1 Microservice
 - 5 Lambda Functions
- ...

Open Source

Tips

Using Local Packages

```
{
  "type": "project",
  "license": "proprietary",
  "require": {
    "php": "^7.2",
    /* ... */
    "my-vendor/my-package": "*"
  },
  "repositories": [
    {
      "type": "path",
      "url": "../packages/my-vendor/my-package"
    }
  ],
  "autoload": {
    "psr-4": {
      "App\\": "src/"
    }
  },
  /* ... */
}
```

Using Private Repositories

```
{
  "type": "project",
  "license": "proprietary",
  "require": {
    "php": "^7.2",
    /* ... */
    "my-vendor/my-package": "^1.0"
  },
  "repositories": [
    {
      "type": "vcs",
      "url": "git@github.com:my-vendor/my-package.git"
    }
  ],
  "autoload": {
    "psr-4": {
      "App\\": "src/"
    }
  },
  /* ... */
}
```

Templating



Project Init

Let's create great projects...

Select the project template:

- 1 - Laravel
- 2 - Laravel Package
- 3 - PHP
- 4 - Pimcore 5
- 5 - Pimcore 5 Bundle
- 6 - Symfony
- 7 - Symfony API
- 8 - Symfony Bundle
- 9 - Symfony Console
- 10 - Symfony Web
- 11 - Reinstall all templates
- 12 - Exit

>



Pulse
Contributors
Community
Traffic
Commits
Code frequency
Dependency graph
Alerts
Network
Forks

Community profile

Here's how this project compares to recommended community standards.

Checklist

✓ Description
✓ README
✓ Code of conduct
✓ Contributing
✓ License
✓ Issue templates
✓ Pull request template

Edit



```
$ composer global require hirak/prestissimo
```

Be kind with the community

Thank you!