РОССИЙСКИЙ УНИВЕРСИТЕТ ДРУЖБЫ НАРОДОВ

Факультет физико-математических и естественных наук

ОТЧЕТ ИНДИВИДУАЛЬНОГО ПРОЕКТА

ПО ЭТАПУ № 2

"Установка DVWA"

дисциплина: Основы информационной безопасности

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Цель работы:

Научиться основным способам тестирования веб приложений, а именно в Damn Vulnerable Web Application (DVWA).

Выполнение работы:

Установим DVWA в гостевую систему к Kali Linux.

Репозиторий: https://github.com/digininja/DVWA.

Воспользуемся файлом из репозитория:
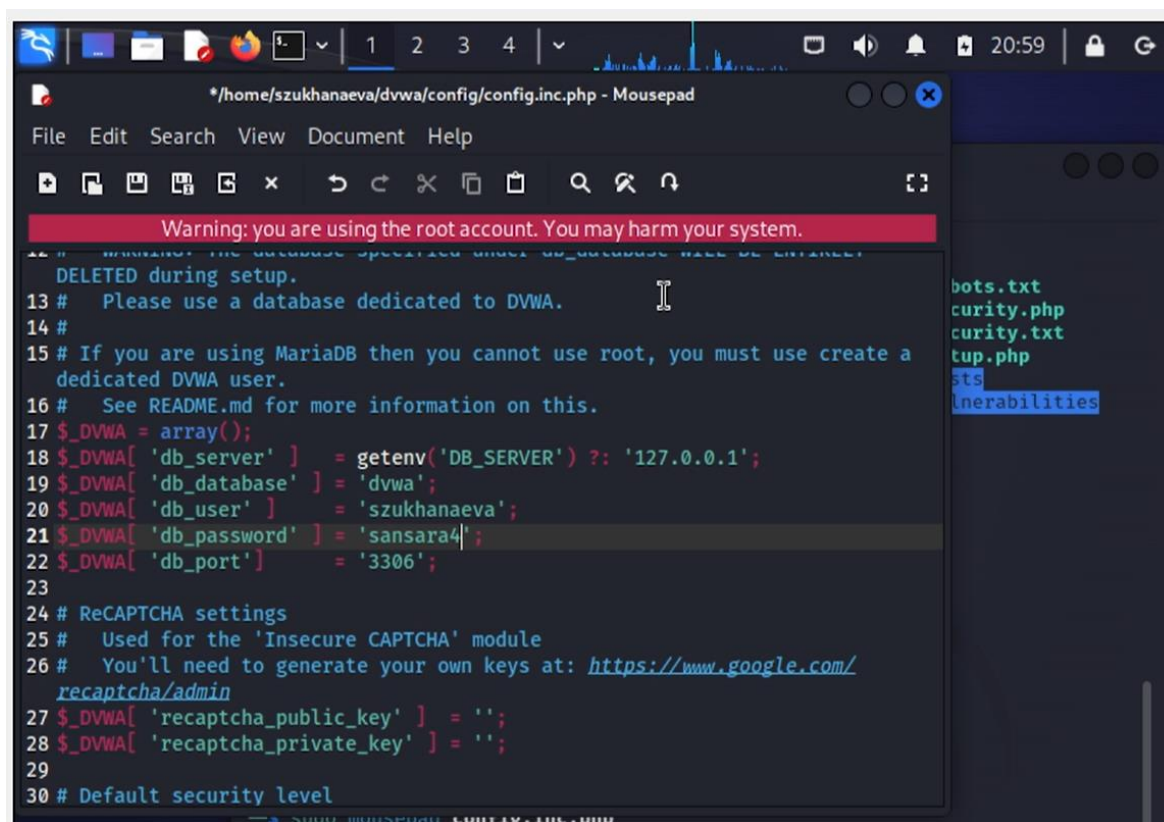
```
┌──(szukhanaeva㊉kali)-[~]
└─$ ls
Desktop     Downloads   Pictures   Templates   dvwa
Documents   Music       Public     Videos

┌──(szukhanaeva㊉kali)-[~]
└─$ cd dvwa

┌──(szukhanaeva㊉kali)-[~/dvwa]
└─$ ls
CHANGELOG.md    README.id.md    compose.yml    hackable              robots.txt
COPYING.txt     README.md       config         index.php             security.php
Dockerfile      README.pt.md    database       instructions.php      security.txt
README.ar.md    README.tr.md    docs           login.php             setup.php
README.es.md    README.zh.md    dvwa           logout.php            tests
README.fa.md    SECURITY.md     external       php.ini               vulnerabilities
README.fr.md    about.php       favicon.ico    phpinfo.php

┌──(szukhanaeva㊉kali)-[~/dvwa]
└─$
```

*/home/szukhanaeva/dvwa/config/config.inc.php - Mousepad

File   Edit   Search   View   Document   Help

Warning: you are using the root account. You may harm your system.

```php
12 #   WARNING: The database specified under db_database WILL BE ENTIRELY
   DELETED during setup.
13 #    Please use a database dedicated to DVWA.
14 #
15 # If you are using MariaDB then you cannot use root, you must use create a
   dedicated DVWA user.
16 #   See README.md for more information on this.
17 $_DVWA = array();
18 $_DVWA[ 'db_server' ]   = getenv('DB_SERVER') ?: '127.0.0.1';
19 $_DVWA[ 'db_database' ] = 'dvwa';
20 $_DVWA[ 'db_user' ]     = 'szukhanaeva';
21 $_DVWA[ 'db_password' ] = 'sansara4';
22 $_DVWA[ 'db_port']      = '3306';
23
24 # ReCAPTCHA settings
25 #   Used for the 'Insecure CAPTCHA' module
26 #   You'll need to generate your own keys at: https://www.google.com/
   recaptcha/admin
27 $_DVWA[ 'recaptcha_public_key' ]  = '';
28 $_DVWA[ 'recaptcha_private_key' ] = '';
29
30 # Default security level
```

File Actions Edit View Help

```
┌──(szukhanaeva㉿kali)-[~/dvwa/config]
└─$ sudo apt-get install default-mysql-server
Reading package lists ... Done
Building dependency tree ... Done
Reading state information ... Done
default-mysql-server is already the newest version (1.1.0).
default-mysql-server set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 1566 not upgraded.

┌──(szukhanaeva㉿kali)-[~/dvwa/config]
└─$ sudo service mysql start

┌──(szukhanaeva㉿kali)-[~/dvwa/config]
└─$ systemctl status
```

"the quieter you become, the more you are able to hear"

```
┌──(szukhanaeva㉿kali)-[~/dvwa/config]
└─$ systemctl status mysql
● mariadb.service - MariaDB 10.11.5 database server
     Loaded: loaded (/lib/systemd/system/mariadb.service; disabled; preset: >
● mariadb.service - MariaDB 10.11.5 database server
     Loaded: loaded (/lib/systemd/system/mariadb.service; disabled; preset: >
     Active: active (running) since Sat 2024-03-16 21:01:03 MSK; 44s ago
       Docs: man:mariadbd(8)
             https://mariadb.com/kb/en/library/systemd/
    Process: 7467 ExecStartPre=/usr/bin/install -m 755 -o mysql -g root -d />
    Process: 7469 ExecStartPre=/bin/sh -c systemctl unset-environment _WSREP>
    Process: 7472 ExecStartPre=/bin/sh -c [ ! -e /usr/bin/galera_recovery ] >
    Process: 7542 ExecStartPost=/bin/sh -c systemctl unset-environment _WSRE>
    Process: 7545 ExecStartPost=/etc/mysql/debian-start (code=exited, status>
   Main PID: 7532 (mariadbd)
     Status: "Taking your SQL requests now ... "
      Tasks: 11 (limit: 4598)
     Memory: 229.5M
```

```
┌──(szukhanaeva㉿kali)-[~/dvwa/config]
└─$ sudo su
[sudo] password for szukhanaeva:
┌──(root㉿kali)-[/home/szukhanaeva/dvwa/config]
└─# mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 31
Server version: 10.11.5-MariaDB-3 Debian n/a

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

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement
.

MariaDB [(none)]> create database
    → dvwa
    → :
    → ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual th
at corresponds to your MariaDB server version for the right syntax to use nea
r ':' at line 3
MariaDB [(none)]> create database dvwa;
Query OK, 1 row affected (0.000 sec)

MariaDB [(none)]> create user 'admin'@'127.0.0.1' identified by 'password';
```

```
root@kali: /etc/php/8.2/apache2

File  Actions  Edit  View  Help

┌──(szukhanaeva㉿kali)-[~/dvwa/config]
└─$ sudo su
[sudo] password for szukhanaeva:
┌──(root㉿kali)-[/home/szukhanaeva/dvwa/config]
└─# cd /etc/php

┌──(root㉿kali)-[/etc/php]
└─# ls
8.2

┌──(root㉿kali)-[/etc/php]
└─# cd 8.2

┌──(root㉿kali)-[/etc/php/8.2]
└─# ls
apache2  cli  mods-available

┌──(root㉿kali)-[/etc/php/8.2]
└─# cd apache2

┌──(root㉿kali)-[/etc/php/8.2/apache2]
└─# ls
conf.d  php.ini

┌──(root㉿kali)-[/etc/php/8.2/apache2]
└─# mousepad
```

Вывод:

В ходе выполнения индивидуального проекта я научилась основным способам тестирования веб приложений, а именно в Damn Vulnerable Web Application (DVWA).