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- BookStack 開源知識管理平台
    - BookStack 架設
    - BookStack 改為子目錄
    - BookStack - SSL設定
    - BookStack 備份還原
- OpenVPN Server 使用帳號密碼驗證登入

BookStack ????????

□□ wiki□□

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註解打開


最後一行增加
php_value[session.save_path]    = /var/www/html/sessions
```

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

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

```
http區塊加入


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????

- 安裝 **Composer**

```
cd /usr/local/bin

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

mv composer.phar composer
```

- 新增目錄安裝

```
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 設定

```
cp .env.example .env

修改 .env

#APP_URL=先設定空白
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
```

- 設定完成輸入 `http://ip`，預設帳密 admin@admin.com、password

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BookStack □□□□□□□□

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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```
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 ????

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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

- 在設定檔中 `.env` 更新 `APP_URL` 值以完全符合您的新基本 URL。
- 執行「更新系統 URL」命令 來更新資料庫內容以使用新的 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
```

OpenVPN Server ??????????

Server ??

編輯設定檔 `/etc/openvpn/server/server.conf`

```
client-cert-not-required
auth-user-pass-verify /etc/openvpn/checkpsw.sh via-env
username-as-common-name
script-security 3
```

```
client-cert-not-required 不使用證書認證
auth-user-pass-verify /etc/openvpn/checkpsw.sh via-env 使用驗證腳本
username-as-common-name 使用帳密認證
script-security 3 安全級別
```

建立驗證腳本 `/etc/openvpn/checkpsw.sh`

```
#!/bin/sh
###########################################################
# checkpsw.sh (C) 2004 Mathias Sundman <mathias@openvpn.se>
#
# This script will authenticate OpenVPN users against
# a plain text file. The passfile should simply contain
# one row per user with the username first followed by
# one or more space(s) or tab(s) and then the password.
PASSFILE="/etc/openvpn/psw-file"
LOG_FILE="/var/log/openvpn/openvpn-password.log"
TIME_STAMP=`date "+%Y-%m-%d %T"`
###########################################################
if [ ! -r "${PASSFILE}" ]; then
  echo "${TIME_STAMP}: Could not open password file \"${PASSFILE}\" for reading." >>
${LOG_FILE}
  exit 1
fi
CORRECT_PASSWORD=`awk '!/^;/&&!/^#/&&$1=="'${username}'"{print $2;exit}' ${PASSFILE}`
if [ "${CORRECT_PASSWORD}" = "" ]; then
  echo "${TIME_STAMP}: User does not exist: username=\"${username}\",
```

```
password=\"${password}\"." >> ${LOG_FILE}
  exit 1
fi
if [ "${password}" = "${CORRECT_PASSWORD}" ]; then
  echo "${TIME_STAMP}: Successful authentication: username=\"${username}\"." >> ${LOG_FILE}
  exit 0
fi
echo "${TIME_STAMP}: Incorrect password: username=\"${username}\", password=\"${password}\"."
>> ${LOG_FILE}
exit 1
```

```
chmod +x /etc/openvpn/checkpsw.sh
```

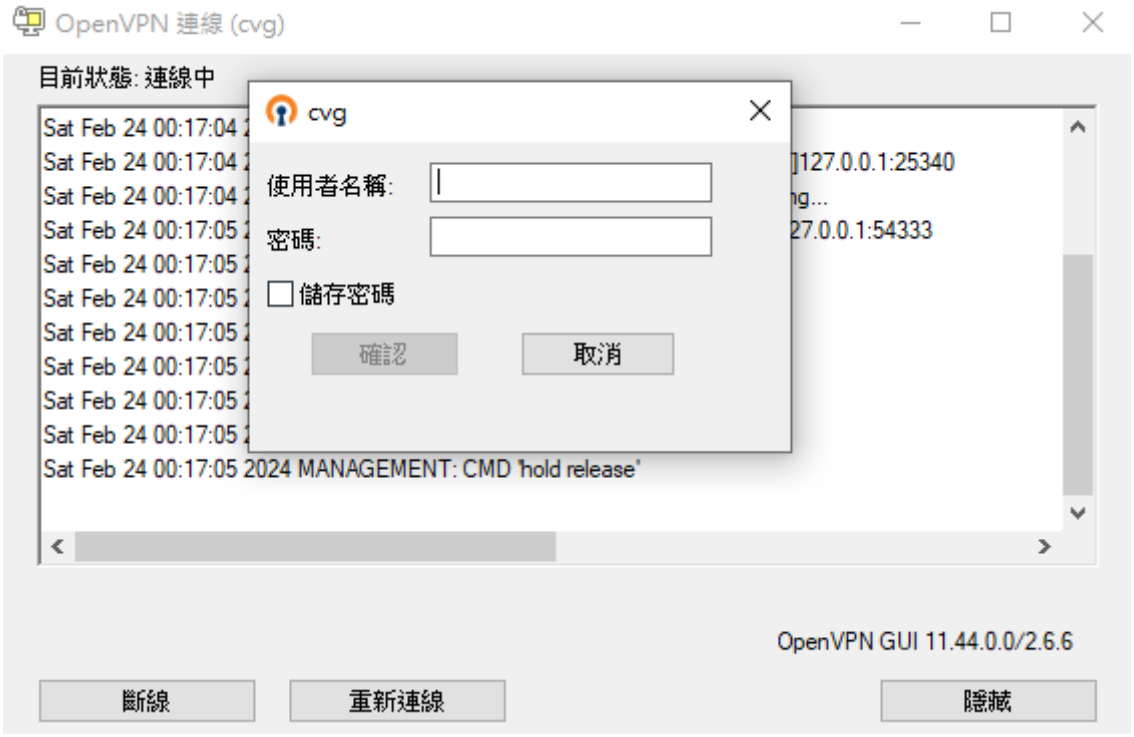
帳號密碼管理清單 **`/etc/openvpn/psw-file`**

```
user1 pswd1
user2 pswd2
```

```
chmod 777 /etc/openvpn/psw-file
chown root.root /etc/openvpn/* -R
```

Client ??

設定檔註解或移除 **client.crt client.key**, 保留 **ca**, 新增 **auth-user-pass**


OpenVPN 連線 (cvg)
目前狀態: 連線中
Sat Feb 24 00:17:04 2
Sat Feb 24 00:17:04 2
Sat Feb 24 00:17:04 2
Sat Feb 24 00:17:05 2
Sat Feb 24 00:17:05 2
Sat Feb 24 00:17:05 2
Sat Feb 24 00:17:05 2
Sat Feb 24 00:17:05 2
Sat Feb 24 00:17:05 2
Sat Feb 24 00:17:05 2024 MANAGEMENT: CMD 'hold release'
]127.0.0.1:25340
ng...
27.0.0.1:54333
cvg
使用者名稱:
密碼:
儲存密碼
確認
取消
OpenVPN GUI 11.44.0.0/2.6.6
斷線
重新連線
隱藏