

What you need to know about the **Twelve Factor App**

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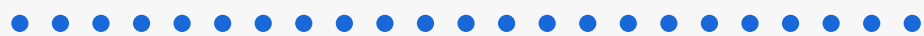


THE TWELVE-FACTOR APP

The Twelve Factor App

It is a methodology in charge of building **Software-as-a-Service** (SaaS) apps suitable for deployment on Cloud platforms, allowing you to solve systemic problems in your SaaS Laravel applications on AWS.

Here are some fundamental principles of the Twelve-Factor App methodology that can help you implement it better.



Application config files

Should be outside the codebase, and these configuration files are replaced with environment variables. i.e., Db connections, secrets, environment, hosts, IP, etc.

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Application dependencies

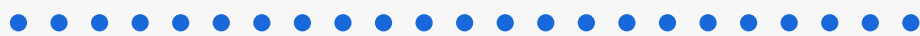
It shouldn't be in your codebase, and instead, you should use a dependency management tool to declare your significant dependencies and libraries required from the server.



Stateless applications and processes

The application/server can be turned off and recreated without losing any data. Only persistent data is stored in databases or backend services.

“In case of application failure, splitting components as much as possible and making them undependable to others, will result in an easy analysis and isolated issue.”



Immutable Infrastructure

Instances shouldn't be modified after provisioning, and there should be a standard base image (AWS AMI), which is regularly updated and patched. As a result, you'll get an AWS auto-scaling working smoothly, with fewer deployment failures.



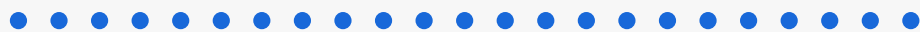
Dev, test, and production Parity

These environments must be as similar as software, libraries, databases, data, and code. Furthermore, it's possible to close the gap across all backgrounds with the help of a CVS, repeatable infrastructure, and continuous integration/delivery (CI-CD).



Continuous Integration and Continuous Delivery – CI/CD

As the application and traffic grow, you need to implement a mechanism to release code to your different instances and enterprise environments. It is essential to design a continuous delivery workflow to improve development productivity.



Hire our DevOps to
increase profitability with
a **fully accountable
dedicated team**

