Composer 101

Simplifying PHP Dependency Management
By Kevin Gustavson

Managing Vendor Code

Managing vendor dependencies
should be easy!

Ruby:

```
bundle install
```

NodeJS:

```
npm install
```

Managing PHP Vendor Dependencies

Installing PHPUnit the traditional way:

```
pear channel-discover pear.symfony.com
pear install --alldeps pear.phpunit.de/PHPUnit
```

-OR-

```
pear config-set auto_discover 1
pear install pear.phpunit.de/PHPUnit
```

Managing PHP Vendor Dependencies

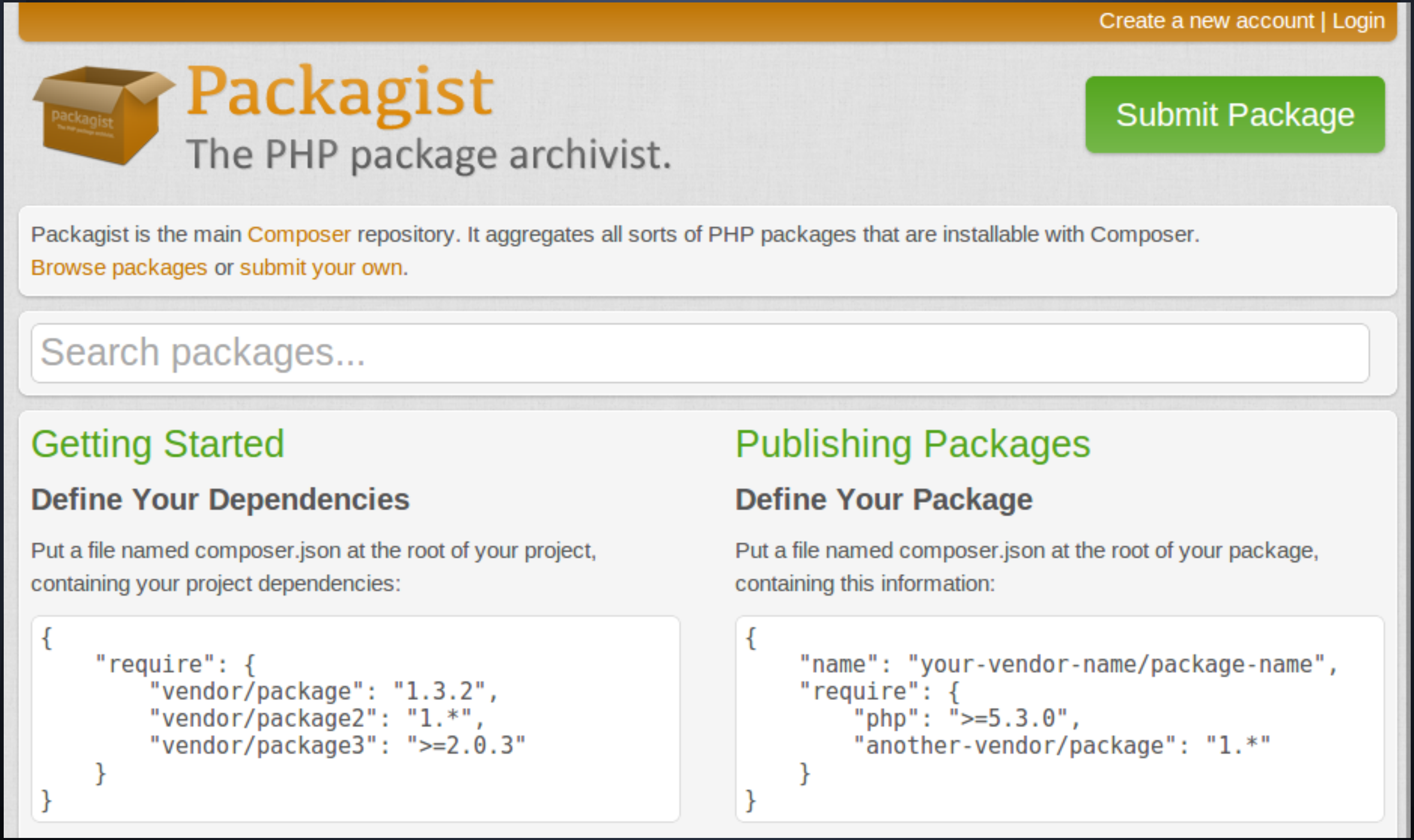
Installing PHPUnit the Composer way:

```
php composer.phar install
```

Configuration: composer.json

```
{
    "name": "local/phpunit",
    "description": "PHP Unit Testing",
    "require": {
        "phpunit/phpunit": "3.7.x-dev"
    },
    "stability": "dev"
}
```

https://Packagist.org



Packagist is the main Composer repository. It aggregates all sorts of PHP packages that are installable with Composer.
Browse packages or submit your own.

Getting Started

Define Your Dependencies

Put a file named composer.json at the root of your project, containing your project dependencies:

```
{
    "require": {
        "vendor/package": "1.3.2",
        "vendor/package2": "1.*",
        "vendor/package3": ">=2.0.3"
    }
}
```

Publishing Packages

Define Your Package

Put a file named composer.json at the root of your package, containing this information:

```
{
    "name": "your-vendor-name/package-name",
    "require": {
        "php": ">=5.3.0",
        "another-vendor/package": "1.*"
    }
}
```

Configuration: composer.json

```
{
    "name": "local/phpunit",
    "description": "PHP Unit Testing",
    "require": {
        "phpunit/phpunit": "3.7.x-dev",
        "phpmd/phpmd": "dev-master"
    },
    "stability": "dev"
}
```

Questions?

http://getcomposer.org/
https://packagist.org/