

BookStack - Instalação em Ubuntu 22.04

Plataforma

A **Bookstack** é para mim a plataforma de eleição na criação de repositórios de conhecimento.

Sistema Operativo

Neste guia a implementação da BookStack é feita em cima de **Ubuntu 22.04**.

Instalação

Depois do Ubuntu Server 22.04 instalado, atualizado e **seguro**, descarregamos o script abaixo:

```
wget https://raw.githubusercontent.com/BookStackApp/devops/main/scripts/installation-ubuntu-22.04.sh
```

Tornamos o mesmo executável:

```
chmod a+x installation-ubuntu-22.04.sh
```

Executamo-lo com permissões de administrador.

Notas:

Este script só deve ser corrido numa nova instalação de Ubuntu 22.04;

Se o website será afeto, por exemplo, ao domínio "repositorio.pt", escrever isso quando surge a pergunta "Enter the domain (or IP...)"

```
sudo ./installation-ubuntu-22.04.sh
```

A instalação fica alojada em:

```
/var/www/bookstack
```

SSL

Para fazer a instalação de certificado, podemos usar CertBot e LetsEncrypt:

<https://certbot.eff.org/instructions?ws=apache&os=ubuntufocal>

Para forçar redirect da 80 para a 443:

<https://docs.sam.gy/books/bookstack/page/enabling-https-for-the-bookstack-web-interface>

Autenticação LDAP

Neste [link](#) encontram informação para implementação de autenticação LDAP.

Executem o comando seguinte para abrirem o ficheiro **.env**:

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

De qualquer forma, como tive de fazer alguma personalização para o meu ambiente, deixo abaixo valores para que tenham referência (LDAP pela 389, e-mail sem autenticação, qual o campo de utilizador referenciado, campo da foto, etc):

```
# This file, when named as ".env" in the root of your BookStack install
# folder, is used for the core configuration of the application.
# By default this file contains the most common required options but
# a full list of options can be found in the '.env.example.complete' file.

# NOTE: If any of your values contain a space or a hash you will need to
# wrap the entire value in quotes. (eg. MAIL_FROM_NAME="BookStack Mailer")

# Application key
# Used for encryption where needed.
# Run `php artisan key:generate` to generate a valid key.
APP_KEY=base64:JY zcl Rlb3 g+ '4 im dC 4phy' tal S. deEM p =

# Application URL
# This must be the root URL that you want to host BookStack on.
# All URLs in BookStack will be generated using this value
# to ensure URLs generated are consistent and secure.
# If you change this in the future you may need to run a command
# to update stored URLs in the database. Command example:
# php artisan bookstack:update-url https://old.example.com https://new.example.com
APP_URL=https://kb.linuxoia.com.pt

# Database details
DB_HOST=localhost
DB_DATABASE=bookstack
DB_USERNAME=bookstack
DB_PASSWORD=insl: C fU dx

# Mail system to use
# Can be 'smtp' or 'sendmail'
MAIL_DRIVER=smtp

# Mail sender details
MAIL_FROM_NAME="BookStack"
MAIL_FROM=bookstack@linuxoia.com.pt

# SMTP mail options
# These settings can be checked using the "Send a Test Email"
# feature found in the "Settings > Maintenance" area of the system.
MAIL_HOST=194.19.5
MAIL_PORT=25
MAIL_USERNAME=null
MAIL_PASSWORD=null
MAIL_ENCRYPTION=null

# Adicionado mais tarde para incremento de segurança:
SESSION_SECURE_COOKIE=true
LOG_FAILED_LOGIN_MESSAGE="Failed login for %u" # Needed for setting up fail2ban as well

# File Upload Limit
# Maximum file size, in megabytes, that can be uploaded to the system.
FILE_UPLOAD_SIZE_LIMIT=50
```

```

GNU nano 2.9.3
# General auth
AUTH_METHOD=ldap

# The LDAP host, Adding a port is optional
LDAP_SERVER=10.15.1.1:389
# If using LDAP over SSL you should also define the protocol:
# LDAP_SERVER=ldaps://example.com:636

# The base DN from where users will be searched within
LDAP_BASE_DN="DC=example,DC=com,DC=pt"

# The full DN and password of the user used to search the server
# Can both be left as 'false' (without quotes) to bind anonymously
LDAP_DN="CN=kb,OU=Users,DC=example,DC=com,DC=pt"
LDAP_PASS="1234567890"

# A filter to use when searching for users
# The user-provided user-name used to replace any occurrences of '${user}'
# If you're setting this option via other means, such as within a docker-compose.yml,
# you may need escape the $, often using $$ or \$.
# Note: This option cannot be used with the docker-compose.yml 'env_file' option.
#LDAP_USER_FILTER=(uid=${user})
LDAP_USER_FILTER=(sAMAccountName=${user})

# Set the LDAP version to use when connecting to the server
# Should be set to 3 in most cases.
LDAP_VERSION=3

# Set the property to use as a unique identifier for this user.
# Stored and used to match LDAP users with existing BookStack users.
# Prefixing the value with 'BIN;' will assume the LDAP service provides the attribute value as
# binary data and BookStack will convert the value to a hexadecimal representation.
# Defaults to 'uid'.
LDAP_ID_ATTRIBUTE=BIN;objectGUID

# Set the default 'email' attribute. Defaults to 'mail'
LDAP_EMAIL_ATTRIBUTE=mail

# Set the property to use for a user's display name. Defaults to 'cn'
LDAP_DISPLAY_NAME_ATTRIBUTE=cn

# Set the attribute to use for the user's avatar image.
# Must provide JPEG binary image data.
# Will be used upon login or registration when the user doesn't
# already have an avatar image set.
# Remove this option or set to 'null' to disable LDAP avatar import.
LDAP_THUMBNAIL_ATTRIBUTE=thumbnailPhoto

# Force TLS to be used for LDAP communication.
# Use this if you can but your LDAP support will need to support it and
# you may need to import your certificate to the BookStack host machine.
# Defaults to 'false'.
LDAP_START_TLS=false

# If you need to allow untrusted LDAPS certificates, add the below and uncomment (remove the #)

# Only set this option if debugging or you're absolutely sure it's required for your setup.
# If using php-fpm, you may want to restart it after changing this option to avoid instability.
LDAP_TLS_INSECURE=true

# If you need to debug the details coming from your LDAP server, add the below and uncomment (remove the #)
# Only set this option if debugging since it will block logins and potentially show private details.
#LDAP_DUMP_USER_DETAILS=true

```

Atualização / Manutenção

Neste [link](#) temos as instruções sobre como atualizar a plataforma.

De qualquer forma, os comandos abaixo são os que devem ser corridos:

```
sudo apt -y update && sudo apt -y upgrade
cd /var/www/bookstack
sudo git pull origin release
composer install --no-dev
php artisan migrate
sudo php artisan cache:clear
sudo php artisan config:clear
sudo php artisan view:clear
sudo systemctl restart apache2
```

E está feito.

Notas Importantes:

Se o processo de registo e login entrar em loop, eliminar o ficheiro abaixo e reiniciar o servidor:

```
/var/www/bookstack/bootstrap/cache/routes- v7. php
```

Doação

Se o acima te trouxe valor, aceito com gratidão uma doação

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Revision #7

Created 3 April 2023 08:05:31 by MoldedLight

Updated 21 April 2023 11:03:59 by MoldedLight