BookStack ????????

□□ wiki□□

- BookStack □□
- BookStack □□□□□
- BookStack - SSL□□
- BookStack □□□□

BookStack ??

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- PVE
- LXC
- Debian 12

??nginx mariadb

```
 apt update
```

```
apt -y install nginx mariadb-server unzip git
```

```
systemctl enable nginx && systemctl start nginx


systemctl enable mariadb && systemctl start mariadb
```

?????

```
mariadb -u root -p

CREATE DATABASE IF NOT EXISTS bookstackdb DEFAULT CHARACTER SET utf8mb4 COLLATE
utf8mb4_unicode_ci;
GRANT ALL PRIVILEGES ON bookstackdb.* TO 'bookstackuser'@'localhost' IDENTIFIED BY
'bookstackpass' WITH GRANT OPTION;
FLUSH PRIVILEGES;
```

??PHP 8.4

```
apt install -y lsb-release ca-certificates apt-transport-https software-properties-common
```

```
wget -O /etc/apt/trusted.gpg.d/php.gpg https://packages.sury.org/php/apt.gpg
```

```
echo "deb https://packages.sury.org/php/ $(lsb_release -sc) main" | tee
/etc/apt/sources.list.d/sury-php.list
```

```
apt update && apt install curl php8.4 php8.4-
{common,mbstring,fpm,mysql,gd,cli,opcache,curl,ldap,odbc,xmlrpc,soap,intl,zip,tidy,xml} -y
```

??`/etc/php/8.4/fpm/php.ini`??

```
sed -i "s|^;cgi.fix_pathinfo=1.*$|cgi.fix_pathinfo=0|" /etc/php/8.4/fpm/php.ini
sed -i "s|^;cgi.fix_pathinfo=1.*$|cgi.fix_pathinfo=0|" /etc/php/8.4/cli/php.ini

sed -i "s|^;date.timezone =.*$|date.timezone = Asia/Taipei|" /etc/php/8.4/fpm/php.ini
sed -i "s|^;date.timezone =.*$|date.timezone = Asia/Taipei|" /etc/php/8.4/cli/php.ini

sed -i "s|^upload_max_filesize = 2M.*$|upload_max_filesize = 50M|" /etc/php/8.4/fpm/php.ini
sed -i "s|^upload_max_filesize = 2M.*$|upload_max_filesize = 50M|" /etc/php/8.4/cli/php.ini

sed -i "s|^post_max_size = 8M.*$|post_max_size = 200M|" /etc/php/8.4/fpm/php.ini
sed -i "s|^post_max_size = 8M.*$|post_max_size = 200M|" /etc/php/8.4/cli/php.ini

sed -i "s|^memory_limit = 128M.*$|memory_limit = 512M|" /etc/php/8.4/fpm/php.ini
sed -i "s|^memory_limit = -1.*$|memory_limit = 512M|" /etc/php/8.4/cli/php.ini

sed -i "s|^max_execution_time = 30.*$|max_execution_time = 600|" /etc/php/8.4/fpm/php.ini
sed -i "s|^max_execution_time = 30.*$|max_execution_time = 600|" /etc/php/8.4/cli/php.ini

sed -i "s|^max_input_time = 60.*$|max_input_time = 600|" /etc/php/8.4/fpm/php.ini
sed -i "s|^max_input_time = 60.*$|max_input_time = 600|" /etc/php/8.4/cli/php.ini

sed -i "s|^default_socket_timeout = 60.*$|default_socket_timeout = 600|"
/etc/php/8.4/fpm/php.ini
sed -i "s|^default_socket_timeout = 60.*$|default_socket_timeout = 600|"
/etc/php/8.4/cli/php.ini
```

?`/etc`/php/8.4/fpm/pool.d/www.conf ????

```
□□□□□□□□□
user = www-data
group = www-data

listen.owner = www-data
listen.group = www-data
listen.mode = 0660
```

```
#listen.mode□□□□

□□□□□□
php_value[session.save_path]    = /var/www/html/sessions
```

```
systemctl start php8.4-fpm && systemctl enable php8.4-fpm
```

??`/etc/nginx/nginx.conf`

```
http□□□□

client_body_timeout 120s;
client_max_body_size 100M;
```

??`/etc/nginx/conf.d/bookstack.conf`

```
server {
  listen 80;
  listen [::]:80;

  server_name _;

  root /var/www/html/bookstack/public;
  index index.php index.html;

  location / {
    try_files $uri $uri/ /index.php?$query_string;
  }

  location ~ \.php$ {
    include fastcgi_params;
    fastcgi_pass unix:/run/php/php8.4-fpm.sock;
    fastcgi_param SCRIPT_FILENAME $document_root$fastcgi_script_name;
  }
}
```

BookStack????

- □□ **Composer**

```
cd /usr/local/bin

curl -sS https://getcomposer.org/installer | php

mv composer.phar composer
```

- □□□□□□

```
mkdir -p /var/www/html

cd /var/www/html

mkdir /var/www/html/sessions

git clone https://github.com/BookStackApp/BookStack.git --branch release --single-branch

cd BookStack && composer install --no-dev
```

- BookStack □□

```
cp .env.example .env

□□ .env

#APP_URL=□□□□□
APP_URL=
DB_HOST=localhost
DB_DATABASE=bookstackdb
DB_USERNAME=bookstackuser
DB_PASSWORD=bookstackpass
```

```
php artisan key:generate --force
chown -R www-data:www-data /var/www/html/{BookStack,sessions}
php artisan migrate --force
```

- □□□□□□ `http://ip`□□□□□ admin@admin.com□ password

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BookStack ?????

BookStack??

```
cd /var/www/html/bookstack


nano .env
□□□□□□
APP_URL=http://ip/bookstack
```

NGINX??

□□ `/etc/nginx/conf.d/bookstack.conf`

```
server {
  listen 8080;
  listen [::]:8080;

  server_name _;

  root /var/www/html/bookstack/public;
  index index.php index.html;

  location / {
    try_files $uri $uri/ /index.php?$query_string;
  }
  location ~ \.php$ {
    include fastcgi_params;
    fastcgi_pass unix:/run/php/php8.4-fpm.sock;
    fastcgi_param SCRIPT_FILENAME $document_root$fastcgi_script_name;
  }
}



server {
  listen 80;
  listen [::]:80;
```

```
  server_name _;

  root /var/www/html;
  index index.html;

  location /bookstack/ {
    proxy_pass http://localhost:8080/;
    proxy_redirect off;
  }

}
```

```
nginx -t

service nginx restart
```

`http://ip/bookstack`

BookStack - SSL??

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- □□□□□□□□

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```
location /bookstack/ {
      client_max_body_size 50M;
      proxy_pass http://bookstack□□ip/bookstack/;
    }
```

BookStack????

```
□□bookstack□□
cd /var/www/html/bookstack

□□□□
php artisan bookstack:update-url <oldUrl> <newUrl>

□□□□
php artisan cache:clear

□□.env

APP_URL=https://xxx.com/bookstack
```

□□□□□ `https://xxx.com/bookstack`

BookStack ????

??

透過 `mysqldump` 備份資料庫

```
# Example
mysqldump -u user bookstack > bookstack.backup.sql


mysqldump -u 使用者 -p 資料庫名稱 > 資料庫名稱.backup.sql
```

??

以下是包含應備份資料的檔案和資料夾清單。

- `.env` - 文件，包含重要的設定資訊。
- `public/uploads` - 資料夾，包含所有上傳的圖像。
- `storage/uploads` - 資料夾，包含上傳的頁面附件。
- `themes` - 資料夾，包含任何已配置的視覺 /邏輯主題。

或者，您可以備份整個 **BookStack** 資料夾，但預設只有上述資料夾包含重要的特定於實例的資料。

```
tar -czvf bookstack-files-backup.tar.gz .env public/uploads storage/uploads themes
```

打包整個 **BookStack**

```
tar -czvf bookstack-files-backup.tar.gz bookstack
```

??

> 先重新安裝 BookStack後再還原備份檔案

資料庫還原

```
# Example
mysql -u root -p bookstack < bookstack.backup.sql


mysql -u 使用者 -p 資料庫名稱 < 資料庫名稱.backup.sql
```

還原備份檔

```
tar -xvzf bookstack-files-backup.tar.gz
```

??URL

- □□□□□ `.env`□□ `APP_URL`□□□□□□□□□□ **URL**□
- □□ □□□□□ **URL**□□ □□□□□□□□□□□□□ **URL**□

```
# Searches for <oldUrl> and replaces it with <newUrl>
php artisan bookstack:update-url <oldUrl> <newUrl>

# Example:
php artisan bookstack:update-url http://docs.example.com https://demo.bookstackapp.com
```