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# Resetting Passwords

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## # Introduction



**Want to get started fast?** Install the `laravel/ui` Composer package and run `php artisan ui vue --auth` in a fresh Laravel application. After migrating your database, navigate your browser to `http://your-app.test/register` or any other URL that is assigned to your application. This single command will take care of scaffolding your entire authentication system, including resetting passwords!

Most web applications provide a way for users to reset their forgotten passwords. Rather than forcing you to re-implement this on each application, Laravel provides convenient methods for sending password reminders and performing password resets.



Before using the password reset features of Laravel, your user must use the `Illuminate\Notifications\Notifiable` trait.

## # Database Considerations

To get started, verify that your `App\User` model implements the `Illuminate\Contracts\Auth\CanResetPassword` contract. The `App\User` model included with the framework already implements this interface, and uses the `Illuminate\Auth\Passwords\CanResetPassword` trait to include the methods needed to implement the interface.

### Generating The Reset Token Table Migration

Next, a table must be created to store the password reset tokens. The migration for this table is included with Laravel out of the box, and resides in the `database/migrations` directory. So, all you need to do is run your database migrations:

```
php artisan migrate
```

## # Routing

Laravel includes `Auth\ForgotPasswordController` and `Auth\ResetPasswordController` classes that contains the logic necessary to e-mail password reset links and reset user passwords. All of the routes needed to perform password resets may be generated using the `laravel/ui` Composer package:

```
composer require laravel/ui --dev

php artisan ui vue --auth
```

## # Views

To generate all of the necessary view for resetting passwords, you may use the `laravel/ui` Composer package:

```
composer require laravel/ui --dev

php artisan ui vue --auth
```

These views are placed in `resources/views/auth/passwords`. You are free to customize

them as needed for your application.

## # After Resetting Passwords

Once you have defined the routes and views to reset your user's passwords, you may access the route in your browser at `/password/reset`. The `ForgotPasswordController` included with the framework already includes the logic to send the password reset link e-mails, while the `ResetPasswordController` includes the logic to reset user passwords.

After a password is reset, the user will automatically be logged into the application and redirected to `/home`. You can customize the post password reset redirect location by defining a `redirectTo` property on the `ResetPasswordController`:

```
protected $redirectTo = '/dashboard';
```



By default, password reset tokens expire after one hour. You may change this via the password reset `expire` option in your `config/auth.php` file.

## # Customization

### Authentication Guard Customization

In your `auth.php` configuration file, you may configure multiple "guards", which may be used to define authentication behavior for multiple user tables. You can customize the included `ResetPasswordController` to use the guard of your choice by overriding the `guard` method on the controller. This method should return a guard instance:

```
use Illuminate\Support\Facades\Auth;

/**
 * Get the guard to be used during password reset.
 *
 * @return \Illuminate\Contracts\Auth\StatefulGuard
 */
protected function guard()
{
    return Auth::guard('guard-name');
}
```

### Password Broker Customization

In your `auth.php` configuration file, you may configure multiple password "brokers", which may be used to reset passwords on multiple user tables. You can customize the included `ForgotPasswordController` and `ResetPasswordController` to use the broker of your choice by overriding the `broker` method:

```
use Illuminate\Support\Facades>Password;

/**
 * Get the broker to be used during password reset.
 *
 * @return PasswordBroker
 */
public function broker()
{
    return Password::broker('name');
}
```

### Reset Email Customization

You may easily modify the notification class used to send the password reset link to the user. To get started, override the `sendPasswordResetNotification` method on your `User` model. Within this method, you may send the notification using any notification class you choose. The password reset `$token` is the first argument received by the method:

```
/**
 * Send the password reset notification.
 *
 * @param string $token
 * @return void
 */
public function sendPasswordResetNotification($token)
{
    $this->notify(new ResetPasswordNotification($token));
}
```

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