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# Hrmifly SaaS (Laravel) – Deployment Guide
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Application: Hrmifly SaaS HRMS

Stack: PHP 8.x, Laravel, MySQL

Server Environment: CyberPanel / OpenLiteSpeed

This guide documents the step-by-step deployment process for the Hrmifly SaaS application. It includes specific commands and configurations required to run the application successfully on a CyberPanel environment.

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1. Server Prerequisites

Ensure your CyberPanel server is set up with the following:

- * **PHP Version:** 8.x
- * **Web Server:** OpenLiteSpeed
- * **Composer:** Installed globally

Step 1: Create Website

1. Go to CyberPanel → **Websites** → **Create Website**.
2. Domain: `hrms.slateai.dev` (or your specific domain).
3. Select PHP 8.x.

> **Why:** This initializes the directory structure (`/home/domain.com/`), creates the Linux user, and configures the initial web server listeners.

2. Installation Steps

Step 2: Upload Code

1. Upload the project `.zip` file via File Manager or SFTP.
2. Extract contents to: `/home/hrms.slateai.dev/public_html/``.
3. Ensure the folder structure is correct (e.g., `public_html/HrmiflySaas-2.0.0``).

Step 3: Install Composer (If missing)

If `composer` is not recognized in the terminal, install it:

```
```bash
cd /usr/local/bin
php -r "copy('https://getcomposer.org/installer'](https://getcomposer.org/installer)', 'composer-setup.php');"
php composer-setup.php --install-dir=/usr/local/bin --filename=composer
rm composer-setup.php
```

## Step 4: Install Dependencies

Navigate to the project folder and run:

```
Bash
```

```
composer install
```

**Why:** Laravel does not ship with vendor libraries. Composer downloads the framework components required to boot the app.

## Step 5: Fix File Permissions

Reset ownership to the website user and ensure storage is writable:

```
Bash
```

```
Change 'hrmss4546' to your actual CyberPanel user
chown -R hrmss4546:hrmss4546 /home/hrms.slateai.dev/public_html/HrmiflySaas-2.0.0
```

```
Set read/write permissions for logs and cache
chmod -R 775 storage
chmod -R 775 bootstrap/cache
```

Incorrect permissions are the cause of "500 Server Errors". The web server user must be able to write to the `storage` directory.

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## 3. Database Setup

### Step 6: Create Database

In CyberPanel → **Databases** → **Create Database**:

- **DB Name:** hrms\_hrmsdb
- **User:** hrms\_hrmsuser
- **Password:** (*Secure Password*)

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## 4. Configuration (.env)

### Step 7: Update Environment Variables

Create or edit the `.env` file in the project root:

```
Bash
```

```
nano .env
```

Update the following lines:

```
Ini, TOML
```

```
APP_URL=https://hrms.slateai.dev
```

```
DB_CONNECTION=mysql
DB_HOST=localhost
DB_PORT=3306
DB_DATABASE=hrms_hrmsdb
DB_USERNAME=hrms_hrmsuser
DB_PASSWORD=your_secure_password
```

### Step 8: Clear Cache & Optimize

Refresh the Laravel configuration cache to apply changes:

```
Bash
```

```
php artisan config:clear
php artisan cache:clear
php artisan optimize
```

## Step 9: Run Migrations & Seeds

Initialize the database tables and default data:

Bash

```
php artisan migrate --force
php artisan db:seed --force
```

**Why:** `migrate` builds the table structure; `db:seed` populates it with the initial admin user and settings.

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## 5. Server Configuration (OpenLiteSpeed)

### Step 10: Change Document Root (Critical)

1. Go to **OpenLiteSpeed WebAdmin Console**.
2. Navigate to **Virtual Hosts** → Select your domain → **General**.
3. Change **Document Root** to the `public` folder:
4. Plaintext

```
/home/hrms.slateai.dev/public_html/HrmiflySaas-2.0.0/public
```

- 5.
- 6.
7. Perform a **Graceful Restart** of OpenLiteSpeed.

**Why:** Laravel requires the web server to point to `/public` for security. Pointing to the root exposes source code and sensitive `.env` files.

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## 6. Finalization

### Step 11: Web Installer

Open <https://hrms.slateai.dev/install/environment> to verify the connection and complete any specific script setups.

### Step 12: Verify

Open <https://hrms.slateai.dev>. The application should load successfully.

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**Maintained by:** DevTeam

**Last Updated:** November 2025

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### \*\*Would you like me to:\*\*

- \* Create a \*\*Maintenance Script\*\* (bash) that automates the cache clearing and permission fixing?
- \* Draft a \*\*Troubleshooting Guide\*\* for common errors (like 500 or 403)?