

Backup & Restore

Preparations

1. Make sure to have php installed on your system
2. Get an `API token_id` and `API token_secret` from your user preferences in the webgui
3. Create a directory, where you want to store the backups

```
mkdir backup && cd backup  
mkdir zip md pdf
```

4. Downlaod the `export-books.php` script from github

```
curl https://raw.githubusercontent.com/BookStackApp/api-scripts/main/php-export-all-books/export-books.php > export-books.php
```

5. Edit the `export-books.php` script and enter the needed variables

```
BS_URL=https://bookstack.example.com # Set to be your BookStack base URL  
BS_TOKEN_ID=abc123 # Set to be your API token_id  
BS_TOKEN_SECRET=123abc # Set to be your API token_secret
```

6. Create a file `backup.sh` that specifies the kind of backup and deletes backup older than X days

```
#!/bin/bash  
  
# go to the correct directory  
cd $(dirname "$0")  
  
CURRENTDATE=$(date +%Y-%m-%d_%H-%M-%S)  
  
# Create a new backup using the bookstack-system-cli command  
docker exec -it bookstack /app/www/bookstack-system-cli backup  
/backup/zip/bookstack_$(date +%Y-%m-%d_%H-%M-%S).zip  
  
# create a backup in pdf and md format  
mkdir -p ./pdf/$CURRENTDATE ./md/$CURRENTDATE
```

```
php export-books.php pdf ./pdf/$CURRENTDATE
php export-books.php markdown ./md/$CURRENTDATE

# delete backups older than 10 days
find ./pdf -maxdepth 1 -mtime +10 -exec rm -r -f {} \;
find ./md -maxdepth 1 -mtime +10 -exec rm -r -f {} \;
find ./zip/*.zip -mtime +10 -exec rm -f {} \;
```

7. Make the added files executable

```
chmod +x export-books.php backup.sh
```

8. Make sure to bindmount your `backup` folder in the volumes section of the bookstack container by adding `- ./backup:/backup`

Backing up

With the above setup, pdf and markdown backups will be found inside the `backups` folder. Inside the zip `backup/zip` folder are the backups of the website.

To start backing up, simply create a cronjob that runs repeatedly. To save the books every day at 3am, simply add the following cronjob `0 3 * * * /path/to/bookstack/backup/backup.sh`

Now simply backup the whole backup folder regularly to a different place and you should be good to go

Restoring

To restore the data simply start a container and run the following command

```
docker exec -it bookstack /app/www/bookstack-system-cli restore backup/<<nameofbackup>>.zip
```

See also:

- <https://gist.github.com/ssddanbrown/3d5dbebc51ac6ca45837d8a030b07b65>
 - <https://github.com/BookStackApp/api-scripts/tree/main/php-export-all-books>
 - <https://www.bookstackapp.com/docs/admin/backup-restore/>
-

Revision #10

Created 10 September 2023 01:30:34 by Levin

Updated 14 September 2023 18:01:55 by Levin