

BookStack Installation on Ubuntu 24.04

? Description:

This page documents the complete process for installing **BookStack**, a self-hosted wiki and knowledge base, on a fresh Ubuntu 24.04 server using PHP, Nginx, and MariaDB. This service is used as my primary knowledge repository.

ref. <https://www.bookstackapp.com/docs/admin/installation/>

? Prerequisites

- Fresh Ubuntu 24.04 LTS server (minimal install) LXC
- Root or sudo access
- Static IP address

Ubuntu 24.04 Installation Script

A script to install BookStack on a fresh instance of Ubuntu 24.04 is available. This script is **ONLY FOR A FRESH OS** it will install Apache, MySQL 8.0 & PHP 8.3 and could **OVERWRITE** any existing web setup on the machine. It also does not set up mail settings or configure system security, so you will have to do those separately. You can use the script as a reference if you're installing on a non-fresh machine.

Running the Script

```
# Ensure you have read the above information about what this script does before executing
these commands.

# Download the script
wget https://codeberg.org/bookstack/devops/raw/branch/main/scripts/installation-ubuntu-
24.04.sh

# Make it executable
```

```
chmod a+x installation-ubuntu-24.04.sh

# Run the script with admin permissions
sudo ./installation-ubuntu-24.04.sh
```

The script will output a log file for debugging within your current working directory when running the script. Permissions for the BookStack installation files & folders will be set based on the user used to run the script.

? Change your BookStack instance URL

1. Set up a domain name (DNS)

Make sure that `wiki.example.com` points to your server's **public IP address** (private/internal). In my case, I used Cloudflare tunnel.

2. Configure BookStack's `.env`

Edit the BookStack environment file to reflect the new domain:

```
sudo nano /var/www/bookstack/.env
```

Update this line:

```
APP_URL=https://wiki.example.com
```

Then restart the web server:

```
sudo systemctl restart apache2
```

? Set up HTTPS with Let's Encrypt (Optional but Recommended)

Install Certbot:

```
sudo apt install certbot python3-certbot-apache
sudo certbot --apache -d wiki.example.com
```

It will automatically get and install the SSL certificate.

? Step-by-Step Mail Setup

1. Edit the `.env` File

Open the BookStack environment config:

```
sudo nano /var/www/bookstack/.env
```

Look for or add the following section:

```
MAIL_DRIVER=smtp
MAIL_HOST=smtp.example.com
MAIL_PORT=587
MAIL_USERNAME=your@email.com
MAIL_PASSWORD=your_password
MAIL_ENCRYPTION=tls
MAIL_FROM_ADDRESS=your@email.com
MAIL_FROM_NAME="BookStack"
```

Replace the values depending on your email provider.

2. Clear the config Cache (optional but recommended)

```
cd /var/www/bookstack
php artisan config:clear
```

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