

Installer BookStack

Cahier des charges :

Dans cette documentation nous allons installer les composants suivants :

- MySQL
- Git
- Composer
- PHP version 7.0.0 or greater
- PHP Extensions:
 - OpenSSL
 - PDO
 - MBstring
 - Tokenizer
 - GD
 - MySQLND
 - Tidy
 - SimpleXML
 - DOM

Installation de LAMP :

```
apt-get install wget git -y
wget https://scripts.nehemiebarkia.fr/BASH/Installations/LAMP.sh
bash LAMP.sh
```

```
apt-get install libmcrypt4 php7.4-ldap php7.4-mcrypt unzip curl git -y
```

En créant un fichier index.php et en y insérant le texte ci-dessous, vous aller pouvoir vérifier que les extensions PHP sont bien activées :

```
<?php phpinfo() ?>
```

openssl

OpenSSL support	enabled
OpenSSL Library Version	OpenSSL 1.1.1d 10 Sep 2019
OpenSSL Header Version	OpenSSL 1.1.1j 16 Feb 2021
Openssl default config	/usr/lib/ssl/openssl.cnf

Directive	Local Value	Master Value
openssl.cafile	no value	no value
openssl.capath	no value	no value

PDO

PDO support	enabled
PDO drivers	mysql

mbstring

Multibyte Support	enabled
Multibyte string engine	libmbfl
HTTP input encoding translation	disabled
libmbfl version	1.3.2

tokenizer

Tokenizer Support	enabled
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gd

GD Support	enabled
GD headers Version	2.2.5
GD library Version	2.2.5
FreeType Support	enabled
FreeType Linkage	with freetype
GIF Read Support	enabled
GIF Create Support	enabled
JPEG Support	enabled
PNG Support	enabled
WBMP Support	enabled
XPM Support	enabled
XBM Support	enabled
WebP Support	enabled
BMP Support	enabled
TGA Read Support	enabled

mysqlnd

mysqlnd	enabled
Version	mysqlnd 7.4.16
Compression	supported
core SSL	supported
extended SSL	supported
Command buffer size	4096
Read buffer size	32768
Read timeout	86400
Collecting statistics	Yes
Collecting memory statistics	No
Tracing	n/a
Loaded plugins	mysqlnd,debug_trace,auth_plugin_mysql_native_password,auth_plugin_mysql_clear_password,auth_plugin_caching_sha2_password,auth_plugin_sha256_password
API Extensions	mysqli,pdo_mysql

tidy

Tidy support	enabled
libTidy Version	5.6.0
libTidy Release	2017/11/25

Directive	Local Value	Master Value
tidy.clean_output	no value	no value
tidy.default_config	no value	no value

SimpleXML

SimpleXML support	enabled
Schema support	enabled

dom

DOM/XML	enabled
DOM/XML API Version	20031129
libxml Version	2.9.9
HTML Support	enabled
XPath Support	enabled
XPointer Support	enabled
Schema Support	enabled
RelaxNG Support	enabled

Supprimer le fichier index.php après son utilisation !

Installation de composer :

```
php -r "copy('https://getcomposer.org/installer', 'composer-setup.php');"  
php composer-setup.php
```

```
php -r "unlink('composer-setup.php');"
mv composer.phar /usr/local/bin/composer
```

MariaDB :

```
mysql -u root -p
# Enter password:
```

```
CREATE DATABASE bookstack;
GRANT ALL ON bookstack.* TO 'bookstack-user' IDENTIFIED BY 'MONSUPERMDP';
FLUSH PRIVILEGES;
exit
```

Installation de Bookstack :

```
mkdir -p /var/www/html/bookstack
chown -R www-data:www-data /var/www/html/bookstack
cd /var/www/html/bookstack
git clone https://github.com/BookStackApp/BookStack.git --branch release --single-branch .

composer install
cp .env.example .env
```

Modification de la configuration de Bookstack :

```
nano .env
```

```
# Database details
DB_HOST=localhost
DB_DATABASE=bookstack
DB_USERNAME=bookstack-user
DB_PASSWORD=MONSUPERMDP
```

et

```
# php artisan bookstack:update-url https://
APP_URL=http://172.18.199.42
# Database details
```

Mise en production :

```
php artisan key:generate
php artisan migrate
```

Configuration d'Apache2 :

```
nano /etc/apache2/sites-available/bookstack.conf
```

```
<VirtualHost *:80>
```

```
ServerAdmin webmaster@localhost
```

```
DocumentRoot /var/www/html/bookstack/public/
```

```
ErrorLog /var/log/apache2/error.log
```

```
CustomLog /var/log/apache2/access.log combined
```

```
# BookStack Configuration
```

```
<Directory "/var/www/html/bookstack/public">
```

```
Options FollowSymlinks
```

```
AllowOverride None
```

```
Require all granted
```

```
RewriteEngine On
```

```
# Redirect Trailing Slashes If Not A Folder...
```

```
RewriteCond %{REQUEST_FILENAME} !-d
```

```
RewriteRule ^(.*)/$ /$1 [L,R=301]
```

```
# Handle Front Controller...
```

```
RewriteCond %{REQUEST_FILENAME} !-d
```

```
RewriteCond %{REQUEST_FILENAME} !-f
```

```
RewriteRule ^ index.php [L]
```

```
</Directory>
```

```
<Directory "/var/www/html/bookstack">
```

```
    AllowOverride None
```

```
    Require all denied
```

```
</Directory>
```

```
# End BookStack Configuration
```

```
</VirtualHost>
```

Attribution des droits & activation de la configuration :

```
chown -R www-data:www-data /var/www/html/bookstack
```

```
a2enmod rewrite
```

```
a2dissite 000-default
```

```
a2ensite bookstack
```

```
systemctl reload apache2
```

Vous pouvez maintenant accéder au site et vous connecter avec le compte : `admin@admin.com` et le mot de passe : password

Revision #39

Created 15 March 2021 20:09:25 by Nehemie

Updated 26 December 2022 13:42:18 by Nehemie