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  - [Laravel 5.0](#)
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LTS Laravel 5.1 bug LTS Laravel

bug

> [Laravel](#) - by [Summer](#)

Laravel 5.4.22

Laravel 5.4.22 Laravel 5.4 URL URL

Laravel 5.1 URL

```
{{ url('http://example.com/password/reset/'.$token) }}
```

Laravel 5.4

Laravel 5.4 Laravel 5.3

- [Markdown](#)
- [Laravel Dusk](#)
- Laravel Mix
- Blade "components" "slots"
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- Redis Cluster
- pivot
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reviewed

> {tip} Github   [on GitHub](#)

Markdown

> {video} Laracasts   video tutorial

Markdown Laravel HTML Markdown

```
@component('mail::message')
# Order Shipped

Your order has been shipped!

@component('mail::button', ['url' => $url])
View Order
@endcomponent

Next Steps:

- Track Your Order On Our Website
- Pre-Sign For Delivery

Thanks,<br>
{{ config('app.name') }}
@endcomponent
```

Markdown Laravel HTML

Laravel

Order Shipped

Your order has been shipped!

View Order

Next Steps:

- Track Your Order On Our Website
- Pre-Sign For Delivery

Thanks,
Laravel

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mail   notification

| {tip} Markdown   `vendor:publish` Artisan   `laravel-mail`

Laravel Dusk

| {video} Laracasts   video tutorial

Laravel Dusk APIDusk JDK Selenium Dusk   ChromeDriver Selenium

Dusk JavaScript

```
/**
 * .
 *
 * @return void
 */
public function testBasicExample()
{
    $user = factory(User::class)->create([
```

```
        'email' => 'taylor@laravel.com',
    ]);

    $this->browse(function ($browser) use ($user) {
        $browser->loginAs($user)
                ->visit('/home')
                ->press('Create Playlist')
                ->whenAvailable('.playlist-modal', function ($modal) {
                    $modal->type('name', 'My Playlist')
                          ->press('Create');
                });

        $browser->waitForText('Playlist Created');
    });
}
```

Dusk　　　　Dusk

Laravel Mix

{video} Laracasts　　video tutorial

Laravel Mix Laravel Elixir Webpack GulpLaravel Mix API Webpack CSS JavaScript

```
mix.js('resources/assets/js/app.js', 'public/js')
   .sass('resources/assets/sass/app.scss', 'public/css');
```

Blade Components & Slots

{video} Laracasts　　video tutorial

Blade components slots sections layouts components slots "alert"

```
<!-- /resources/views/alert.blade.php -->

<div class="alert alert-danger">
    {{ $slot }}
</div>
```

{{ $slot }}　　　　　　　component Blade

```
@component('alert')
    <strong>Whoops!</strong> Something went wrong!
@endcomponent
```

slots slots

```
<!-- /resources/views/alert.blade.php -->

<div class="alert alert-danger">
    <div class="alert-title">{{ $title }}</div>

    {{ $slot }}
</div>
```

slots　　@slot　　　@slot　　@slot

```
@component('alert')
```

```
    @slot('title')
        Forbidden
    @endslot

    You are not allowed to access this resource!
@endcomponent
```

components slots　　　　　Blade documentation

HTTP　　　　　　　`Order` ID ID

```
use App\Order;

Broadcast::channel('order.{order}', function ($user, Order $order) {
    return $user->id === $order->user_id;
});
```

{video} Laracasts　video tutorial

""

contains　each　every　filter　first　map　partition　reject　sortBy　sortByDesc　　sum

　　　`each`

```
$users = User::where('votes', '>', 500)->get();

$users->each->markAsVip();
```

　　`sum`

```
$users = User::where('group', 'Development')->get();

return $users->sum->votes;
```

Eloquent

{video} Laracasts　video tutorial

Eloquent　Eloquent　Eloquent　　　　　　　　`$events`　Eloquent　　　　classes　：

```
<?php

namespace App;

use App\Events\UserSaved;
use App\Events\UserDeleted;
use Illuminate\Notifications\Notifiable;
use Illuminate\Foundation\Auth\User as Authenticatable;

class User extends Authenticatable
{
    use Notifiable;
```

```
    /**
     * The event map for the model.
     *
     * @var array
     */
    protected $events = [
        'saved' => UserSaved::class,
        'deleted' => UserDeleted::class,
    ];
}
```

5.4 "retry" "timeout" "" ""

```
<?php

namespace App\Jobs;

class ProcessPodcast implements ShouldQueue
{
    /**
     * The number of times the job may be attempted.
     *
     * @var int
     */
    public $tries = 5;

    /**
     * The number of seconds the job can run before timing out.
     *
     * @var int
     */
    public $timeout = 120;
}
```

.

> {video} Laracasts   video tutorial

Laravel 5.4   `TrimStrings`   `ConvertEmptyStringsToNull`

```
/**
 *  HTTP
 *
 *
 *
 * @var array
 */
protected $middleware = [
    \Illuminate\Foundation\Http\Middleware\CheckForMaintenanceMode::class,
    \Illuminate\Foundation\Http\Middleware\ValidatePostSize::class,
    \App\Http\Middleware\TrimStrings::class,
    \Illuminate\Foundation\Http\Middleware\ConvertEmptyStringsToNull::class,
];
```

`null`   `trim`

"" Facades

> {video} Laracasts　video tutorial

5.4 Laravel　　　　Facades Laravel 5.4 Facades　　　　　Facades

```php
<?php

namespace App\Services;

class PaymentGateway
{
    protected $tax;

    /**
     *
     *
     * @param  TaxCalculator  $tax
     * @return void
     */
    public function __construct(TaxCalculator $tax)
    {
        $this->tax = $tax;
    }

    /**
     * Pay the given amount.
     *
     * @param  int  $amount
     * @return void
     */
    public function pay($amount)
    {
        // Pay an amount...
    }
}
```

Facades

```php
use Facades\ {
    App\Services\PaymentGateway
};

Route::get('/pay/{amount}', function ($amount) {
    PaymentGateway::pay($amount);
});
```

Facades　Laravel　　　　　Facades :

```php
PaymentGateway::shouldReceive('pay')->with('100');
```

Pivot

Laravel 5.3,　`belongsToMany`　`Pivot`　Laravel 5.4 pivot　　　　　　`using`

```php
<?php

namespace App;

use Illuminate\Database\Eloquent\Model;

class Role extends Model
{
    /**
     *
```

```
     */
    public function users()
    {
        return $this->belongsToMany('App\User')->using('App\UserRole');
    }
}
```

Redis

5.4 Redis Laravel 5.4 Redis

Laravel Redis   Redis

Laravel 5.4   `utf8mb4`   "emojis" Laravel 5.3

MySQL 5.7.7 release   `AppServiceProvider`   `Schema::defaultStringLength`

```
use Illuminate\Support\Facades\Schema;

/**
 *
 *
 * @return void
 */
public function boot()
{
    Schema::defaultStringLength(191);
}
```

Laravel 5.3

Laravel 5.3 5.2

- Laravel Notifications
- Laravel Echo
- OAuth2 Laravel Passport
- Laravel Scout
- Laravel Elixir Webpack
- Mail Laravel Mailable
- `web`   `api`
-
-
- POPO
-

> {video} Laracasts   video tutorial

Laravel Notifications API Slack

```
$user->notify(new InvoicePaid($invoice));
```

Laravel iOS Android

WebSockets /

 Laravel Laravel 5.3 WebSocket

```
/*
 *
 */
Broadcast::channel('orders.*', function ($user, $orderId) {
    return $user->placedOrder($orderId);
});
```

Laravel Echo NPM JavaScript Laravel 5.3 Echo API JavaScript

Echo   Pusher   Socket.io

```
Echo.channel('orders.' + orderId)
    .listen('ShippingStatusUpdated', (e) => {
        console.log(e.description);
    });
```

Laravel Echo

```
Echo.join('chat.' + roomId)
    .here((users) => {
        //
    })
    .joining((user) => {
        console.log(user.name);
    })
    .leaving((user) => {
        console.log(user.name);
    });
```

 Echo   .

Laravel Passport (OAuth2)

{video} Laracasts   video tutorial

Laravel 5.3 Passport API Laravel Passport OAuth2 Passport Alex Bilbie   League OAuth2 server

Passport OAuth2 Access Token Web

Passport Vue OAuth2

```
<passport-clients></passport-clients>
<passport-authorized-clients></passport-authorized-clients>
<passport-personal-access-tokens></passport-personal-access-tokens>
```

 Vue Passport JSON API JavaScript

Passport API Token

```
Passport::tokensCan([
```

```
    'place-orders' => 'Place new orders',
    'check-status' => 'Check order status',
]);
```

Passport Token

```
Route::get('/orders/{order}/status', function (Order $order) {
    //  "check-status"
})->middleware('scope:check-status');
```

Passport JavaScript API

Passport JWT cookies CSRF

Passport

Laravel Scout

Laravel Scout   Eloquent

Scout Eloquent Scout   Algolia Scout

Searchable trait

```php
<?php

namespace App;

use Laravel\Scout\Searchable;
use Illuminate\Database\Eloquent\Model;

class Post extends Model
{
    use Searchable;
}
```

trait   `save`

```
$order = new Order;

// ...

$order->save();
```

```
return Order::search('Star Trek')->get();

return Order::search('Star Trek')->where('user_id', 1)->paginate();
```

Scout   Scout

Mailable

> {video} Laracasts   video tutorial

Laravel 5.3 Mailable Mail

```
class WelcomeMessage extends Mailable
{
    use Queueable, SerializesModels;

    /**
     *
     *
     * @return $this
     */
    public function build()
    {
        return $this->view('emails.welcome');
    }
}
```

Mailable API

```
Mail::to($user)->send(new WelcomeMessage);
```

Mailable   `ShouldQueue`

```
class WelcomeMessage extends Mailable implements ShouldQueue
{
    //
}
```

 Mailable

> {video} Laracasts   video tutorial

 Web

Laravel 5.3   `store`

```
/**
 *
 *
 * @param  Request  $request
 * @return Response
 */
public function update(Request $request)
{
    $path = $request->file('avatar')->store('avatars', 's3');

    return $path;
}
```


Webpack Laravel Elixir

Laravel Elixir 6.0 Laravel 5.3 Webpack Rollup JavaScript

Laravel 5.3   `gulpfile.js`   Webpack JavaScript

```
elixir(mix => {
    mix.sass('app.scss')
```

```
        .webpack('app.js');
});
```

[Laravel Elixir](#)

Laravel 5.3   `make:auth`   CDN package.json

    [Vue](#)   `resources/assets/js/components`   `Example.vue`   `resources/assets/js/app.js` JavaScript

Vue

 JavaScript JavaScript CSS

 Laravel 5.3   `routes`   `web.php`   `api.php`   `HTTP`

API   `RouteServiceProvider`   `api`

Artisan   `app/Console/Kernel.php`

 Laravel 5.3   `commands`   `routes/console.php`

```
Artisan::command('build {project}', function ($project) {
    $this->info('Building project...');
});
```

[Artisan](#)

Blade   `$loop`

Blade   `$loop`

```
@foreach ($users as $user)
    @if ($loop->first)
        This is the first iteration.
    @endif

    @if ($loop->last)
        This is the last iteration.
    @endif

    <p>This is user {{ $user->id }}</p>
@endforeach
```

[Blade](#) .

Laravel 5.2

Laravel 5.2 Laravel 5.1

-
-
- Eloquent
-
-
-
-

／ " "

Laravel session

Laravel 5.2

adminstudent

Laravel Laravel 5.2   `make:auth`

```
php artisan make:auth
```

Bootstrap

> {note}

```
use App\User;

Route::get('/user/{user}', function (User $user) {
    return $user;
});
```

Laravel 5.1   `Route::model` Laravel   `App\User`   `{user}`

Laravel 5.2 URI

`{user}`   `$user` Eloquent Laravel

    HTTP

Web UI API session CSRF   `web`   `api`

Laravel 5.2   `App\Http\Kernel.php`

```
/**
 *
 *
 * @var array
 */
protected $middlewareGroups = [
```

```
    'web' => [
        \App\Http\Middleware\EncryptCookies::class,
        \Illuminate\Cookie\Middleware\AddQueuedCookiesToResponse::class,
        \Illuminate\Session\Middleware\StartSession::class,
        \Illuminate\View\Middleware\ShareErrorsFromSession::class,
        \App\Http\Middleware\VerifyCsrfToken::class,
    ],

    'api' => [
        'throttle:60,1',
    ],
];
```

`web`

```
Route::group(['middleware' => ['web']], function () {
    //
});
```

`app/Http/routes.php`　`RouteServiceProvider`　`mapWebRoutes`　`web`

IP

IP 60

```
Route::get('/api/users', ['middleware' => 'throttle:60,1', function () {
    //
}]);
```

Laravel 5.2 email

```
$validator = Validator::make($request->all(), [
    'person.*.email' => 'email|unique:users'
]);
```

*

```
'custom' => [
    'person.*.email' => [
        'unique' => ' Email ',
    ]
],
```

Bail

Laravel 5.2 `bail`　`integer`　`unique`

```
$this->validate($request, [
    'user_id' => 'bail|integer|unique:users'
]);
```

Eloquent

Laravel Eloquent Laravel 5.2 `apply`

Eloquent .

Laravel 5.1.11

Laravel 5.1.11

Laravel 5.1.4

Laravel 5.1.4

Laravel 5.1

Laravel 5.1 Laravel 5.0

- PSR-2
-
-
- Artisan

PHP 5.5.9+

 PHP 5.4 PHP Laravel PHP 5.5.9

PHP 5.5.9 PHP Guzzle AWS SDK

LTS

Laravel 5.1 Laravel   Laravel 5.1 BUG Laravel

PSR-2

PSR-2 Laravel PSR-2

Laravel

WebSockets Web WebSocket

Laravel JavaScript

`RoleMiddleware`

```php
<?php

namespace App\Http\Middleware;

use Closure;

class RoleMiddleware
{
    /**
     *
     *
     * @param  \Illuminate\Http\Request  $request
     * @param  \Closure  $next
     * @param  string  $role
     * @return mixed
     */
    public function handle($request, Closure $next, $role)
    {
        if (! $request->user()->hasRole($role)) {
            // ...
        }

        return $next($request);
    }

}
```

:

```php
Route::put('post/{id}', ['middleware' => 'role:editor', function ($id) {
    //
}]);
```

Laravel

```php
public function testNewUserRegistration()
{
    $this->visit('/register')
         ->type('Taylor', 'name')
         ->check('terms')
         ->press('Register')
         ->seePageIs('/dashboard');
}
```

Laravel   Eloquent

Eloquent

Faker

```php
$factory->define(App\User::class, function ($faker) {
    return [
```

```
        'name' => $faker->name,
        'email' => $faker->email,
        'password' => str_random(10),
        'remember_token' => str_random(10),
    ];
});
```

Artisan

Artisan

```
/**
 *
 *
 * @var string
 */
protected $signature = 'email:send {user} {--force}';
```

Artisan   Artisan

app/Commands	app/Jobs
app/Handler	app/Listeners

Laravel 5.1

Laravel   `mcrypt` PHP Laravel 5.1   `openssl`

Laravel 5.0

Laravel 5.0 Laravel PSR-4

app/models	app

`App`   `app:name` Artisan

Laravel 5.0   `app/Http`   HTTP

`app/Providers` Laravel 4.x   `app/start`

`resources`

Contracts

Laravel   `illuminate/contracts` Laravel Facades

contracts

`route:cache` Artisan

100

Laravel 4 Laravel 5 HTTP CSRF

```php
public function createPost(Request $request, PostRepository $posts)
{
    //
}
```

`resources/views/auth`

users

`auth/login`   `auth/register`

`App\Services\Auth\Registrar`

```php
<?php

class PodcastWasPurchased
{
    public $podcast;

    public function __construct(Podcast $podcast)
    {
        $this->podcast = $podcast;
    }
}
```

```php
Event::fire(new PodcastWasPurchased($podcast));
```

```php
<?php

class ReportPodcastPurchase
```

```
{
    public function handle(PodcastWasPurchased $event)
    {
        //
    }
}
```

Laravel 4 Laravel 5 `app/Commands`

```php
<?php

class PurchasePodcast extends Command implements SelfHandling, ShouldBeQueued
{

    use SerializesModels;

    protected $user, $podcast;

    /**
     * Create a new command instance.
     *
     * @return void
     */
    public function __construct(User $user, Podcast $podcast)
    {
        $this->user = $user;
        $this->podcast = $podcast;
    }

    /**
     * Execute the command.
     *
     * @return void
     */
    public function handle()
    {
        // Handle the logic to purchase the podcast...

        event(new PodcastWasPurchased($this->user, $this->podcast));
    }
}
```

Laravel `DispatchesCommands` trait

```
$this->dispatch(new PurchasePodcastCommand($user, $podcast));
```

command bus

`database` Laravel

Laravel

crontab Cron

Laravel

Laravel Cron

```
$schedule->command('artisan:command')->dailyAt('15:00');
```

Tinker Psysh

`php artisan tinker` Justin Hileman   Psysh PHP REPL Laravel 4 Boris Psysh Windows

```
php artisan tinker
```

DotEnv

Laravel 5 Vance Lucas   DotEnv

Laravel 5

Laravel Elixir

Jeffrey Way Laravel Elixir Grunt Gulp Elixir Gulp LessSass CoffeeScript

Elixir

Laravel Socialite

Laravel Socialite Laravel 5.0 OAuth Socialite FacebookTwitterGoogle GitHub

```
public function redirectForAuth()
{
    return Socialize::with('twitter')->redirect();
}

public function getUserFromProvider()
{
    $user = Socialize::with('twitter')->user();
}
```

OAuth

Laravel   Flysystem

Amazon S3 Rackspace API

Amazon S3

```
Storage::put('file.txt', 'contents');
```

Laravel

Form Requests

Laravel 5.0 **form requests** `Illuminate\Foundation\Http\FormRequest` request `FormRequest`

```php
<?php

namespace App\Http\Requests;

class RegisterRequest extends FormRequest
{
    public function rules()
    {
        return [
            'email' => 'required|email|unique:users',
            'password' => 'required|confirmed|min:8',
        ];
    }

    public function authorize()
    {
        return true;
    }
}
```

```php
public function register(RegisterRequest $request)
{
    var_dump($request->input());
}
```

Laravel `FormRequest` form request HTTP

HTTP session JSON `FormRequest`

Laravel 5 `ValidatesRequests` trait trait `validate` `FormRequests`

```php
public function createPost(Request $request)
{
    $this->validate($request, [
        'title' => 'required|max:255',
        'body' => 'required',
    ]);
}
```

HTTP session AJAX Laravel JSON

Artisan generator `php artisan list`

`config:cache`

Symfony VarDumper

`dd` Symfony VarDumper

```
dd([1, 2, 3]);
```

Laravel 4.2

`php artisan changes`   Github

: 4.2 BUG 4.1 Laravel 4.1

PHP 5.4

Laravel 4.2 PHP 5.4 PHP PHP traits   Laravel PHP 5.4 PHP 5.3

Laravel Forge

Larvel Forge PHP LinodeDigitalOceanRackspace Amazon EC2

nginx SSH Cron job NewRelic & Papertrail Laravel queue worker Forge Laravel

Laravel 4.2   `app/config/database.php` Forge

Laravel Forge   Forge

Laravel Homestead

Laravel Homestead Laravel PHP Vagrant

Homestead Nginx 1.6PHP 5.5.12MySQLPostresRedisMemcachedBeanstalkNodeGulpGrunt Bower
Homestead   `Homestead.yaml` Laravel

Laravel 4.2   `app/config/local/database.php` Homestead Laravel

Homestead

Laravel

Laravel Stripe Laravel Stripe API

Queue Workers

Artisan `queue:work`   `--daemon` worker worker CPU

Queue Workers   queue

Mail API Drivers

Laravel 4.2   `Mail` Mailgun Mandrill API SMTP Guzzle 4 HTTP

Traits

PHP 5.4   `traits`

: [Eloquent documentation](#)

(auth) & Remindable Traits

PHP 5.4 traits `User`

""

`simplePaginate` Eloquent

`--force`

Laravel 4.1

4.1 `php artisan changes` [Github](#)

SSH

`SSH` SSH [SSH](#)

`php artisan tail` SSH `tail`

Boris In Tinker

[Boris REPL](#) `php artisan thinker` `readline` `pcntl` PHP 4.0

Eloquent

Eloquent `hasManyThrough` [Eloquent](#)

`whereHas`

Query Builder Eloquent

`queue:listen`

`queue:listen` `--tries`

: [Eloquent documentation](#)

Laravel 4.1 API 4.0 100% Symfony Routing

Session

Session Session Symfony Session

Doctrine DBAL

`renameColumn`   `composer.json`   `doctrine/dbal` Laravel

Laravel

- 5.3 5.4.0

5.3 5.4.0

: 1-2

> {note}

`composer.json` `laravel/framework` `5.4.*` , `phpunit/phpunit` `~5.7`

`bootstrap/cache/compiled.php`

`php artisan view:clear` `Illuminate\View\Factory::getFirstLoop()` Blade `php artisan route:clear`

Laravel Cashier

Laravel Cashier Laravel 5.4

Laravel Passport

Laravel 5.4 [Axios](#) JavaScript Laravel Passport `2.0.0` Laravel 5.3 Passport Vue Axios `axios`

Laravel Scout

Laravel Scout `3.0.0` Laravel 5.4

Laravel Socialite

Laravel Socialite `3.0.0` Laravel 5.4

Laravel Tinker

`tinker` Artisan `laravel/tinker` :

```
composer require laravel/tinker
```

`Laravel\Tinker\TinkerServiceProvider::class` `config/app.php` `providers`

Guzzle

Laravel 5.4 Guzzle 6.0

getPolicyFor

`Gate::getPolicyFor($class)` policy , policy

```
$policy = Gate::getPolicyFor($class);

if ($policy) {
    // code that was previously in the try block
} else {
    // code that was previously in the catch block
}
```

Blade

@section

Laravel 5.4 section

```
@section('title', $content)
```

section section

```
@section('title')
    {!! $content !!}
@stop
```

HTTP Console   `$bootstrappers`   `DetectEnvironment`   `LoadEnvironmentVariables`

Laravel 5.3   `*` Laravel 5.4   `{foo}`

```
Broadcast::channel('App.User.{userId}', function ($user, $userId) {
    return (int) $user->id === (int) $userId;
});
```

every

every   nth Lodash

random

`$collection->random(1)` item

via `bind` / `instance`

Laravel `bind` `instance`

```
$container->bind(['foo' => FooContract::class], function () {
    return 'foo';
});
```

Laravel 5.4 `alias`

```
$container->alias(FooContract::class, 'foo');
```

\

\ \

```
$container->bind('Class\Name', function () {
    //
});

$container->bind(ClassName::class, function () {
    //
});
```

`make`

`make`

`resolving` `afterResolving`

```
$container->resolving('Class\Name', function ($instance) {
    //
});

$container->afterResolving('Class\Name', function ($instance) {
    //
});
```

`share`

`share` `singleton`

```
$container->singleton('foo', function () {
    return 'foo';
});
```

The `Illuminate\Console\AppNamespaceDetectorTrait` Trait

`Illuminate\Console\AppNamespaceDetectorTrait` trait `Illuminate\Console\DetectsApplicationNamespace`

`db.connection.{driver-name}` `AppServiceProvider` `register`

`Illuminate\Database\Connection::resolverFor`

```
use Illuminate\Database\Connection;

Connection::resolverFor('driver-name', function ($connection, $database, $prefix, $config) {
    //
});
```

Fetch

LaravelPDO fetch mode `PDO::FETCH_OBJ` `Illuminate\Database\Events\S`

```
Event::listen(StatementPrepared::class, function ($event) {
    $event->statement->setFetchMode(...);
});
```

Eloquent

`date` `Carbon` `startOfDay` `datetime`

Eloquent

```
public function user()
{
    return $this->belongsTo(User::class);
}
```

Laravel `user_id` `User` `getKeyName`

```
public function getKeyName()
{
    return 'key';
}
```

Laravel `user_key` `user_id`

/ `createMany`

`hasOne` or `hasMany` `createMany`

```
User::on('example')->with('posts');
```

Eloquent example posts   posts

create & forceCreate

Model::create & Model:: forceCreate   Illuminate\Database\Eloquent\Builder   create

```
public static function create(array $attributes = [])
{
    $model = static::query()->create($attributes);

    // ...

    return $model;
}
```

hydrate

on

```
User::on('connection')->hydrate($records);
```

hydrateRaw

Model::hydrateRaw   fromQuery   on

```
User::on('connection')->fromQuery('...');
```

whereKey

whereKey($id) where where key where   whereKey   key
where('key', ...)

factory Helper

```
factory(User::class, 1)->make()    factory(User::class, 1)->create()
```

Contract

```
Illuminate\Contracts\Events\Dispatcher      fire    dispatch
```

```
Event::firing
```

```
Event::listen('*', function ($eventName, array $data) {
    //
});
```

`kernel.handled`

kernel.handled   Illuminate\Foundation\Http\Events\RequestHandled

`locale.changed`

locale.changed   Illuminate\Foundation\Events\LocaleUpdated

`illuminate.log`

illuminate.log   Illuminate\Log\Events\MessageLogged

Illuminate\Http\Exception\HttpResponseException   Illuminate\Http\Exceptions\HttpResponseException

Exceptions   Illuminate\Http\Exception\PostTooLargeException

Illuminate\Http\Exceptions\PostTooLargeException

`Class@method`

Class@method

```
Mail::send('view.name', $data, 'Class@send');
```

mailables

Laravel 5.4 Markdown   mail

```
'markdown' => [
    'theme' => 'default',

    'paths' => [
        resource_path('views/vendor/mail'),
    ],
],
```

mailable   Mail::queue   Mail::later PHP

Redis

Laravel 5.4 Redis Redis   config/database.php Redis   clusters

```
'redis' => [

    'client' => 'predis',

    'options' => [
        'cluster' => 'redis',
    ],

    'clusters' => [
        'default' => [
            [
                'host' => env('REDIS_HOST', '127.0.0.1'),
                'password' => env('REDIS_PASSWORD', null),
                'port' => env('REDIS_PORT', 6379),
                'database' => 0,
            ],
        ],
    ],

],
```

Post

`Illuminate\Foundation\Http\Middleware\VerifyPostSize`   `Illuminate\Foundation\Http\Middleware\ValidatePost`

`middleware`

`Illuminate\Routing\Router`   `middleware`   `aliasMiddleware()` HTTP kernel   `$routeMiddleware`

`Route`

`Illuminate\Routing\Route`   `getUri`   `uri`

`Illuminate\Routing\Route`   `getMethods`   `methods`

`Illuminate\Routing\Route`   `getParameter`   `parameter`

`Illuminate\Routing\Route`   `getPath`   `uri`

Symfony

Laravel Symfony   `SessionInterface`   `Illuminate\Co`

  `->set()`   `->put()` Laravel   `set` Laravel

  `->getToken()`   `->token()`

  `$request->setSession()`   `setLaravelSession()`

1-3

Laravel 5.4 Laravel   5.3   `laravel/browser-kit-testir`
Laravel 5.4

Laravel 5.3 & 5.4

`Tests`   `composer.json`   `autoload-dev` Laravel Laravel 5.4

```
"psr-4": {
    "Tests\\": "tests/"
}
```

,   `laravel/browser-kit-testing`

```
composer require laravel/browser-kit-testing
```

`tests/TestCase.php`   `BrowserKitTestCase.php`   `tests`
`Laravel\BrowserKitTesting\TestCase`   `tests`   `TestCase.php`   `BrowserKitTestCase.php`
`BrowserKitTestCase`   `composer.json`

```
"autoload-dev": {
    "classmap": [
        "tests/TestCase.php",
        "tests/BrowserKitTestCase.php"
    ]
},
```

Laravel 5.3   `BrowserKitTestCase` Laravel 5.4   `TestCase`   `BrowserKitTestCase`

```php
<?php

use Illuminate\Contracts\Console\Kernel;
use Laravel\BrowserKitTesting\TestCase as BaseTestCase;

abstract class BrowserKitTestCase extends BaseTestCase
{
    /**
     *  URL
     *
     * @var string
     */
    public $baseUrl = 'http://localhost';

    /**
     *
     *
     * @return \Illuminate\Foundation\Application
     */
    public function createApplication()
    {
        $app = require __DIR__.'/../bootstrap/app.php';

        $app->make(Kernel::class)->bootstrap();

        return $app;
    }
}
```

`BrowserKitTestCase` Laravel 5.3 Laravel 5.4   Laravel 5.4   Laravel Dusk

> {note} Laravel 5.4   `TestCase`

Duck

Laravel Duck Composer

```
composer require laravel/dusk
```

    `tests`   `CreatesApplication` trait trait trait

```php
<?php

use Illuminate\Contracts\Console\Kernel;

trait CreatesApplication
{
    /**
     *
     *
     * @return \Illuminate\Foundation\Application
     */
    public function createApplication()
    {
        $app = require __DIR__.'/../bootstrap/app.php';

        $app->make(Kernel::class)->bootstrap();

        return $app;
    }
}
```

> {note} PSR-4   `tests`   `CreatesApplication` trait
>
> Dusk

Laravel 5.4   `putenv('APP_ENV=testing')`   `.env`   `APP_ENV`

`Event`   `assertFired`   `assertDispatched`   `assertNotFired`   `assertNotDispatched`

`Mail` Laravel 5.4   `assertSent`   `hasTo` `hasCc`   `assertSentTo`

```
Mail::assertSent(MailableName::class, function ($mailable) {
    return $mailable->hasTo('email@example.com');
});
```

{Inf}

  `{Inf}`   *

```
{0} First Message|{1,*} Second Message
```

URL

forceSchema

`Illuminate\Routing\UrlGenerator`   `forceSchema`   `forceScheme`

PHP   date function   P   Laravel 5.4 PHP

`addError`   `addFailure`   `doReplacements`   `makeReplacements`   `Validator`

`laravel/laravel` GitHub   Github comparison tool

forceSchema

`Illuminate\Routing\UrlGenerator`   `forceSchema`   `forceScheme`

Laravel

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-
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-
  - [PHPDoc](#)
  - [StyleCI](#)

Laravel Pull Request Pull Request

Laravel GitHub Laravel

- [Laravel Framework](#)
- [Laravel Application](#)
- [Laravel Documentation](#)
- [Laravel Cashier](#)
- [Laravel Cashier for Braintree](#)
- [Laravel Envoy](#)
- [Laravel Homestead](#)
- [Laravel Homestead Build Scripts](#)
- [Laravel Website](#)
- [Laravel Art](#)

Laravel Laravel Internals

Slack   [LaraChat](#)   `#internals` Laravel Taylor Otwell 8am 5pm UTC-06:00 America/Chicago

`master`

Laravel

`master` Laravel

Slack   [LaraChat](#)   `#internals` Taylor Otwell

Laravel   taylor@laravel.com Taylor Otwell

Laravel   PSR-2   PSR-4

> -   PSR

`@param`   :

```
/**
 *
 *
 * @param  string|array  $abstract
 * @param  \Closure|string|null  $concrete
 * @param  bool  $shared
 * @return void
 */
public function bind($abstract, $concrete = null, $shared = false)
{
    //
}
```

StyleCI

Laravel   StyleCI PR

Laravel   taylor@laravel.com Taylor Otwell

2

Laravel

-
  -
  - Laravel
  -
- Web
  -

> {video} Laracasts   Laravel

Laravel   Laravel Homestead Homestead Laravel

Homestead

- PHP >= 5.6.4 - OpenSSL PHP Extension - PDO PHP Extension - Mbstring PHP Extension - Tokenizer PHP Extension - XML PHP Extension

> Homestead   Homestead

Laravel

Laravel   Composer Laravel Composer

Laravel

Composer Laravel

```
composer global require "laravel/installer"
```

`~/.composer/vendor/bin` PATH   `laravel`

`laravel new` Laravel   `laravel new blog`   `blog` Laravel Composer

```
laravel new blog
```

Composer Create-Project

Composer   `create-project` Laravel

```
composer create-project --prefer-dist laravel/laravel blog
```

PHP PHP   `serve` Artisan   `http://localhost:8000`

```
php artisan serve
```

Homestead   Valet

Laravel Web   public   index.php HTTP

Laravel   config

Laravel   storage   bootstrap/cache Web Laravel   Homestead

Laravel Composer Laravel Laravel   key:generate
32 .env .env.example .env   **Session**

Laravel   config/app.php   ▢   ▢
Laravel

-
-
- Session

Laravel

Web

Apache

Laravel   public/.htaccess URL   index.php Apache Laravel mod_rewrite
 .htaccess

Laravel .htaccess Apache

```
Options +FollowSymLinks
RewriteEngine On

RewriteCond %{REQUEST_FILENAME} !-d
RewriteCond %{REQUEST_FILENAME} !-f
RewriteRule ^ index.php [L]
```

2-1

Nginx

Nginx `index.php`

```
location / {
    try_files $uri $uri/ /index.php?$query_string;
}
```

Homestead   Valet

Nginx

Nginx `index.php`

```
location / {
    try_files $uri $uri/ /index.php?$query_string;
}
```

Laravel

-
-
  -
-
-
-

Laravel `config`

`.env`

Laravel Vance Lucas [DotEnv] PHP Laravel `.env.example` Composer Laravel `.env`

> {tip} `.env.testing` PHPUnit `--env=testing` Artisan `.env.testing` `.env`

PHP `$_ENV` `env` Laravel

```
'debug' => env('APP_DEBUG', false),
```

`env`

`.env`

`.env.example`

`.env` `APP_ENV` App [facade] `environment`

```
$environment = App::environment();
```

`environment`

```
if (App::environment('local')) {
    //
}

if (App::environment('local', 'staging')) {
    // `local`  `staging`
}
```

`config`

```
$value = config('app.timezone');
```

`config`

```
config(['app.timezone' => 'America/Chicago']);
```

Artisan `config:cache`

```
php artisan config:cache
```

> {note} `config:cache` `env`
>
> Laravel [Laravel 5]

`MaintenanceModeException` 503

Artisan `down`

```
php artisan down
```

`down` `message` `retry` `message` `retry` `Retry-After` HTTP

```
php artisan down --message='Upgrading Database' --retry=60
```

Artisan `up`

```
php artisan up
```

`resources/views/errors/503.blade.php`

[Envoyer]

Laravel

-
-
    - `app`
    - `bootstrap`
    - `config`
    - `database`
    - `public`
    - `resources`
    - `routes`
    - `storage`
    - `tests`
    - `vendor`
- [App](#)
    - `Console`
    - `Events`
    - `Exceptions`
    - `Http`
    - `Jobs`
    - `Listeners`
    - `Mail`
    - `Notifications`
    - `Policies`
    - `Providers`

`Laravel`　　　　`Laravel` `--`　`Composer`

`Models` ?

Laravel　　`models` , laravel　　　　`models`

Eloquent　　`app`

`app`

`app`

`bootstrap`

`bootstrap`　`cache`

`config`

`config`

database

`database` SQLite

public

`public` Laravel HTTP `index.php` JavaScriptCSS

resources

`resources` (LESSSASSCoffeeScript)

routes

`routes` Laravel `web.php` , `api.php` , `console.php`

`web.php` `RouteServiceProvider` `web` Session CSRF Cookie RESTful API `web.php`

`api.php` `RouteServiceProvider` `api` API Session

`console.php` IO HTTP

storage

`storage` Blade session `app` `framework` `logs` `app` `framework` `logs`

`storage/app/public` `public/storage` `php artisan storage:link`

tests

`tests` Laravel [PHPUnit] `Test` `phpunit` `php vendor/bin/phpunit`

vendor

`vendor` [Composer]

app

`app` `App` Composer [PSR-4]

`app` `Console` `Http` `Providers` `Console` `Http` API HTTP CLI `Console`
Artisan `Http`

Artisan make `app` `app/Jobs` `make:job` `app`

> {tip} `app` Artisan `php artisan list make`

Console

`Console` Artisan `make:command` Console Kernel Artisan

Events

`Events` `event:generate` `event:make`

Exceptions

`Exceptions` Handler

Http

`Http`

Jobs

`Jobs` `make:job` `Jobs`

Listeners

`Listeners` `event:generate` `make:listener` `Listeners` `UserRegistered` `SendWelcomeEmail`

Mail

`Mail` `make:mail` `Mail` `Mail::send`

Notifications

`Notifications` `make:notification` `Notifications` Laravel Slack

Policies

`Policies` ·make:policy· ·Policies·

Providers

`Providers`

Laravel

Laravel

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-

Laravel

Laravel `public/index.php` (Apache / Nginx) `index.php`

`index.php` Composer `bootstrap/app.php` Laravel Laravel /

HTTP / Console

HTTP console `app/Http/Kernel.php` HTTP

HTTP `Illuminate\Foundation\Http\Kernel` bootstrappers

HTTP HTTP [HTTP session](#) [CSRF token](#)

HTTP `handle` `Request` `Response` HTTP HTTP

`config/app.php` `providers` `register` `boot`

Laravel

`Request`

Laravel

Laravel `app/Providers`

`AppServiceProvider`

3

3-1 Homestead

3-2 Valet

4

4-1

4-2

4-3 Facades

4-4 Contracts

5 HTTP

5-1

5-2

5-3 CSRF

5-4

5-5

5-6

5-7

5-8 Session

5-9

6

6-1 Blade

6-2

6-3

6-4 Mix

7

7-1

7-2 Passport OAuth

7-3

7-4

7-5

7-6

8

8-1 Artisan

8-2

8-3

8-4

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9-1

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9-4

9-5

9-6 Redis

10 Eloquent ORM

10-1

10-2

10-3 Eloquent

10-4

10-5

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11-1

11-2 HTTP

11-3 Dusk

11-4

11-5

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12-1 Cashier

12-2 Envoy

12-3 Scout

12-4 Socialite