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How to install yii2.0 basic and advanced application using composer and archived files

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Currently, there are two Yii 2.0 application templates available:

- Basic Application Template – a basic frontend application template.
- Advanced Application Template – consisting of a frontend, a backend, console resources, common (shared code), and support for environments.

Before Installation:

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- Make sure you are using php version > php 5.4, if not upgrade it.
- To enable or recompile php with openssl, Find line `;extension=php_openssl.dll` in `C:\wamp\bin\php\php.version\php.ini` and uncomment it by removing the semicolon (;) from the beginning of the line.

Note: WAMP uses different php.ini files in the CLI and for Apache. when you enable php openssl through the WAMP UI, you enable it for Apache, not for the CLI. You need to modify

`C:\wamp\bin\php\php.version\php.ini` to enable it for the CLI otherwise, it shows error "openssl extension is missing" while installing composer.

Installing Composer

Download and run <https://getcomposer.org/Composer-Setup.exe>

OR

on Linux or Mac, run the following commands:

```
curl -s http://getcomposer.org/installer |  
php  
mv composer.phar /usr/local/bin/composer
```

To check the composer installation, Type the below code in command prompt

```
composer
```

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```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\Users\karthic>cd..
'cd..' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\karthic>cd..

C:\Users>composer

Composer version 28c65b5425f7f8722c260e3787b74c1ea6b37e3b 2014-06-22 18:24:28

Usage:
  [options] command [arguments]

Options:
  -h           Display this help message.
  -quiet       Do not output any message.
  -verbose     Increase the verbosity of messages: 1 for normal output, 2 for more verbose output and 3 for debug
  --version    Display this application version.
  --ansi       Force ANSI output.
  --no-ansi    Disable ANSI output.
  --no-interaction -n Do not ask any interactive question.
  --profile    Display timing and memory usage information
  --working-dir -d If specified, use the given directory as working directory

Available commands:
  about          Short information about Composer
  archive        Create an archive of this composer package
  config         Set config options
  create-project Create new project from a package into given directory.
  depends        Shows which packages depend on the given package
  diagnose       Diagnoses the system to identify common errors.
  dump-autoload  Dumps the autoloader
  dump-autoload  Allows running commands in the global composer dir <$COMPOSER
  global HOME>.
  help           Displays help for a command
  init           Creates a basic composer.json file in current directory.
  install        Installs the project dependencies from the composer.lock file
  if-present, or falls back on the composer.json.
  licenses       Show information about licenses of dependencies
  list           Lists commands
  require        Adds required packages to your composer.json and installs the
  run-script     Run the scripts defined in composer.json.
  search         Search for packages
  self-update    Updates composer.phar to the latest version.
  selfupdate     Updates composer.phar to the latest version.
  show           Show information about packages
  status        Show a list of locally modified packages
  update        Updates your dependencies to the latest version according to
  composer.json, and updates the composer.lock file.
  validate       Validates a composer.json

C:\Users>
```

yii2 Composer Installation

Installing Yii2.0 Basic Application Template via composer

To install basic application template, make sure your command prompt directory pointing to web accessible folder c:/wamp/www and type the following command in command prompt.

```
c:\wamp\www> composer create-project --prefer-dist --stability=dev yiisoft/yii2-app-basic yii2-basic
```

OR

```
c:\> composer create-project --prefer-dist --stability=dev yiisoft/yii2-app-basic c:/wamp/www/yii2-basic
```

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```
C:\Windows\system32\cmd.exe

c:\wamp\www>composer create-project --prefer-dist --stability=dev yiisoft/yii2-a
pp-basic yii2-basic
Installing yiisoft/yii2-app-basic <dev-master 2193366f3f21ed7f1af115ba08e4cc5748
63638c>
- Installing yiisoft/yii2-app-basic <dev-master master>
  Downloading: 100%
Created project in yii2-basic
Loading composer repositories with package information
Installing dependencies (including require-dev)
- Installing ezyang/htmlpurifier (v4.6.0)
  Loading from cache
- Installing swiftmailer/swiftmailer <dev-master 0ad7a82>
  Loading from cache
- Installing yiisoft/jquery (2.1.1)
  Loading from cache
- Installing yiisoft/jquery-pjax <dev-master 520f8c1>
  Loading from cache
- Installing cebe/markdown <0.9.x-dev 6a3c373>
  Loading from cache
- Installing yiisoft/yii2-composer <dev-master 22f31f5>
  Loading from cache
- Installing yiisoft/yii2 <dev-master 08hcdhc>
  Downloading: 100%
- Installing phpspec/php-diff <dev-master 30e103d>
  Loading from cache
- Installing yiisoft/yii2-swiftmailer <dev-master cc6d73e>
  Loading from cache
- Installing yiisoft/yii2-codeception <dev-master a77f30b>
  Loading from cache
- Installing tchu/bootstrap <dev-master e98fc37>
  Loading from cache
- Installing yiisoft/yii2-bootstrap <dev-master 4c84a91>
  Loading from cache
- Installing yiisoft/yii2-debug <dev-master 403ca66>
  Downloading: 100%
- Installing yiisoft/yii2-gii <dev-master e13e92d>
  Loading from cache
Writing lock file
Generating autoload files
Setting writable: runtime ...done
Setting writable: web/assets ...done
Setting executable: yii ...done
c:\wamp\www>
```

Create Yii2 Basic Application Template using Composer

Folder Structure Of Basic Application Template

After installation of yii2.0 basic application template, you will get the folder structure like this.

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(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

Folder Structure of Yii2 Basic Application Template

Access your basic application template via

<http://localhost/yii2-basic/web>

Installing Yii2.0 Advanced Application Template via composer

To create advanced application template, make sure your command prompt directory pointing to web accessible folder `c:/wamp/www` and type the following command in command prompt.

```
c:\>composer create-project --prefer-dist --stability=dev yiisoft/yii2-app-advanced c:/wamp/www/yii2advanced
```

OR

```
c:\wamp\www> composer create-project --prefer-dist --stability=dev yiisoft/yii2-app-advanced yii2advanced
```

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```
C:\Windows\system32\cmd.exe

C:\>composer create-project --prefer-dist --stability=dev yiisoft/yii2-app-advanced c:/wamp/www/yii2advanced
Installing yiisoft/yii2-app-advanced (dev-master bacc9b60d37d1c790087942535d1e449f7054)
- Installing yiisoft/yii2-app-advanced (dev-master master)
  Downloading: 100%

Created project in c:/wamp/www/yii2advanced
Loading composer repositories with package information
Installing dependencies (including require-dev)
- Installing ezyang/htmlpurifier (v4.6.0)
  Loading from cache
- Installing swiftmailer/swiftmailer (dev-master 0ad7a82)
  Downloading: 100%
- Installing yiisoft/jquery (2.1.1)
  Loading from cache
- Installing yiisoft/jquery-pjax (dev-master 520f8c1)
  Loading from cache
- Installing cebe/markdown (0.9.x-dev 6a3c373)
  Downloading: 100%
- Installing yiisoft/yii2-composer (dev-master 22f31f5)
  Downloading: 100%
- Installing yiisoft/yii2 (dev-master b836e39)
  Downloading: 100%
- Installing phpspec/php-diff (dev-master 30e103d)
  Loading from cache
- Installing yiisoft/yii2-swiftmailer (dev-master cc6d73e)
  Downloading: 100%
- Installing yiisoft/yii2-codeception (dev-master a77f30b)
  Downloading: 100%
- Installing twbs/bootstrap (dev-master e98fc37)
  Downloading: 100%
- Installing yiisoft/yii2-bootstrap (dev-master 4c84a91)
  Downloading: 100%
- Installing yiisoft/yii2-debug (dev-master 534259f)
  Downloading: 100%
- Installing yiisoft/yii2-gii (dev-master e13e92d)
  Downloading: 100%

Writing lock file
Generating autoload files
Setting writable: backend/runtime ...done
Setting writable: backend/web/assets ...done
Setting writable: frontend/runtime ...done
Setting writable: frontend/web/assets ...done

C:\>_
```

Create Yii2 Advanced Template using Composer

Folder Structure Of Advanced Application Template

After installation of yii2.0 advanced application template, you will get the folder structure like this.

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(C:) > wamp > www > yii2advanced >		
Name	Date modified	Type
backend	24-06-2014 10:19 ...	File folder
common	24-06-2014 10:19 ...	File folder
console	24-06-2014 10:19 ...	File folder
environments	24-06-2014 10:19 ...	File folder
frontend	24-06-2014 10:19 ...	File folder
vendor	24-06-2014 10:21 ...	File folder
.gitignore	24-06-2014 10:19 ...	GITIGNORE File
composer.json	24-06-2014 10:19 ...	JSON File
composer.lock	24-06-2014 10:21 ...	LOCK File
init	24-06-2014 10:19 ...	File
init.bat	24-06-2014 10:19 ...	Windows Batch
LICENSE.md	24-06-2014 10:19 ...	MD File
README.md	24-06-2014 10:19 ...	MD File
requirements.php	24-06-2014 10:19 ...	PHP File
yii	24-06-2014 10:34 ...	File
yii.bat	24-06-2014 10:19 ...	Windows Batch

Folder Structure of Yii2 Advanced Application Template

Installing Yii2.0 from an Archive File

1. Download the archive file from yiiframework.com
2. Unpack the downloaded file to a Web accessible folder.

Getting Started

1. After installation of application, you have to follow these steps to initialize the installed application. You only need to do these once for all.

type the following code in your command prompt to initialise

```
php c:/wamp/www/yii2advanced/init
```

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```
C:\Windows\system32\cmd.exe
C:\>php c:/wamp/www/yii2advanced/init
Yii Application Initialization Tool v1.0

Which environment do you want the application to be initialized in?
[0] Development
[1] Production
Your choice [0-1, or "q" to quit] 0
Initialize the application under 'Development' environment? [yes|no] yes
Start initialization ...

generate backend/config/main-local.php
generate backend/config/params-local.php
generate backend/web/index-test.php
generate backend/web/index.php
generate common/config/main-local.php
generate common/config/params-local.php
generate console/config/main-local.php
generate console/config/params-local.php
generate frontend/config/main-local.php
generate frontend/config/params-local.php
generate frontend/web/index-test.php
generate frontend/web/index.php
generate yii
chmod 0777 backend/runtime
chmod 0777 backend/web/assets
chmod 0777 frontend/runtime
chmod 0777 frontend/web/assets
chmod 0755 yii
... initialization completed.

C:\>
```

Yii2 Advanced Application Initialisation

2. Create a new database and adjust the components.db configuration

in C:/wamp/www/yii2advanced/common/config/main-local.php accordingly.

3. Apply migrations with console command

c:\wamp\www\yii2advanced> yii migrate

```
C:\Windows\system32\cmd.exe
C:\>cd wamp/www/yii2advanced
C:\wamp\www\yii2advanced>yii migrate
Yii Migration Tool (based on Yii v2.0.0-dev)
Creating migration history table "migration"...done.
Total 1 new migration to be applied:
m130524_201442_init
Apply the above migration? (yes|no) [no]:yes
*** applying m130524_201442_init
> create table "<users>"... done (time: 0.029s)
*** applied m130524_201442_init (time: 0.057s)

Migrated up successfully.
C:\wamp\www\yii2advanced>
```

Yii2 Migration

4. Set document roots of your Web server:

for frontend /path/to/yii-

application/frontend/web/ [In my

CASE http://localhost/yii2advanced/frontend/web/index.php"

for backend /path/to/yii-

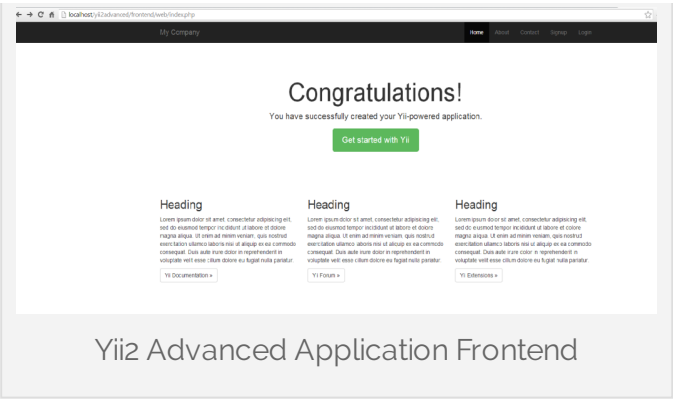
application/backend/web/ [In my

CASE http://localhost/yii2advanced/backend/web/]

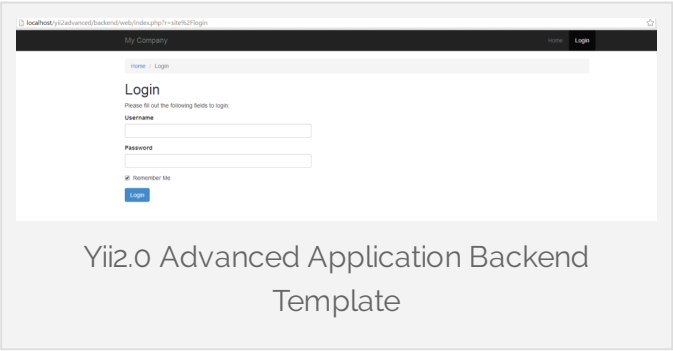
Yii2.0 Advanced Application Frontend Template

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Yii2.0 Advanced Application Backend Template



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