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Laravel shows a 500 error or a missing application key: what to check

Frameworks, Composer & Git

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Laravel shows a 500 error or a missing application key: what to check

Frameworks, Composer & Git Created on **October 10, 2026** 3 min read



In most cases a freshly uploaded Laravel that shows a 500 error has one of **four causes**: the application key is missing, the `storage` and `bootstrap/cache` folders are not writable, the `vendor` folder is missing, or the PHP version is one the project does not accept. The exact message is in the log file, and it tells you which.

First, read the message

Laravel writes its errors to `storage/logs/laravel.log`. Open the file in the File Manager and go to the end: the last lines say what failed. If that file does not even exist, the problem comes earlier (permissions or PHP), and PHP's own `error_log`, in the `public` folder, is the one to read: **where the PHP error log is**.

The message says	Cause	What to do
No application encryption key has been specified	The APP_KEY line in `.env` is empty, or the file does not exist.	In the Terminal, from the project root: `php artisan key:generate`. It writes the key into `.env`.
Failed opening required 'vendor/autoload.php'	The vendor folder was not uploaded or was never created.	Run `composer install` or upload the folder. **Composer on shared hosting**.
Your Composer dependencies require a PHP version…	The folder's PHP is older than the project asks for.	Pick another version in Select PHP Version: **changing your PHP version without breaking the site**.
Permission denied / could not be opened (storage/logs)	Laravel cannot write to storage or bootstrap/cache.	Make those two folders and their subfolders writable, in the File Manager (Change Permissions).
Class not found, after changing the code	The configuration cache or the autoload is out of date.	Run `php artisan config:clear` and `composer dump-autoload`.

The order that saves time

1. **Check the command-line PHP.** If `php artisan` fails on versions, you are using a different PHP: **running the PHP you chose**.

2. **Check the site root.** The domain must point at the project's `public` folder. Pointing at the root gives 403, 404 or a file listing.

3. **Check .env.** The file must exist (the template is called `.env.example`), with the database and address details, and the APP_KEY line filled in.

4. **Clear the caches** whenever you change `.env`: `php artisan config:clear`. If the project uses the configuration cache, Laravel ignores changes to `.env` until you clear it.

5. **Reload the page and read laravel.log again.** Each fix reveals the next, and the message changes. Go one at a time.

Do not fix a 500 by switching debug mode on in production.
With APP_DEBUG=true, any visitor sees your code, your paths and sometimes database details. Turn it on only for as long as it takes to read the error, or better, read `laravel.log` and leave it off. After fixing, set APP_DEBUG=false.

Changed `.env` and nothing changed?
It is almost always the configuration cache. And if you changed the database password, `php artisan config:clear` is the first command to run. For the rest of the road for Laravel on hosting, see **getting a Laravel application running**.

NEED A HAND?

Read laravel.log and the message means nothing to you? Send us the domain and the last message in the file, without passwords.

Open a support ticket →

SEE ALSO

Getting a Laravel application running →

- **Website errors explained: 500, 403, 404, 508**
- **Where the PHP error log is**
- **Composer on shared hosting**

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