

# Tasks Management API Readme

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# Introduction

This is a **Laravel** based Restful API for task management (task list)

## Endpoints

The API has the following endpoints:

- a) /tasks (GET): Returns the list of all tasks.
- b) /tasks (POST): Creates a new task.
- c) /tasks/{id} (GET): Returns the details of a specific task.
- d) /tasks/{id} (PUT): Updates the details of a specific task.
- e) /tasks/{id} (DELETE): Removes a specific task.

## Prerequisites

Make sure you have the following installed in your development environment:

- **[Docker]**(<https://www.docker.com/get-started>)
- **[Docker Compose]**(<https://docs.docker.com/compose/install/>) (if needed)

## Configurations:

1. Clone this repository (On CLI):
  - `git clone https://github.com/kudiezo/laravel-tasks-management-api.git`
  - `cd laravel-tasks-management-api`
2. Clone laradock inside laravel-tasks-management-api
  - `git clone https://github.com/Laradock/laradock.git`
  - `cd laradock`
  - `cp .env.example .env`
3. Start the Docker containers:
  - `docker-compose up -d nginx mysql phpmyadmin redis workspace`
4. Go back the main folder of project (laravel-tasks-management-api) and run database migrations and seed data (but make sure that “tasks-manager” database exists):
  - `php artisan migrate --seed`
5. The API should be accessible at <http://localhost:8000>

## Using the API

- Use the mentioned routes above to interact with the task management API.
- Ensure proper authentication for requests as per your application's access rules.

## Using some of endpoints

URL	HTTP Method	JSON Body
/tasks	POST	<pre>{   "title": "New Task 1",   "description": "New description 1",   "user_id": "1" }</pre>
/user	POST	<pre>{   "name": "André Gama",   "email": "ag@eg.com",   "password": "123" }</pre>
/tasks/{id}	PUT	<pre>{   "title": "Tarefa 3",   "description": "About the task..."   "user_id": "1" }</pre>