

# Laravel - Session

Topics : [Laravel](#)

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In Laravel, the session handling mechanism is quite robust and provides a convenient way to store information across multiple requests. Sessions can be used to store user data, flash messages, and other information that needs to persist between requests. Here's a guide on working with sessions in Laravel:

## 1. Configuration:

Ensure that session configuration is set up correctly in the `config/session.php` file. The default configuration should work for most applications.

## 2. Starting a Session:

Sessions are started automatically by Laravel, but you can manually start a session using the session helper or the Session facade:

```
session_start(); // using the session helper

// or

use Illuminate\Support\Facades\Session;

Session::start(); // using the Session facade
```

## 3. Storing Data in the Session:

You can store data in the session using the `put` method or the session helper:

```
// using the session helper
session(['key' => 'value']);

// using the Session facade
Session::put('key', 'value');
```

## 4. Retrieving Data from the Session:

To retrieve data from the session, you can use the `get` method or the session helper:

```
// using the session helper
$value = session('key', 'default');

// using the Session facade
$value = Session::get('key', 'default');
```

## 5. Removing Data from the Session:

You can remove data from the session using the `forget` method or the `session` helper:

```
// using the session helper
session()->forget('key');

// using the Session facade
Session::forget('key');
```

## 6. Flashing Data:

Flash data is only stored in the session for the next request and then is automatically forgotten. This is useful for temporary messages like success messages after a form submission:

```
// using the session helper
session()->flash('key', 'value');

// using the Session facade
Session::flash('key', 'value');
```

## 7. Retrieving All Data:

To retrieve all data from the session, you can use the `all` method:

```
// using the session helper
$data = session()->all();

// using the Session facade
$data = Session::all();
```

## 8. Checking if a Key Exists:

You can check if a key exists in the session using the `has` method:

```
// using the session helper
if (session()->has('key')) {
    // Key exists
}

// using the Session facade
if (Session::has('key')) {
    // Key exists
}
```

```
}
```

## 9. Regenerating the Session ID:

To regenerate the session ID and prevent session fixation attacks, you can use the `regenerate` method:

```
// using the session helper  
session()->regenerate();
```

```
// using the Session facade  
Session::regenerate();
```

## 10. Deleting the Session:

To delete the entire session data, you can use the `flush` method:

```
// using the session helper  
session()->flush();
```

```
// using the Session facade  
Session::flush();
```

