

Membuat Extension

Setelah mengetahui apa itu *extension*, serta bagaimana menggunakannya, maka kini saatnya kita membuat sendiri *extension*.

Pada pertemuan sebelumnya kita sudah membuat suatu *extension* yaitu *widget* Alert. Pada bagian ini kita akan mencoba agar *extension* itu bisa kita instal menggunakan Composer sehingga bisa dapat digunakan oleh orang lain di seluruh dunia.

Membuat Extension

Persiapan Kode Dasar

1. Akses Gii

```
http://localhost/basic/web/gii
```

2. Pilih *Extension Generator*

Extension Generator

This generator helps you to generate the files needed by a Yii extension.

Start »

Membuat Extension

3. Isi Form lalu klik tombol *Preview*

Extension Generator

This generator helps you to generate the files needed by a Yii extension.

Please read the [Extension Guidelines](#) before creating an extension.

Vendor Name

edoriansyah

Package Name

yii2-alert-nf

Namespace

edoriansyah\alert\

Type

yii2-extension ▼

Keywords

yii2,extension,alert

License

MIT ▼

Title

yii2-alert-nf

Description

Widget Alert twitter bootstrap for Yii Framework 2

Author Name

Edo Riansyah

Author Email

edoriansyah@gmail.com

Output Path

@app/runtime/tmp-extensions

Code Template

default (/var/www/basic/vendor/yiisoft/yii2-gii/generators/extension/default)

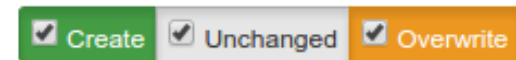
Preview

Membuat Extension

4. Klik tombol *Generate*



Click on the above **Generate** button to generate the files selected below:



Code File	Action	<input checked="" type="checkbox"/>
runtime/tmp-extensions/yii2-alert-nf/composer.json	create	<input checked="" type="checkbox"/>
runtime/tmp-extensions/yii2-alert-nf/AutoloadExample.php	create	<input checked="" type="checkbox"/>
runtime/tmp-extensions/yii2-alert-nf/README.md	create	<input checked="" type="checkbox"/>

extension akan ter-generate di

```
@app/runtime/tmp-extensions
```

Membuat Extension



Koding *Extension*

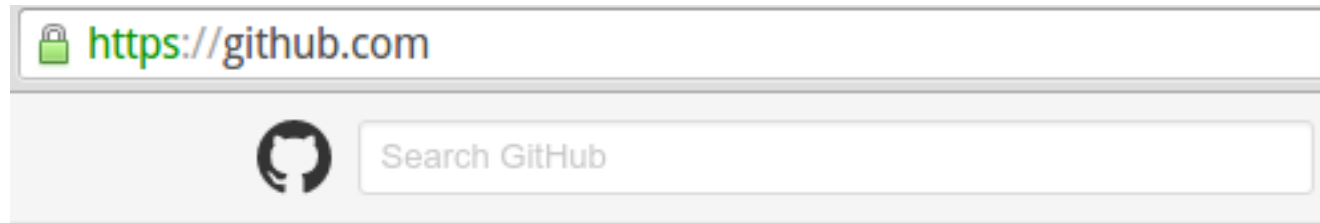
1. Copy *file widget* Alert [@app/widgets/Alert.php](#) ke dalam direktori [@app/runtime/tmp-extensions/yii2-alert-nf/Alert.php](#) lalu *sesuaikan* namespace nya. Lalu hapus *file* AutoloadExample.

```
<?php
namespace edoriansyah\alert;
use Yii;
class Alert extends \yii\bootstrap\Widget
{
    public function init()
    {
        parent::init();
        if(Yii::$app->session->hasFlash('success')){
            echo '<div class="alert alert-success">';
            echo Yii::$app->session->getFlash('success');
            echo '</div>';
        }else if (Yii::$app->session->hasFlash('error')){
            echo '<div class="alert alert-danger">';
            echo Yii::$app->session->getFlash('error');
            echo '</div>';
        }
    }
}
```

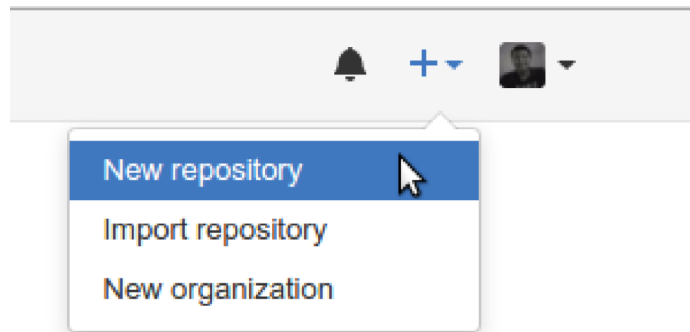
Membuat Extension

Upload Extension

1. Buat repo di Github, caranya login ke <https://github.com>



2. Klik tanda + di sebelah kanan, pilih *New repository*



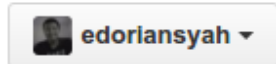
Membuat Extension

3. Isi *form create* repo, sebagai berikut. Lalu klik tombol Create repository

Create a new repository

A repository contains all the files for your project, including the revision history.

Owner



Repository name



Great repository names are short and memorable. Need inspiration? How about **fantastic-octo-engine**.

Description (optional)

Widget Alert twitter Bootstrap for Yii Framework 2



Public

Anyone can see this repository. You choose who can commit.



Private

You choose who can see and commit to this repository.



Initialize this repository with a README

This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing

Add .gitignore: **None** ▾

Add a license: **None** ▾



Create repository

Membuat Extension

4. Catat alamat URL git nya

```
https://github.com/edoriansyah/yii2-alert-nf.git
```


Membuat Extension

Upload Repo Local ke Github

1. Jalankan perintah berikut

```
cd /var/www/basic/runtime/tmp-extensions/yii2-alert-nf  
git init
```

2. Kemudian daftarkan (*commit*) *file extension* kita ke repo Git lokal kita.
Jalankan perintah berikut

```
git add -A  
git commit -m "init"
```

3. Hubungkan repo lokal dengan Github

```
git remote add origin https://github.com/edoriansyah/yii2-alert-nf.git
```





4. Upload repo lokal ke Github

```
git push -u origin master
```

Membuat Extension

```
bangris@bangris-compi:/var/www/basic/runtime/tmp-extensions/yii2-alert-nf$ git push -u origin master
Username for 'https://github.com': edoriansyah
Password for 'https://edoriansyah@github.com':
To https://github.com/edoriansyah/yii2-alert-nf.git
 * [new branch]      master -> master
Branch master set up to track remote branch master from origin.
bangris@bangris-compi:/var/www/basic/runtime/tmp-extensions/yii2-alert-nf$
```

5. Selesai. Sekarang *file extension* kita telah muncul di Github.

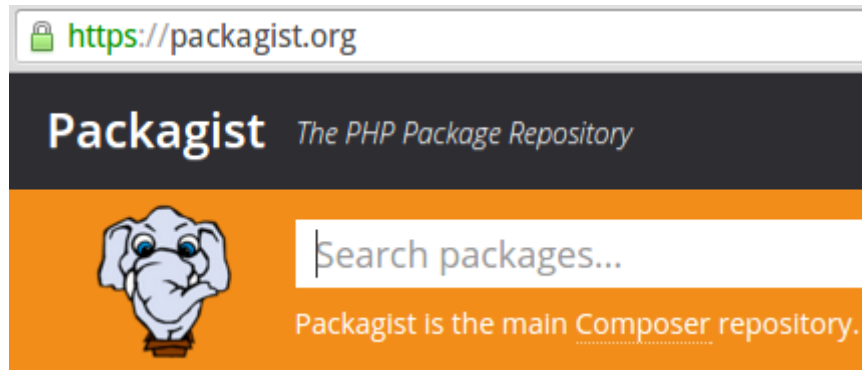
 edoriansyah init		Latest commit 49d6ae2 10 minutes ago
 Alert.php	init	10 minutes ago
 README.md	init	10 minutes ago
 composer.json	init	10 minutes ago

Membuat Extension

Hubungkan Github ke Packagist

Agar *extension* kita bisa diinstal dengan mudah menggunakan Composer maka kita perlu hubungkan antara akun repo dari *extension* kita ke Github dengan Packagist. Caranya:

1. Akses packagist.org



2. Silakan sign in, gunakan "*Use Github*"

Membuat Extension

3. Setelah *login*, klik menu *Submit* di panel atas
4. Pada *form submit package*, masukkan alamat URL *extension* kita di Github. Lalu *Check* dan *Submit*

Submit package

Repository URL (Git/Svn/Hg)

The package name found for your repository is: **edoriansyah/yii2-alert-nf**, press Submit to confirm.

Submit

Membuat Extension

5. Berhasil

★ **edoriansyah/yii2-alert-nf**

⬇ `composer require edoriansyah/yii2-alert-nf`

This package is not auto-updated. Please set up the [GitHub Service Hook](#) for Packagist so that it gets updated whenever you push!

Widget Alert twitter bootstrap for Yii Framework 2

Abandon

Delete

Update

Edit

Membuat Extension

Auto update packagist from Github

Kalau kita perhatikan bahwa paket yang telah kita buat belum *auto update*, artinya ketika *extension* di Github di *update* maka paket kita tidak serta merta *ter-update*. Oleh karena itu kita perlu membuatnya *auto update*. Caranya :

1. Akses URL ini

```
https://packagist.org/profile/
```

2. Klik *Show API Token*

Your API Token

Show API Token

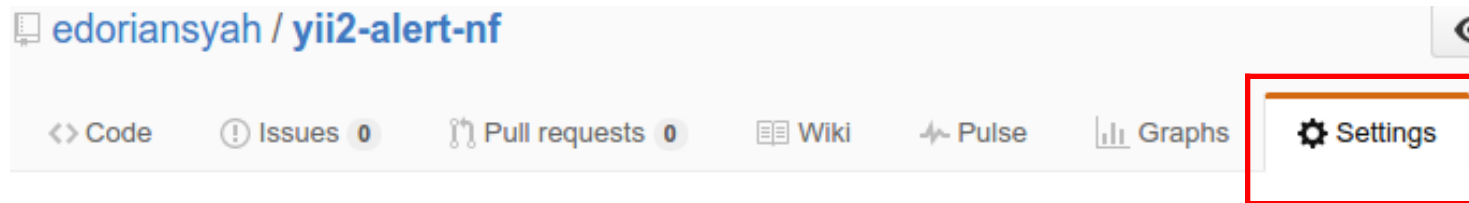
You can use your API token to interact with the Packagist API, see details in [the docs](#).

Membuat Extension

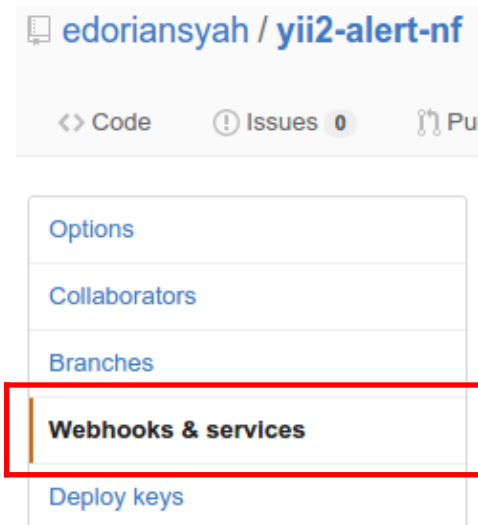
3. *Copy token* yang muncul.
4. Buka halaman *extension* kita di Github, melalui URL

```
https://github.com/edoriansyah/yii2-alert-nf
```

5. Klik *tab Settings*

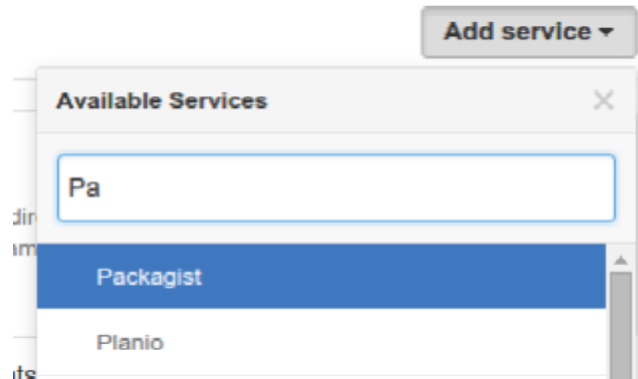


6. Pilih menu *Webhooks & services*, lalu pilih *Add service*

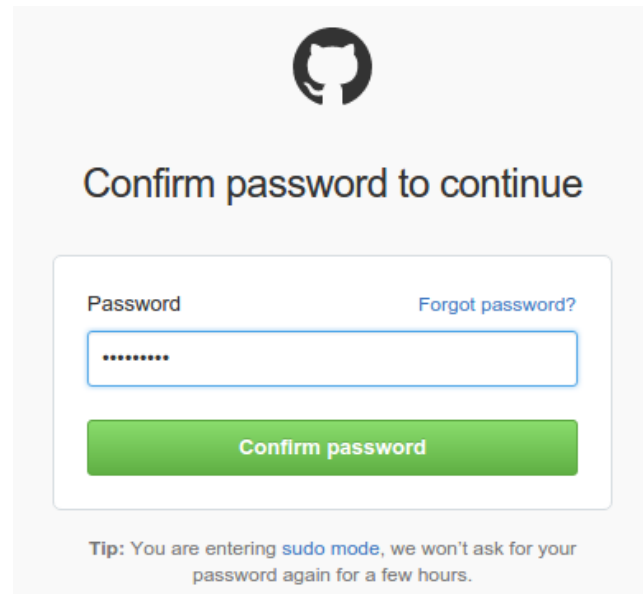


Membuat Extension

7. Cari Packagist, lalu klik Packagist



8. Github meminta konfirmasi password akun Github kita



Membuat Extension

9. Masukkan *token* yang kita peroleh dari Packagist, kemudian klik *Add service*

User

edoriansyah

Token

.....

Domain

https://packagist.org




Active

We will run this service when an event is triggered.

Add service

Membuat Extension

9. Jika sudah, klik Packagist Services

**GitHub integrations directory**

Everything you need to build software is now in one of the highest quality integrations made to help you a better, together.

Services are pre-built integrations that perform certain actions check out our [service hooks guide](#).

☒ Packagist

10. Klik *test service* dan selesai

Services / **Manage Packagist** Test service

Okay, the test payload is on its way. ×

Packagist – the main Composer repository

Membuat Extension

Uji coba *Extension*

Mari kita coba instal *extension* kita menggunakan perintah berikut.

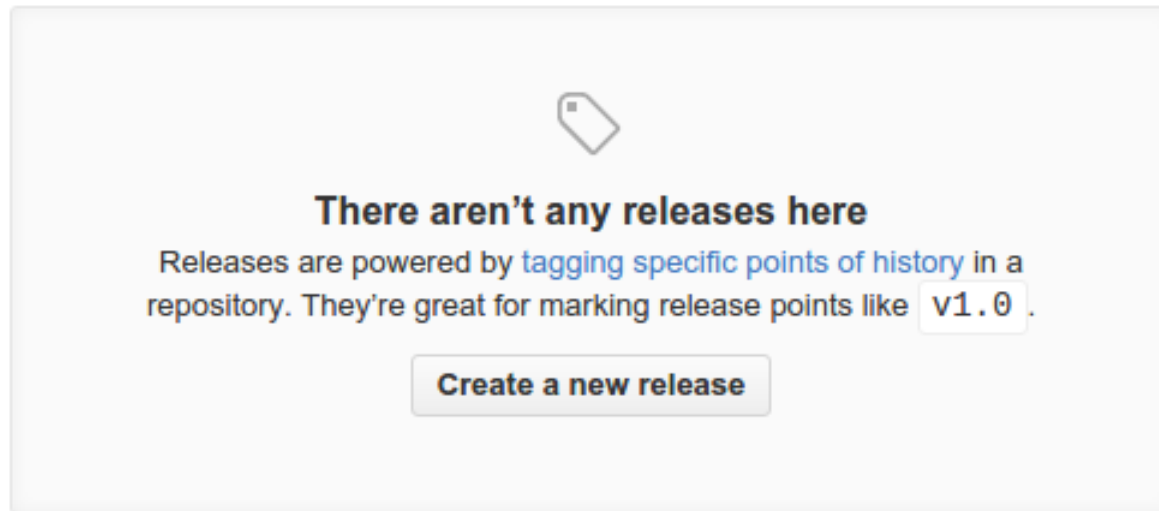
```
composer require --prefer-dist edoriansyah/yii2-alert-nf "*" 
```

Membuat Extension

Release Extension

Caranya:

1. Pada halaman *extension* kita di Github, klik menu *release* lalu klik tombol *Create a new release*




Membuat Extension

2. Pada *form release* masukkan sebagai berikut

v1.0.0

@

 Target: **master** ▼

Excellent! This tag will be created from the target when you publish this release.

Initial

Write

Preview

Release initial

3. Klik *Publish release*

☐ **This is a pre-release**
We'll point out that this release is identified as non-production ready.

Publish release

Save draft

Membuat Extension

4. Selesai

Latest release

v1.0.0

49d6ae2

Initial

 edoriansyah released this an hour ago

Release initial

Downloads

 [Source code \(zip\)](#)

 [Source code \(tar.gz\)](#)