

create directory deploy-laravel

```
composer create-project laravel/laravel deploy-laravel
git init -initial-branch=main
git remote add origin https://gitlab.com/wissemsghaier2000/deploy-laravel.git
git add .
git commit -m "Initial commit"
git push -u origin main
create dockerfile
FROM php:8.1-apache
```

```
# Update and install necessary packages
```

```
RUN apt-get update && \
    apt-get install -y \
        libpng-dev \
        libonig-dev \
        libxml2-dev \
        zip \
        unzip \
        git
```

```
# Clear cache
```

```
RUN apt-get clean && rm -rf /var/lib/apt/lists/*
```

```
# Install PHP extensions
```

```
RUN docker-php-ext-install pdo_mysql mbstring exif pcntl bcmath gd
```

```
# Enable Apache Rewrite Module
```

```
RUN a2enmod rewrite
```

```
# Set working directory
```

```
WORKDIR /var/www/html
```

```
# Copy the source code of the Laravel app to the container
```

```
COPY . .
```

```
# Copy the .env file to the container
```

```
COPY .env.example .env
```

```
# Generate Laravel app key
```

```
RUN php artisan key:generate
```

```
# Install dependencies using Composer
```

```
RUN curl -sS https://getcomposer.org/installer | php --
--install-dir=/usr/local/bin --filename=composer
```

```
RUN composer install --no-interaction --no-ansi --no-scripts --no-progress --
prefer-dist
```

```
# Set file and folder permissions
```

```
RUN chown -R www-data:www-data storage bootstrap/cache
```

```
RUN chmod -R 775 storage bootstrap/cache
```

```
# Expose port 80
```

```
EXPOSE 80
```

```
# Start Apache server
```

```
CMD ["apache2-foreground"]
```

```
# Copy the environment file  
RUN cp .env.example .env
```

```
# Generate the application key  
RUN php artisan key:generate
```

Install Docker by running the following command:

- `apt-get update`
- `apt-get install -y docker.io`

Add the Jenkins user to the Docker group to allow it to run Docker commands:

- `usermod -aG docker jenkins`