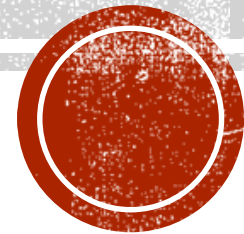


Yii2: Installation

Oleh: Ahmad Syauqi Ahsan



Instalasi

- Dua cara untuk menginstall Yii2 framework
 - Meng-copy dari template
 - Menggunakan Composer (recommended)
- Ada dua jenis template untuk Yii2, Basic Template dan Advanced Template.
- Berbeda dengan Basic Template yang hanya terdiri satu aplikasi, Advanced Template terdiri dari dua aplikasi: frontend dan backend.

Instalasi Basic Template

1. Pastikan anda sudah memiliki web server (misal: Apache) dengan dukungan PHP
2. Download file template Yii2 Basic dari website yiiframework.com
3. Extract file hasil download ke lokasi yang dapat diakses dari web
4. Buka file `config\web.php`, kemudian isikan kode rahasia untuk `'cookieValidationKey'`
5. Instalasi selesai dan anda dapat langsung mengakses aplikasi web anda melalui `http://localhost/basic/web/`

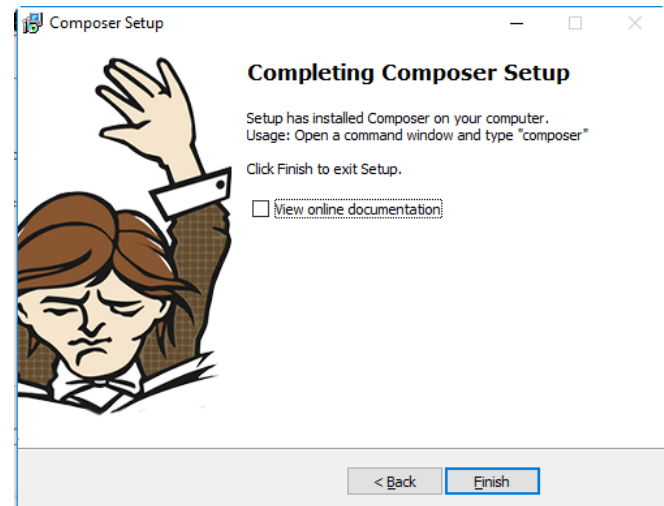
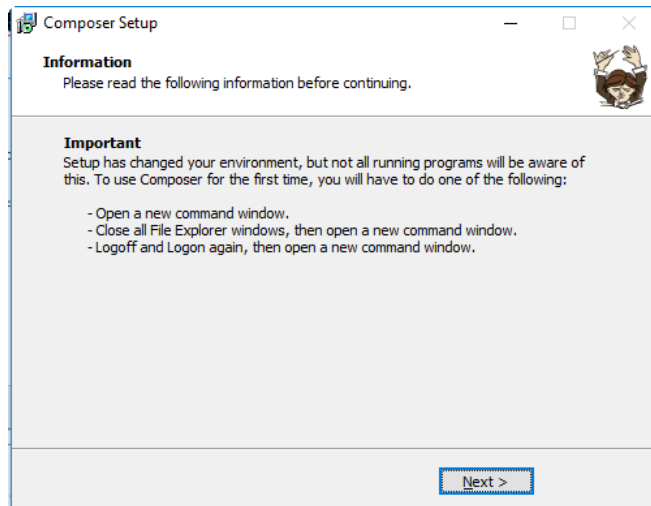
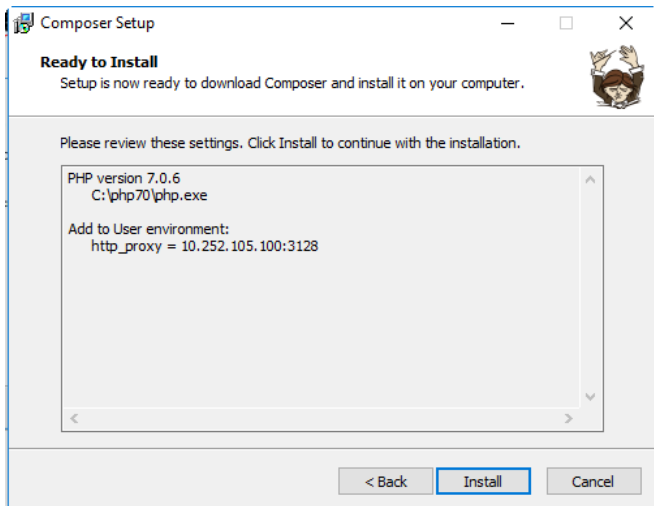
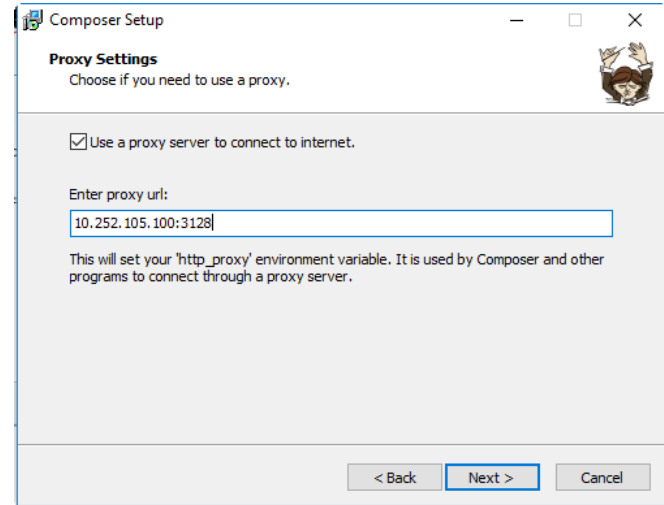
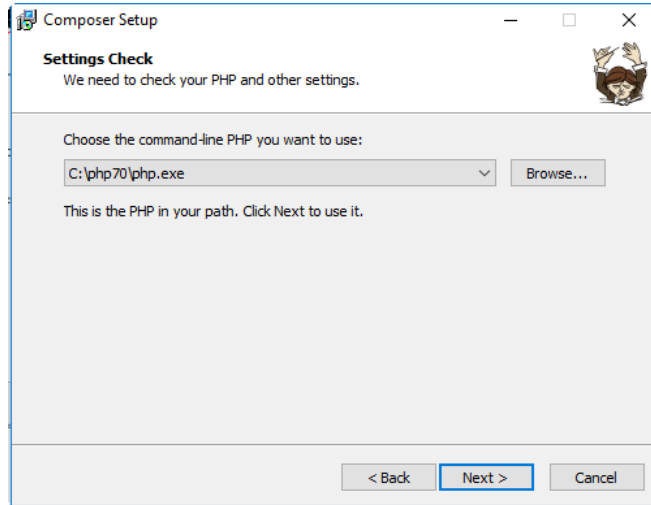
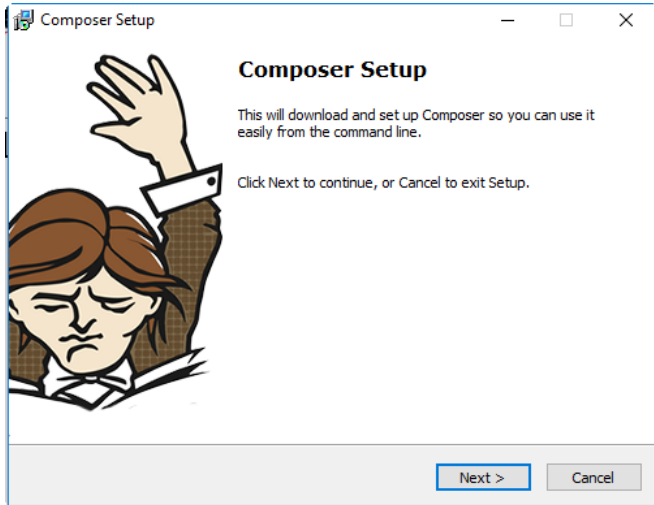
Instalasi Advanced Template

1. Pastikan anda sudah memiliki web server (misal: Apache) dengan dukungan PHP
2. Download file template Yii2 Advanced dari website yiiframework.com
3. Extract file hasil download ke lokasi yang dapat diakses dari web
4. Menggunakan aplikasi Command Prompt, masuk ke folder aplikasi anda kemudian jalankan perintah: "php init". Pilih [0] Development
5. Buat sebuah database baru, kemudian ubah file `common\config\main-local.php` sesuai dengan database yang telah anda buat.
6. Migrasi database dengan cara jalankan perintah berikut pada command prompt:
`php yii migrate`
7. Instalasi selesai dan anda dapat langsung mengakses aplikasi web anda melalui:
 - <http://localhost/advanced/frontend/web/> untuk aplikasi frontend
 - <http://localhost/advanced/backend/web/> untuk aplikasi backend
8. Untuk dapat login anda harus mendaftar dahulu melalui menu Signup

Instalasi Menggunakan Composer

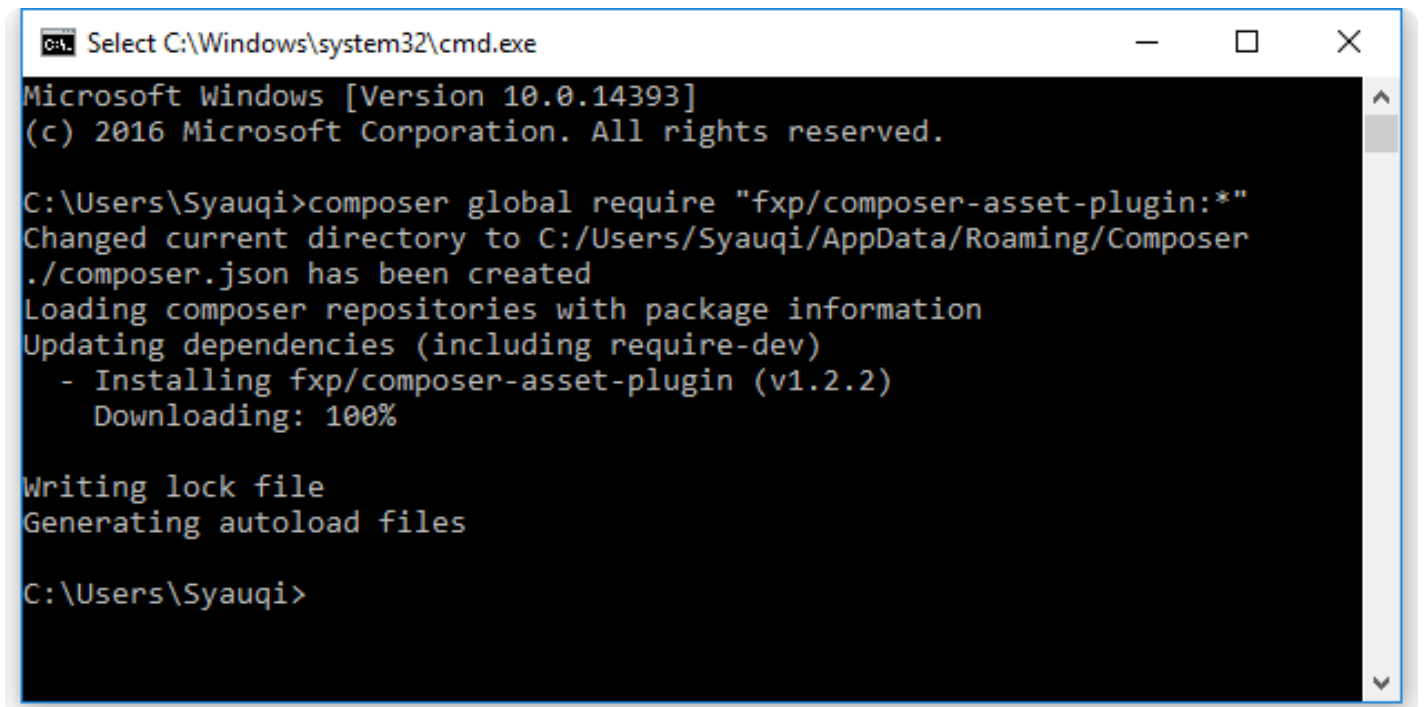
- Yii2 direkomendasikan untuk diinstall menggunakan Composer.
- Dengan Composer maka proses update dan penambahan komponen (extensions) akan lebih mudah.
- Untuk menginstall Yii2 dengan Composer, lakukan langkah2 berikut ini:
 1. Download Composer dari <http://getcomposer.org> kemudian lakukan instalasi Composer.
 2. Menginstall Composer Asset Plugin. Ketik perintah berikut pada command prompt:
 - `composer global require "fxp/composer-asset-plugin:*"`
 3. Buat token di github.com
 4. Menginstall Yii2 dengan Composer. Ketik perintah berikut pada command prompt:
 - `composer create-project --prefer-dist yiisoft/yii2-app-basic basic` (untuk basic template)
atau
 - `composer create-project --prefer-dist yiisoft/yii2-app-advanced advanced` (untuk advanced template)
 5. Langkah selanjutnya disesuaikan dengan template yang anda pilih (basic atau advanced)

1. Menginstall Composer



2. Menginstall Composer Asset Plugin

- Sebelum menggunakan Composer, anda perlu menginstall Composer Asset Plugin.
- Ketik perintah `composer global require "fxp/composer-asset-plugin:*` dari jendela command prompt.
- Langkah ini hanya perlu anda lakukan sekali saja.



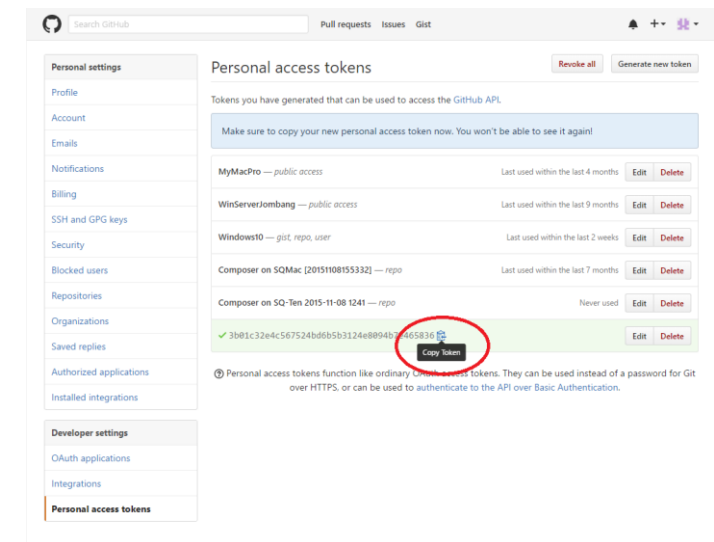
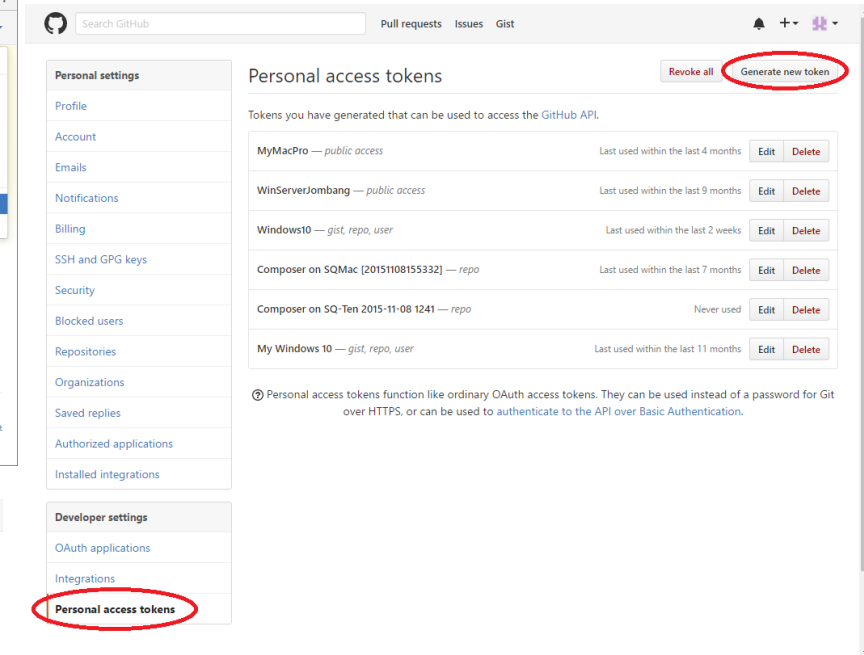
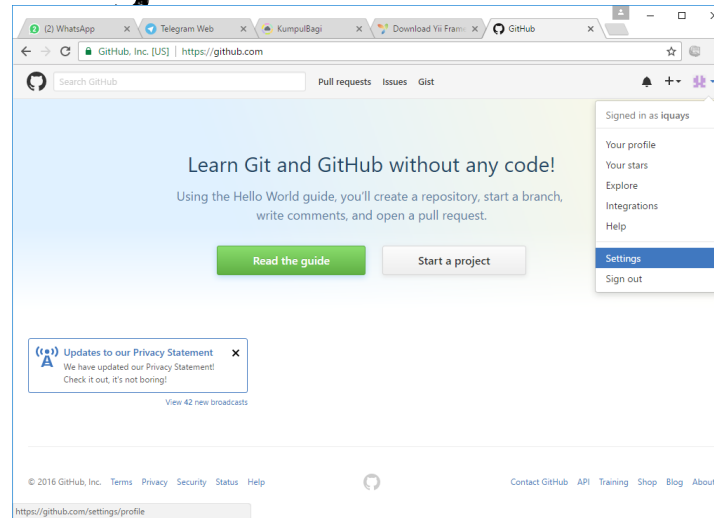
```
cmd Select C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

C:\Users\Syauqi>composer global require "fxp/composer-asset-plugin:*"
Changed current directory to C:/Users/Syauqi/AppData/Roaming/Composer
./composer.json has been created
Loading composer repositories with package information
Updating dependencies (including require-dev)
  - Installing fxp/composer-asset-plugin (v1.2.2)
    Downloading: 100%

Writing lock file
Generating autoload files
C:\Users\Syauqi>
```

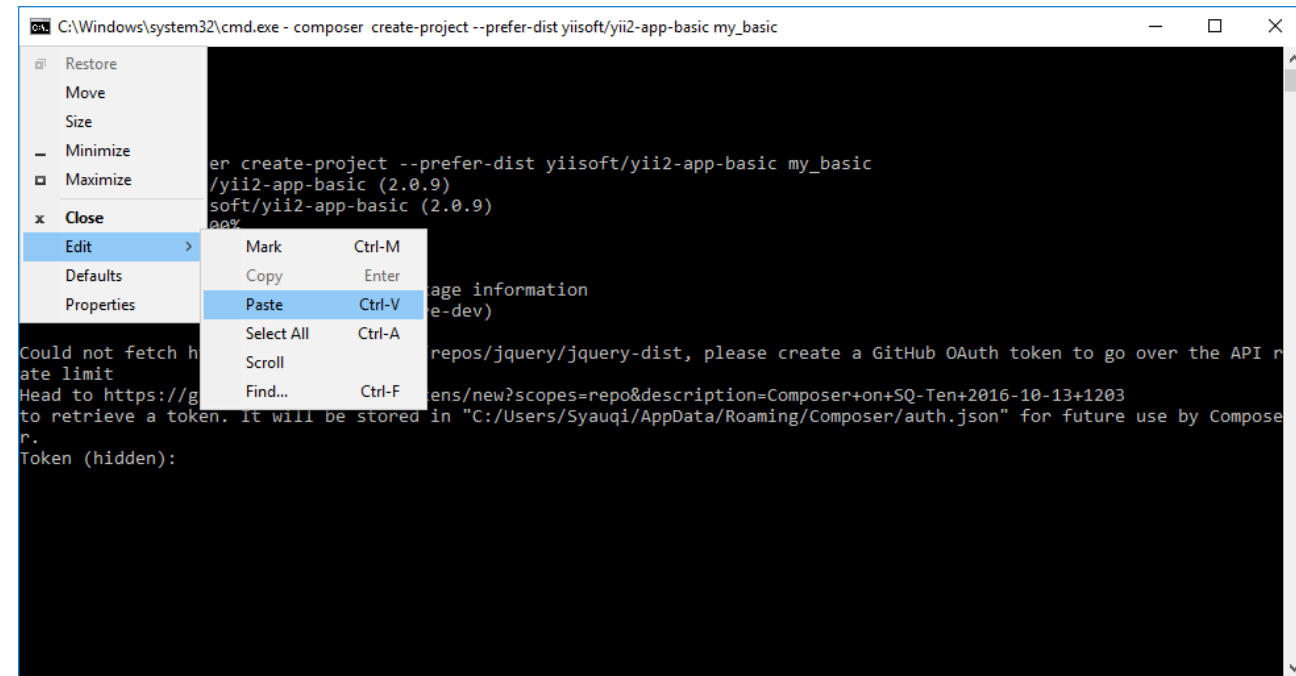
3. Buat Token di github.com

- Sign-in pada website github.com (buat akun terlebih dahulu bila belum punya).
- Masuk menu **Setting->Personal access tokens**
- Klik tombol **Generate new token**
- Klik tombol **Copy Token** untuk meng-copy token ke clipboard

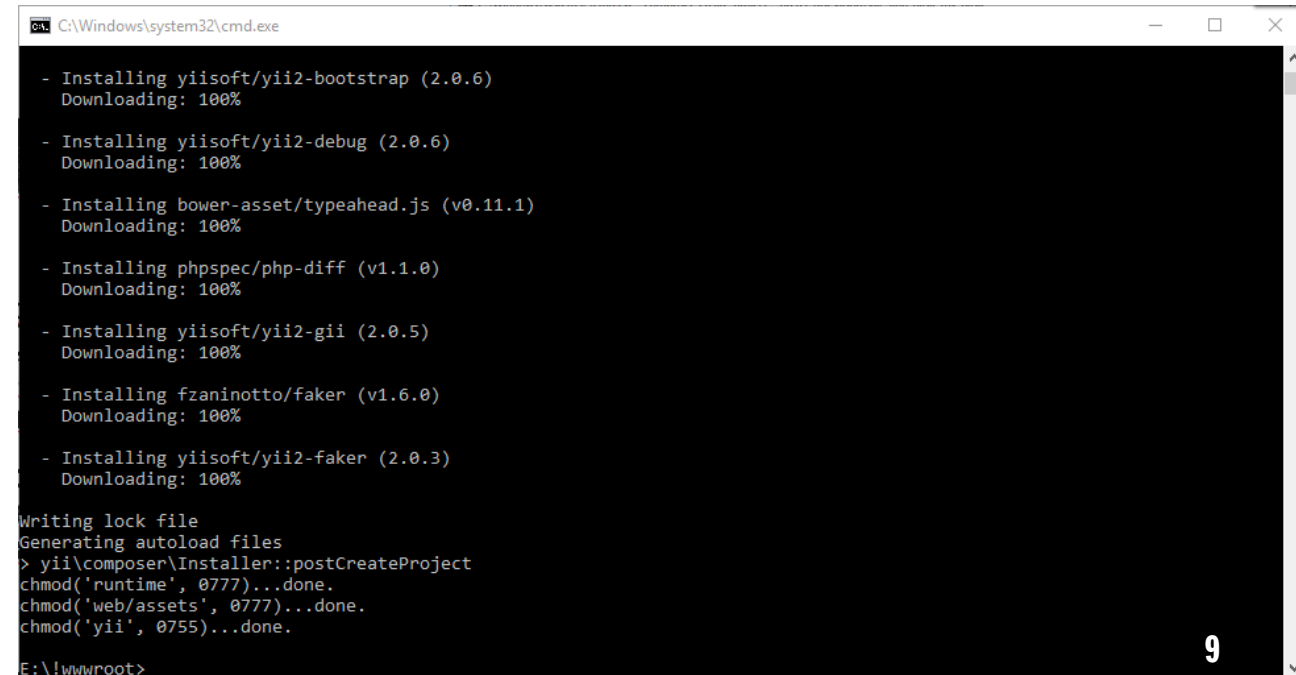


3. Menginstall Yii2

- Buka jendela command prompt dan pastikan anda telah berada pada direktori yang dapat diakses dari web (misal: c:\xampp\htdocs).
- Ketik perintah:
`composer create-project --prefer-dist yiisoft/yii2-app-basic my_basic`
- Klik **icon cmd di kiri atas -> Edit -> Paste** untuk mem-paste token yang telah anda copy pada langkah sebelumnya. (token hanya perlu dimasukkan satu kali saja)
- Tekan tombol **Enter**.



```
C:\Windows\system32\cmd.exe - composer create-project --prefer-dist yiisoft/yii2-app-basic my_basic
Restore
Move
Size
- Minimize
Maximize
x Close
Edit >
  Mark Ctrl-M
  Copy Enter
  Paste Ctrl-V
  Select All Ctrl-A
  Scroll
  Find... Ctrl-F
Defaults
Properties
Could not fetch head information from repository https://github.com/yiisoft/yii2-app-basic (2.0.9)
Head to https://github.com/yiisoft/yii2-app-basic (2.0.9) to retrieve a token. It will be stored in "C:/Users/Syauqi/AppData/Roaming/Composer/auth.json" for future use by Composer.
Token (hidden):
```



```
C:\Windows\system32\cmd.exe
- Installing yiisoft/yii2-bootstrap (2.0.6)
  Downloading: 100%
- Installing yiisoft/yii2-debug (2.0.6)
  Downloading: 100%
- Installing bower-asset/typeahead.js (v0.11.1)
  Downloading: 100%
- Installing phpspec/php-diff (v1.1.0)
  Downloading: 100%
- Installing yiisoft/yii2-gii (2.0.5)
  Downloading: 100%
- Installing fzaninotto/faker (v1.6.0)
  Downloading: 100%
- Installing yiisoft/yii2-faker (2.0.3)
  Downloading: 100%
Writing lock file
Generating autoload files
> yii\composer\Installer::postCreateProject
chmod('runtime', 0777)...done.
chmod('web/assets', 0777)...done.
chmod('yii', 0755)...done.
E:\!wwwroot>
```

Yii Requirement Checker

- Anda dapat melakukan pengecekan apakah webserver anda sudah memenuhi syarat yang dibutuhkan oleh aplikasi berbasis Yii2.
- Pada web browser, ketik url: `http://localhost/my_basic/requirements.php`

Conclusion

Your server configuration satisfies the minimum requirements by this application.
Please pay attention to the warnings listed below and check if your application will use the corresponding features.

Details

Name	Result	Required By	Memo
PHP version	Passed	Yii Framework	PHP 5.4.0 or higher is required.
Reflection extension	Passed	Yii Framework	
PCRE extension	Passed	Yii Framework	
SPL extension	Passed	Yii Framework	
MBString extension	Passed	Multibyte string processing	Required for multibyte encoding string processing.
OpenSSL extension	Passed	Security Component	Required by encrypt and decrypt methods.
Intl extension	Passed	Internationalization support	PHP Intl extension 1.0.2 or higher is required when you want to use advanced parameters formatting in <code>yii::t()</code> , non-latin languages with <code>Inflector::slug()</code> , IDN-feature of <code>EmailValidator</code> or <code>UrlValidator</code> or the <code>yii\i18n\Formatter</code> class.
ICU version	Passed	Internationalization support	ICU 49.0 or higher is required when you want to use <code>#</code> placeholder in plural rules (for example, plural in <code>Formatter::asRelativeTime()</code>) in the <code>yii\i18n\Formatter</code> class. Your current ICU version is 54.1.
Fileinfo extension	Passed	File Information	Required for files upload to detect correct file mime-types.
DOM extension	Passed	Document Object Model	Required for REST API to send XML responses via <code>yii\web\xmlResponseFormatter</code> .
PDO extension	Passed	All DB-related classes	

Struktur Direktori

(C:) > wamp > www > yii2-basic

Name	Date modified	Type
assets	25-06-2014 09:00 ...	File folder
commands	25-06-2014 09:00 ...	File folder
config	25-06-2014 09:00 ...	File folder
controllers	25-06-2014 09:00 ...	File folder
mail	25-06-2014 09:00 ...	File folder
models	25-06-2014 09:00 ...	File folder
runtime	25-06-2014 09:00 ...	File folder
tests	25-06-2014 09:00 ...	File folder
vendor	25-06-2014 09:01 ...	File folder
views	25-06-2014 09:00 ...	File folder
web	25-06-2014 09:00 ...	File folder
.gitignore	25-06-2014 09:00 ...	GITIGNORE File
codeception.yml	25-06-2014 09:00 ...	YML File
composer.json	25-06-2014 09:00 ...	JSON File
composer.lock	25-06-2014 09:01 ...	LOCK File
LICENSE.md	25-06-2014 09:00 ...	MD File
README.md	25-06-2014 09:00 ...	MD File
requirements.php	25-06-2014 09:00 ...	PHP File
yii	25-06-2014 09:00 ...	File
yii.bat	25-06-2014 09:00 ...	Windows Batch

Name	Date modified	Type	Size
backend	11-05-2014 AM 08...	File folder	
common	11-05-2014 AM 08...	File folder	
console	11-05-2014 AM 08...	File folder	
environments	11-05-2014 AM 08...	File folder	
frontend	11-05-2014 AM 08...	File folder	
vendor	11-05-2014 AM 09...	File folder	
.gitignore	11-05-2014 AM 08...	GITIGNORE File	1 KB
composer.json	11-05-2014 AM 08...	JSON File	2 KB
composer.lock	11-05-2014 AM 09...	LOCK File	23 KB
init	11-05-2014 AM 08...	File	5 KB
init	11-05-2014 AM 08...	Windows Batch File	1 KB
LICENSE.md	11-05-2014 AM 08...	MD File	2 KB
README.md	11-05-2014 AM 08...	MD File	6 KB
requirements	11-05-2014 AM 08...	PHP File	5 KB
yii	11-05-2014 AM 08...	Windows Batch File	1 KB

Latihan:

1. Install yii2 advanced template menggunakan Composer pada directory dengan nama "mymart"



Terima Kasih