

Better Site Stacks with Composer



Andrey “Rarst” Savchenko

- Rarst.net
- ◆ WPSE (s.tk/wp)
- QueryPosts.com
- Composer.Rarst.net



Composer – Dependency Manager

Utility to **consume code** in projects and conventions to **publish code** for it. In open, flexible, and robust manner.

getcomposer.org

Hobby – Profession

“ *...a lot of professionals are running professional sites like they are still hobbyists.*

Mark Jaquith <#>



Version Control Isn't Everything

“ *F***ing submodules.* ”

Daniel Bachhuber <#>



WordPress is

145K lines

PHP code

Namespaces PHP >= 5.3

```
01<?php
```

```
02namespace Rarst\Fragment_Cache;
```

```
03class Plugin extends \Pimple {
```

php.net/namespaces

PSR-0 Autoloading Standard

Requirements that must be adhered to for
autoloader interoperability.

php-fig.org

Decoupled Frameworks

“ *...community growth in the coming years will mainly come from the **adoption of the components.***

Fabien Potencier <#>



Installation

- getcomposer.org/composer.phar
- getcomposer.org/Composer-Setup.exe

```
curl -sS
```

```
https://getcomposer.org/installer
```

```
| php
```

WordPress Stack with Composer

```
composer create-project
```

```
rarst/install-test
```

```
--repository-url=http://rarst.net
```

Sources

- direct downloads
- Subversion
- Git (+ GitHub downloads)
- Mercurial (+ Bitbucket downloads)

also PEAR and local archives

packages.json

Describes locations of packages.

- [Packagist.org](https://packagist.org)
- Satis (github.com/composer/satis)

composer.json

Contains information about package.

composer.lock

Captures precise state of project.

Dependencies

```
"require" : {  
    "rarst/wordpress" : ">=3.6"  
}
```

Also `conflict` and `suggest`

Current Challenges

- bridge to core
- access to repositories
- asset management

solidify your sites

own your code

Composer All the Things! Questions?

- [@Rarst](#)
- The Loop ([s.tk/chat](#))

[Rarst.net/slides/composer](#)