

# Laravel API Development

Learn how to develop APIs using Laravel framework in this comprehensive training program.

Category: Programming · Duration: 3 days

## WHO IT IS FOR

- PHP developers
- Developers and DBAs who work with data every day
- Teams that want hands-on practice on real scenarios

This training program will provide you with the skills and knowledge needed to develop robust APIs using Laravel framework. You will learn about various concepts and techniques such as authentication, routing, data handling, and testing. By the end of the program, you will be able to create scalable and secure APIs for your web applications.

## Prerequisites

Basic knowledge of PHP and web development is required for this course.

## Syllabus

- Introduction to Laravel and APIs
- Setting up Laravel environment
- Creating routes and controllers
- Handling different types of requests
- Working with databases and Eloquent ORM
- Authentication and authorization with Laravel Passport
- Pagination and filtering
- Testing APIs using PHPUnit
- Error handling and logging
- API versioning
- Caching strategies
- Securing APIs with JWT
- Rate limiting and throttling
- API documentation with Swagger

- Handling file uploads
- Optimizing API performance
- Real-time APIs with Laravel and WebSockets
- Deploying APIs to production
- Best practices for API development