Link Checker Installation Manual

Web application to check several backlinks grouped by project automatically

Mario O. Villarroel
Customer Care/System Design
movilla@elcansoftware.com

Juan P. Aguilar
System Development
aguilarjpb@elcansoftware.com
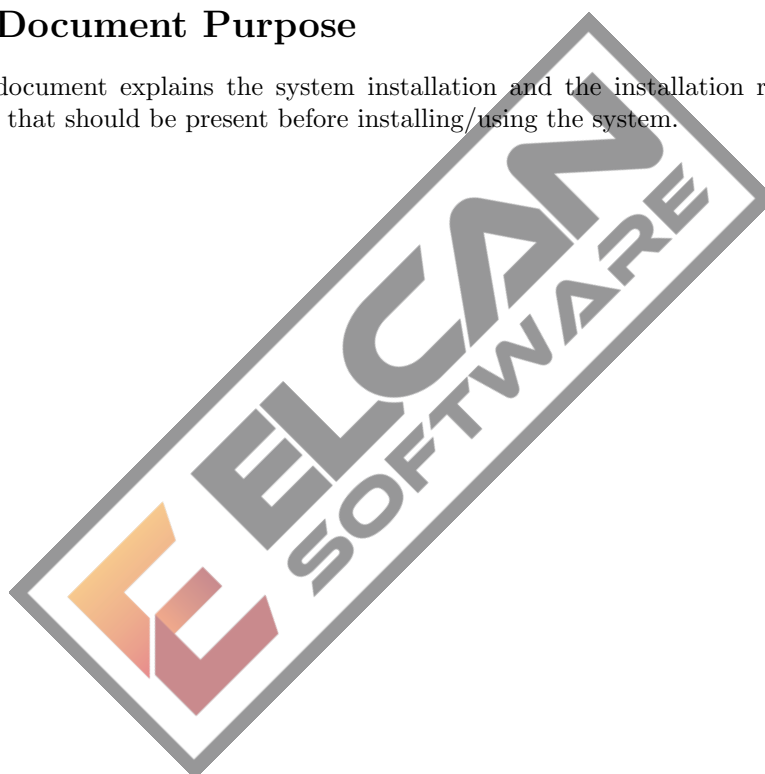
1 Document Version Control

Version	Author	Reviewer	Approver	Date	Change log
1.0	Mario O. Villarroel	J.P. Aguilar	Zaitec	2017-09-26	Initial Version

2 Project distribution list

Name	Role	E-mail	Date	Signature
Mario O. Villarroel	System Engineer	movilla@elcansoftware.com	2017-09-26	-
Juan P. Aguilar	System Developer	aguilarjpb@elcansoftware.com	2017-09-26	-
Zaitec	Product Owner	zaitec@fiverr.com	2017-09-26	-

3 Document Purpose

This document explains the system installation and the installation requirements that should be present before installing/using the system.

4 Pre-Requisites / server requirements

This system was developed using Laravel as the base framework, version 5.5.3, and it requires the following software to be available on the server to work:

- PHP newer or equal to 7.0.0

- OpenSSL PHP Extension

- PDO PHP Extension

- Mbstring PHP Extension

- Tokenizer PHP Extension

- XML PHP Extension

- CURL php extension

- CURL must be able to fetch pages from outside the server[1]

Once all those software requirements are complete, you need to

1. Create a database for the app in the server,eg. in a command line you'll do: `mysqladmin -u adminuser -p create linkcheckerdb`

2. Create a database user and grant permissions on the newly created database.

3. Upload the source into the server

4. Open a shell console to the app

5. Cd into the app uploaded folder (eg.: cd /home/linkchecker/public_html)

6. Run: `composer install`

7. Set the web server to use app/public as the document root

8. Edit the .env file and set the details for the app to run, specially the database details.

9. On the app folder you need to migrate the database in order to create the needed tables, to do so, we offer two alternatives:

   - `php artisan migrate`
   - `php artisan migrate --seed`[2]

After this, your server should show the application properly and you can begin to use it.

Please run the `--seed` option unless you know exactly what you are doing, as this will create the default user and administration accounts and they will allow you to start working.

Below we provide a copy of a sample .env file for your reference

---

[1] Not all shared hosting allows this

[2] This option allows the data population with sample items for all tables

```
APP_NAME="BackLink Checker"
APP_ENV=local
APP_KEY=base64:qQj+GQKurPZsv5dmGOFFHVckzjBu2Szt8A0vxR6j7MI=
APP_DEBUG=true
APP_LOG_LEVEL=debug
APP_URL=http://localhost

DB_CONNECTION=mysql
DB_HOST=127.0.0.1
DB_PORT=3306
DB_DATABASE=backlinkchecker
DB_USERNAME=zlinkcheck
DB_PASSWORD=55zl1nK3r

BROADCAST_DRIVER=log
CACHE_DRIVER=file
SESSION_DRIVER=file
QUEUE_DRIVER=sync

MAIL_DRIVER=smtp
MAIL_HOST=smtp.mailtrap.io
MAIL_PORT=2525
MAIL_USERNAME=null
MAIL_PASSWORD=null
MAIL_ENCRYPTION=null

PUSHER_APP_ID=
PUSHER_APP_KEY=
PUSHER_APP_SECRET=

WEBMASTER_EMAIL=webmaster-el@example.com
```

Feel free to use it for your own .env or modify it as needed.

If you need help installing laravel on your hosting, you can refer to this video on youtube `https://www.youtube.com/watch?v=DsgWKuGk3yM`