

### Composer

Win install: <https://getcomposer.org/download/>  
 Packages: <https://packagist.org/>  
 howto (czech): <https://www.itnetwork.cz/php/oop/composer/>  
 composer --version //check version and if exists  
 composer init //generate composer.json file  
 composer install //download packages from composer.json  
 composer require phpmailer/phpmailer //download phpmailer  
 composer update //update all packages  
 composer update phpmailer/phpmailer //update phpmailer  
**Initializace**  
 index.php  
 require \_\_DIR\_\_ . '/vendor/autoload.php';  
 \$mail=new PHPMailer\PHPMailer\PHPMailer;

### Symfony

**Symfony install:**  
 composer create-project symfony/web-site -sk -ele ton : "^5 " hello-world  
 composer create-project symfony/skeleton -n:"6.1.\* " my\_project\_directory  
**run server:**  
 php -S 127.0.0.1 :8000 -t public  
**Apache setting:**  
 //httpd.conf  
 <IfModule mod\_rewrite.c >  
 RewriteEngine On  
 RewriteRule ^\$ public [L]  
 RewriteCond %{REQUEST\_FILENAME} !-f  
 RewriteCond %{REQUEST\_FILENAME} !-d  
 RewriteCond %{REQUEST\_URI} !^public/  
 RewriteRule ^(.\*)\$ public/\$1  
 </IfModule >  
**install:**  
 composer require symfony/apache-pack  
**show list of make function**  
 php bin/console list make  
**Generator controller**  
 php bin/console make:controller

### PSR-standards

PSR-0: Autoloading(old)  
 PSR-1: coding standard basic  
 PSR-2: coding standard extend  
 PSR-3: logger interface  
 PSR-4: Autoloading(new)  
 PSR-5: PHPDoc  
 PSR-6: Caching Interface  
 PSR-7: interfaces for HTTP message interfaces  
 PSR-11: Dependency Injections  
 PSR-13: Link  
 PSR-14: Event Dispatcher  
 PSR-15: Request Handlers  
 PSR-16: Common Interface for Caching Libraries  
 PSR-17: Factories  
 PSR-18: HTTP client

### Docker

<https://hub.docker.com/> //images  
 docker version //show if exist  
 docker build -t api\_python ./built\_image  
 container  
 docker run -d --name apicontainer -p 8080:8080  
 api\_python:latest  
 docker -p //show all running containers  
 docker run apicontainer  
 docker kill apicontainer  
 docker start apicontainer  
 docker pause apicontainer  
 docker unpause apicontainer  
 docker ps --all //show all containers  
 docker ps --filter status=paused  
 docker exec -it apicontainer sh // edit running  
 container  
 docker restart apicontainer  
 docker rm apicontainer  
 docker image rm api\_python

### linux

pwd //show actual path

