

Основы информационной безопасности. Индивидуальный проект

Этап № 2. Установка DVWA

Демидова Е.А.

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Российский Университет дружбы народов

Информация

- Демидова Екатерина Алексеевна
- студентка группы НКНбд-01-21
- Российский университет дружбы народов
- <https://github.com/eademidova>



Вводная часть


Целью данной работы является установка DVWA на Kali Linux.

Задачи:

- Установить DVWA

Инструмент: VirtualBox, Kali Linux

Выполнение лабораторной работы



```
eademidova@eademidova: /var/www/html

File Actions Edit View Help

(eademidova@eademidova)~]
$ cd /var/www/html

(eademidova@eademidova)-[/var/www/html]
$ sudo git clone https://github.com/digininja/DVWA.git
[sudo] password for eademidova:
Cloning into 'DVWA' ...
remote: Enumerating objects: 4590, done.
remote: Counting objects: 100% (140/140), done.
remote: Compressing objects: 100% (102/102), done.
remote: Total 4590 (delta 58), reused 102 (delta 37), pack-reused 4450
Receiving objects: 100% (4590/4590), 2.34 MiB | 3.20 MiB/s, done.
Resolving deltas: 100% (2153/2153), done.

(eademidova@eademidova)-[/var/www/html]
$
```

Рис. 1: Клонирование репозитория с DVWA

```
(eademidova@eadeimidova)-[/var/www/html]  
$ ls  
DVWA index.html index.nginx-debian.html  
  
(eademidova@eadeimidova)-[/var/www/html]  
$ sudo service apache2 start
```

Рис. 2: Запуск apache2

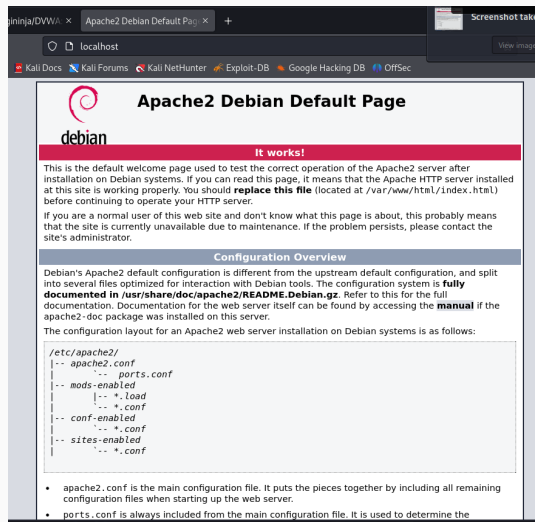


Рис. 3: Проверка работы веб-сервера

```
eademidova@eademidova: /var/www/html/DVWA
File Actions Edit View Help

(eademidova@eademidova)-[/var/www/html]
$ cd DVWA

(eademidova@eademidova)-[/var/www/html/DVWA]
$ sudo cp config/config.inc.php.dist config/config.inc.php

(eademidova@eademidova)-[/var/www/html/DVWA]
$ ls
CHANGELOG.md  README.fa.md  README.pt.md  compose.yml  external  login.php  security.php
COPYING.txt   README.fr.md  README.tr.md  config       favicon.ico  logout.php  security.txt
Dockerfile    README.id.md  README.zh.md  database     hackable    php.ini    setup.php
README.ar.md  README.ko.md  SECURITY.md    docs         index.php   phpinfo.php tests
README.es.md  README.md     about.php     dvwa         instructions.php  robots.txt  vulnerabilities

(eademidova@eademidova)-[/var/www/html/DVWA]
$ cat config/config.inc.php
<?php

# If you are having problems connecting to the MySQL database and all of the variables below are correct
# try changing the 'db_server' variable from localhost to 127.0.0.1. Fixes a problem due to sockets.
# Thanks to @digininja for the fix.

# Database management system to use
$dbms = 'MySQL';
#$dbms = 'PGSQL'; // Currently disabled

# Database variables
# WARNING: The database specified under db_database WILL BE ENTIRELY DELETED during setup.
# Please use a database dedicated to DVWA.
#
# If you are using MariaDB then you cannot use root, you must use create a dedicated DVWA user.
# See README.md for more information on this.
$DVWA = array();
$DVWA['db_server'] = getenv('DB_SERVER') ? '127.0.0.1';
$DVWA['db_database'] = 'dvwa';
$DVWA['db_user'] = 'dvwa';
$DVWA['db_password'] = 'p8ssw0rd';
$DVWA['db_port'] = '3306';

# ReCAPTCHA settings
# Used for the 'Insecure CAPTCHA' module
# You'll need to generate your own keys at: https://www.google.com/recaptcha/admin
$DVWA['recaptcha_public_key'] = '';
$DVWA['recaptcha_private_key'] = '';

# Default security level
# Default value for the security level with each session.
# The default is 'impossible'. You may wish to set this to either 'low', 'medium', 'high' or 'impossible'.
$DVWA['default_security_level'] = 'impossible';

# Default locale
# Default locale for the help page shown with each session.
# The default is 'en'. You may wish to set this to either 'en' or 'zh'.
$DVWA['default_locale'] = 'en';
```

Рис. 4: Просмотр файла конфигураций

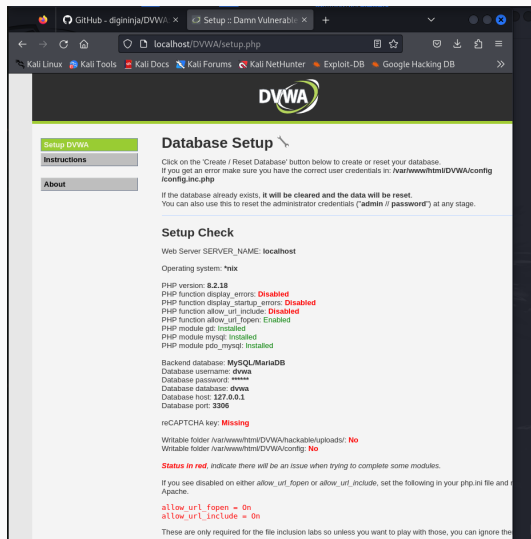


Рис. 5: Просмотр стартового окна DVWA

```
(eademidova@eadeidova)-[/var/www/html/DVWA]
$ service mariadb start

(eademidova@eadeidova)-[/var/www/html/DVWA]
$ sudo su -
(root@eadeidova)-[~]
# mysql
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 31
Server version: 10.11.8-MariaDB-1 Debian n/a

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Support MariaDB developers by giving a star at https://github.com/MariaDB/server
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> create database dvwa;
Query OK, 1 row affected (0.000 sec)

MariaDB [(none)]> create user dvwa@localhost identified by 'p@ssw0rd';
Query OK, 0 rows affected (0.012 sec)

MariaDB [(none)]> grant all on dvwa.* to dvwa@localhost;
Query OK, 0 rows affected (0.027 sec)

MariaDB [(none)]> flush privileges;
Query OK, 0 rows affected (0.001 sec)

MariaDB [(none)]>
```

Рис. 6: Создание пользователя mariadb и базы данных

```
(eademidova@eademidova)-[~] you cannot use root, you must use create a dedicated user.
$ mysql -u dvwa -p more information on this.
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 36
Server version: 10.11.8-MariaDB-1 Debian n/a
$ dvwa --db-password='root' --password='root'
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Support MariaDB developers by giving a star at https://github.com/MariaDB/server
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
# You now need to generate your own keys at: https://www.google.com/recaptcha/ad
MariaDB [(none)]> use dvwa;
Database changed
MariaDB [dvwa]>
```

Рис. 7: Проверка пользователя mariadb

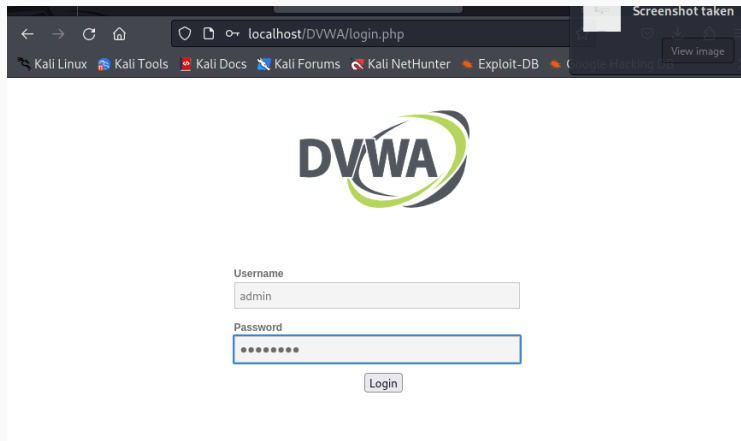


Рис. 8: Аутентификация

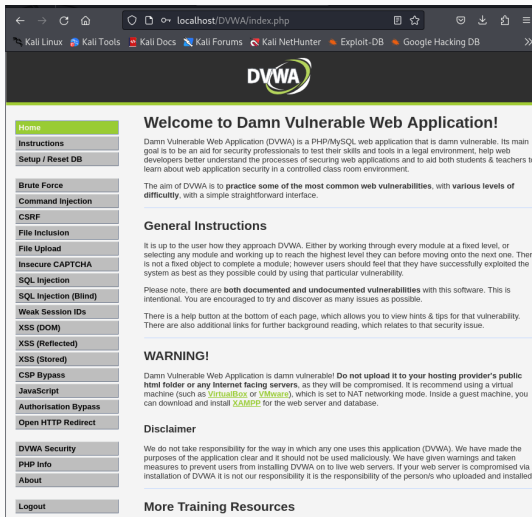


Рис. 9: Запуск DVWA

Заключение

В результате выполнения работы был установлен DVWA на Kali Linux.

1. DVWA [Электронный ресурс]. GitHub, Inc, 2024. URL: <https://github.com/digininja/DVWA>.