

# Laravel Storage X GCS

James 2017.07.01

# 管理靜態檔案的統一介面

# 開始使用

```
use Illuminate\Support\Facades\Storage;
```

```
Storage::method();
```

```
Storage::disk()->method();
```



## 也可以利用 Resolver

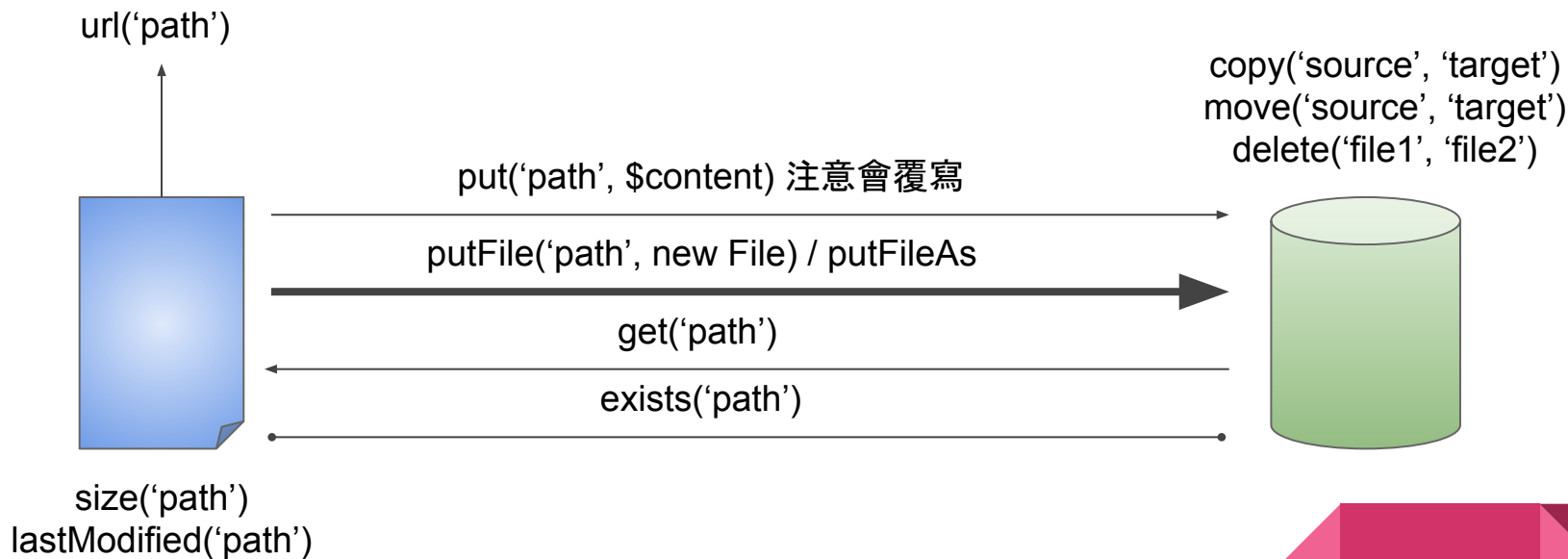
```
use Illuminate\Contracts\Filesystem\Filesystem;
```

```
protected $local;
```

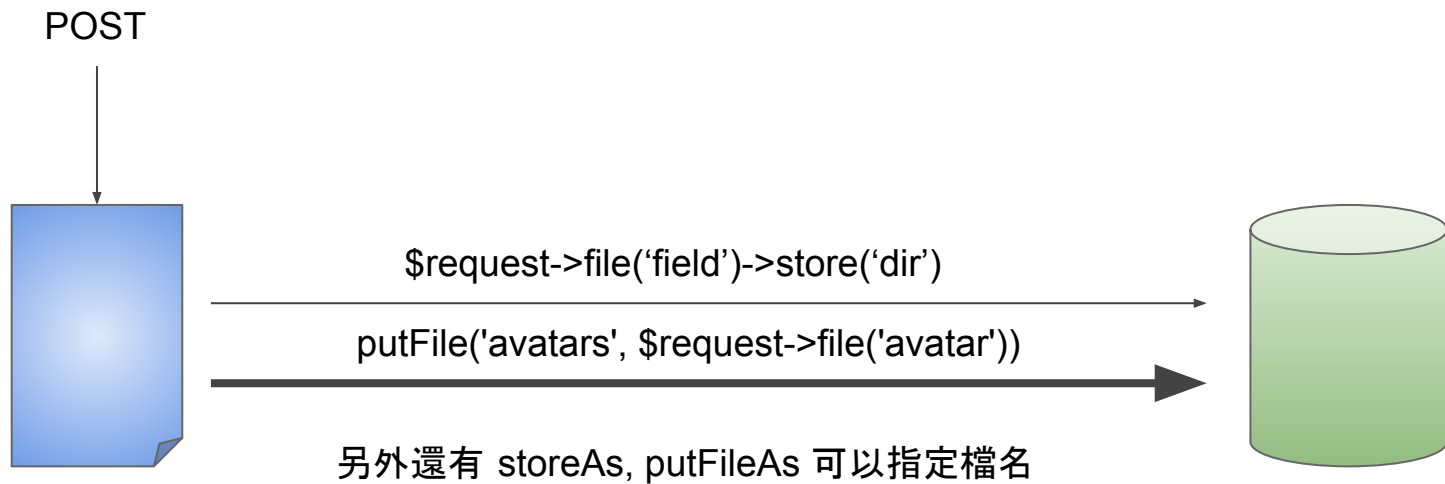
```
public function __construct(Filesystem $local) = Storage::disk()  
{  
    $this->local = $local;  
}
```



# 常用基本功能



# 上傳檔案時



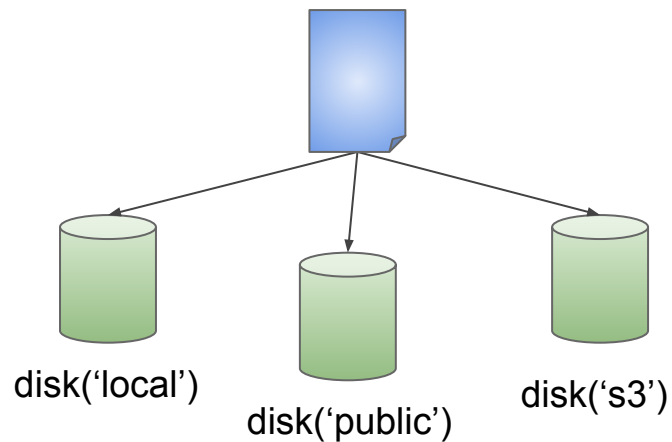
# 其他功能

- 是否公開檔案 (Cloud用):  
getVisibility('path'), setVisibility('path', 'public/private')
- 取得資料夾檔案清單: files(\$dir), allFiles(\$dir)
- 取得資料夾下資料夾清單: directories(\$dir), allDirectories(\$dir)



# 遊走不同空間

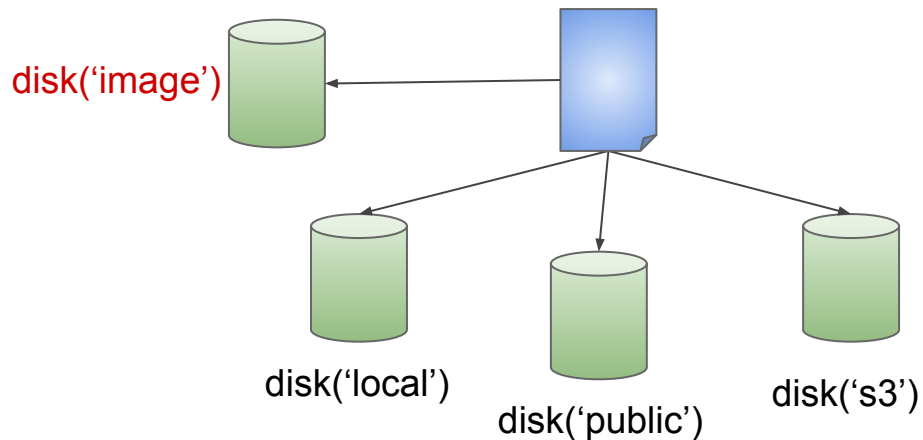
Storage::disk()





# 增加不同的 disk

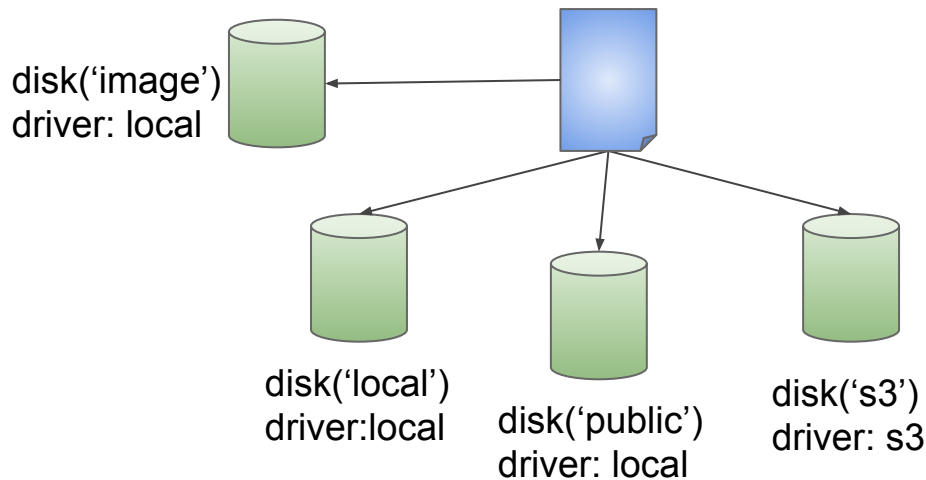
Storage::disk()



```
'image' => [  
    'driver' => 'local',  
    'root' => storage_path('app/image')  
]
```

# 同一個Driver, 可以設成不同組的Disk

Storage::disk()



# Disk vs Driver

Disk 決定存放的**地方**

Driver 決定存放的**方法**



# 擴增 driver

Laravel 提供了基本的 driver

1. local
2. ftp
3. s3 (要另外加 Package)
4. rackspace (要另外加Package)



沒有 GCS.....

# Google Cloud Storage

- 使用方法類似 AWS S3
- 透過API存取
- 看網路好像可以直接使用S3的Driver來用



# superbalist/laravel-google-cloud-storage

1. 將 `superbalist/flysystem-google-storage` 包成 Service 提供給 Laravel
2. 加入 Service provider、調好設定就可以用了

## Installation

```
composer require superbalist/laravel-google-cloud-storage
```

Register the service provider in `app.php`

```
'providers' => [  
    // ...  
    Superbalist\LaravelGoogleCloudStorage\GoogleCloudStorageServiceProvider::class,  
]
```

Add a new disk to your `filesystems.php` config

```
'gcs' => [  
    'driver' => 'gcs',  
    'project_id' => env('GOOGLE_CLOUD_PROJECT_ID', 'your-project-id'),  
    'key_file' => env('GOOGLE_CLOUD_KEY_FILE', null), // optional: /path/to/service-account.json  
    'bucket' => env('GOOGLE_CLOUD_STORAGE_BUCKET', 'your-bucket'),  
    'path_prefix' => env('GOOGLE_CLOUD_STORAGE_PATH_PREFIX', null), // optional: /default/path/to/apply/in/bucket  
    'storage_api_uri' => env('GOOGLE_CLOUD_STORAGE_API_URI', null), // see: Public URLs below  
],
```

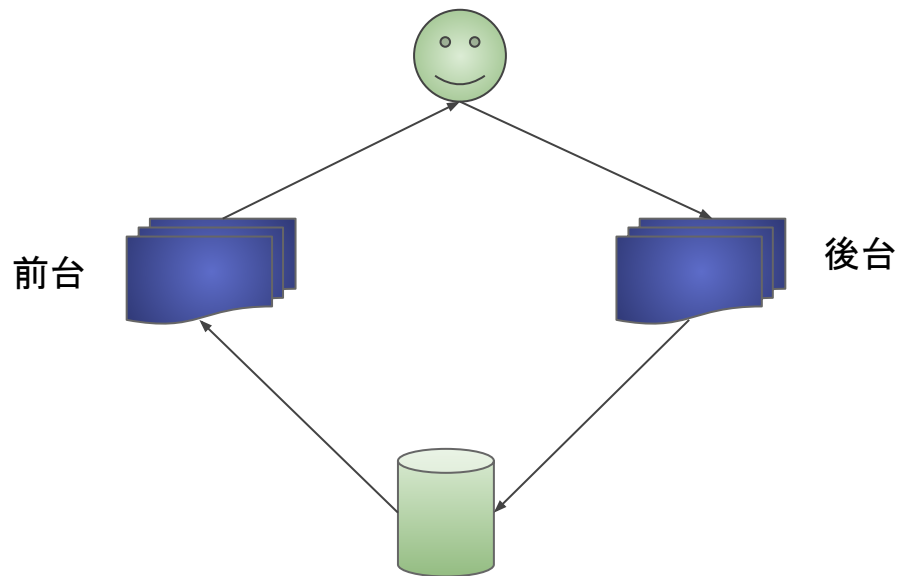
The background is a solid dark blue. In the top right corner, there is a decorative pattern of triangles in various shades of blue, including dark blue, medium blue, and light blue.

# 完成

這是真的！

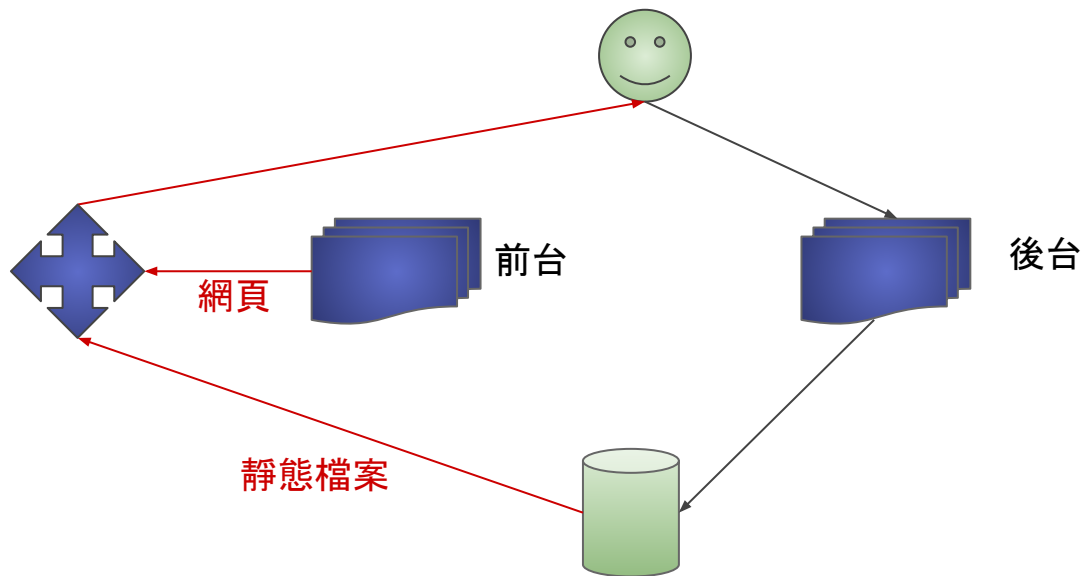


# 跨平台配置



<https://storage.cloud.google.com/bucket/path/...>

# Google Cloud Load Balancing



<https://www.cool3c.com/path/...>

# 設定 Load balancing

編輯後端 Bucket

名稱

bucket-cool3c-production

⌵ Description

Cloud Storage Bucket



cool3c-production

瀏覽

Cloud CDN ⓘ

☐ 啟用 Cloud CDN

www.cool3c.com ✕

/files/\* ✕

bucket-cool3c-production ▾



好像忘了什麼？

```
/*  
|-----  
| Default Cloud Filesystem Disk  
|-----  
|  
| Many applications store files both locally and in the cloud. For this  
| reason, you may specify a default "cloud" driver here. This driver  
| will be bound as the Cloud disk implementation in the container.  
|  
*/  
  
'cloud' => env('FILESYSTEM_CLOUD', 'gcs'),
```

你那位...



# Local default VS Cloud default

Laravel 提供兩種預設的儲存空間：

1. 本地
2. 雲端

不用指定 disk, 直接使用。



在本地時

```
use Illuminate\Support\Facades\Storage;
```

```
Storage::method();
```

```
Storage::disk()->method();
```





在雲端時

```
use Illuminate\Support\Facades\Storage;
```

```
Storage::cloud()->method();
```

```
Storage::disk('gcs')->method();
```



# 當然也可以利用 Resolver

```
use Illuminate\Contracts\Filesystem\Cloud;
```

```
protected $cloud;
```

```
public function __construct(Cloud $cloud) = Storage::cloud()  
{  
    $this->cloud = $cloud;  
}
```



# James

上癮科技 總工程師

<https://lista.tw/>

