

Презентация по этапу №2

Основы информационной безопасности

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- НПИбд-02-22

- Установка DVWA в гостевую систему к Kali Linux.

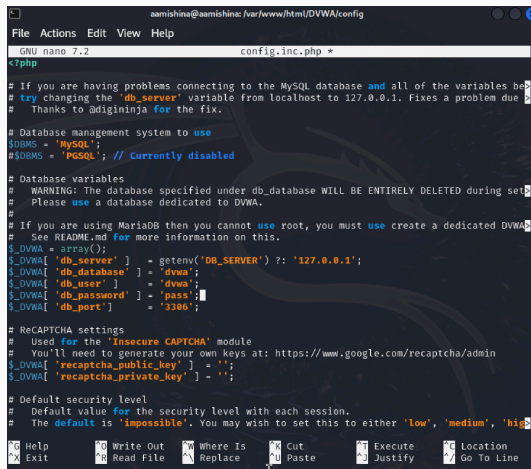
Выполнение работы

Клонирование репозитория

[illegible]

Рис. 1: Переход в каталог, клонирование репозитория, файл конфигурации

Редактирование файла



```
aamishina@aamishina: /var/www/html/DVWA/config
File Actions Edit View Help
GNU nano 7.2 config.inc.php *
<?php

# If you are having problems connecting to the MySQL database and all of the variables be
# try changing the 'db_server' variable from localhost to 127.0.0.1. Fixes a problem due
# Thanks to @diginiinja 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 set
# Please use a database dedicated to DVWA.
#
# If you are using MariaDB then you cannot use root, you must use create a dedicated DVWA
# 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' ] = 'pass';
$_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'
```

Рис. 2: Файл config.inc.php

```
(aamishina@aamishina)-[/var/www/html/DVWA/config]
$ sudo apt-get update
Get:1 http://kali.download/kali kali-rolling InRelease [41.5 kB]
Get:2 http://kali.download/kali kali-rolling/main arm64 Packages [19.6 MB]
Ign:2 http://kali.download/kali kali-rolling/main arm64 Packages
Get:3 http://kali.download/kali kali-rolling/main arm64 Contents (deb) [46.4 MB]
Get:4 http://kali.download/kali kali-rolling/contrib arm64 Packages [101 kB]
Get:5 http://kali.download/kali kali-rolling/contrib arm64 Contents (deb) [176 kB]
Get:6 http://kali.download/kali kali-rolling/non-free arm64 Packages [152 kB]
Get:7 http://kali.download/kali kali-rolling/non-free arm64 Contents (deb) [847 kB]
Get:8 http://kali.download/kali kali-rolling/non-free-firmware arm64 Packages [32.2 kB]
Get:9 http://kali.download/kali kali-rolling/non-free-firmware arm64 Contents (deb) [16.1
kB]
Get:2 http://kali.download/kali kali-rolling/main arm64 Packages [19.6 MB]
Fetched 48.6 MB in 2min 3s (395 kB/s)
Reading package lists... Done

(aamishina@aamishina)-[/var/www/html/DVWA/config]
$ sudo apt-get -y install apache2 mariadb-server php php-mysqli php-gd libapache2-mod-php
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Note, selecting 'php8.2-mysql' instead of 'php-mysqli'
apache2 is already the newest version (2.4.58-1+b1).
apache2 set to manually installed.
mariadb-server is already the newest version (1:10.11.6-2).
mariadb-server set to manually installed.
php is already the newest version (2:8.2+93).
php set to manually installed.
php8.2-mysql is already the newest version (8.2.12-1+b1).
php8.2-mysql set to manually installed.
libapache2-mod-php is already the newest version (2:8.2+93).
```

Рис. 3: Установка mariadb

```
(aamishina@aamishina)-[/etc/php/8.2/apache2]
$ sudo service mysql start

(aamishina@aamishina)-[/etc/php/8.2/apache2]
$ sudo mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 37
Server version: 10.11.6-MariaDB-2 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 user 'dvwa'@'127.0.0.1' identified by 'pass';
Query OK, 0 rows affected (0.003 sec)

MariaDB [(none)]> grant all privileges on dvwa.* to 'dvwa'@'127.0.0.1' identified by 'pass';
Query OK, 0 rows affected (0.003 sec)

MariaDB [(none)]> exit
Bye

(aamishina@aamishina)-[/etc/php/8.2/apache2]
$
```

Рис. 4: Работа с базой данных

Настройка сервера

```
(aamishina@aamishina)-[/var/www/html/DVWA/config]
$

(aamishina@aamishina)-[/var/www/html/DVWA/config]
$

(aamishina@aamishina)-[/var/www/html/DVWA/config]
$

(aamishina@aamishina)-[/var/www/html/DVWA/config]
$ cd /etc/php/8.2/apache2

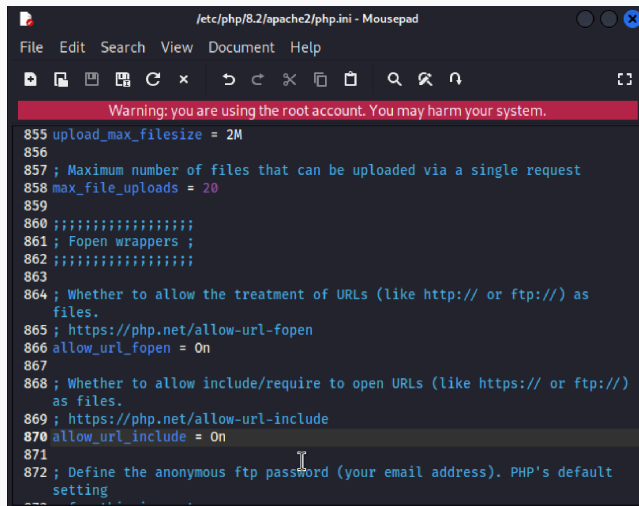
(aamishina@aamishina)-[/etc/php/8.2/apache2]
$ sudo mousepad php.ini

(aamishina@aamishina)-[/etc/php/8.2/apache2]
$ sudo service apache2 start

(aamishina@aamishina)-[/etc/php/8.2/apache2]
$ █
```

Рис. 5: Переход в каталог, открытие файла, запуск сервера Apache

Изменение параметров



```
855 upload_max_filesize = 2M
856
857 ; Maximum number of files that can be uploaded via a single request
858 max_file_uploads = 20
859
860 ;;;;;;;;;;;;;;;;;
861 ; Fopen wrappers ;
862 ;;;;;;;;;;;;;;;;;
863
864 ; Whether to allow the treatment of URLs (like http:// or ftp://) as
   files.
865 ; https://php.net/allow-url-fopen
866 allow_url_fopen = On
867
868 ; Whether to allow include/require to open URLs (like https:// or ftp://)
   as files.
869 ; https://php.net/allow-url-include
870 allow_url_include = On
871
872 ; Define the anonymous ftp password (your email address). PHP's default
   setting
```

Рис. 6: Файл php.ini

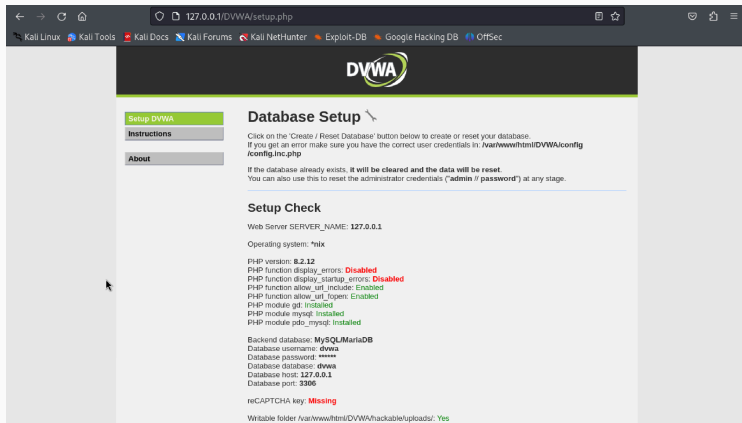


Рис. 7: Страница настройки

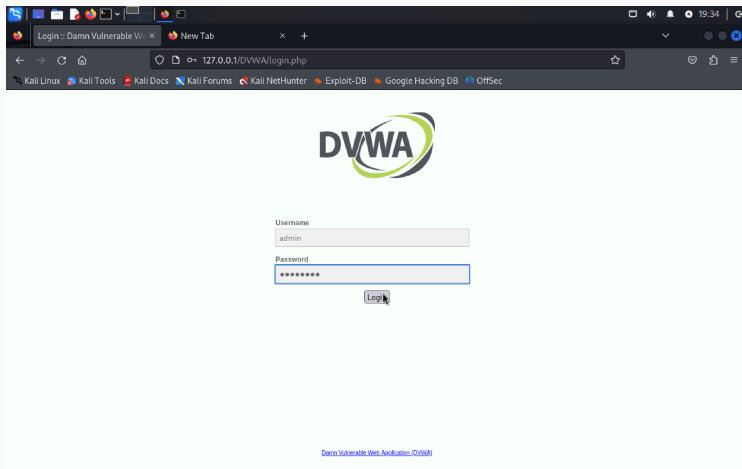


Рис. 8: Страница входа

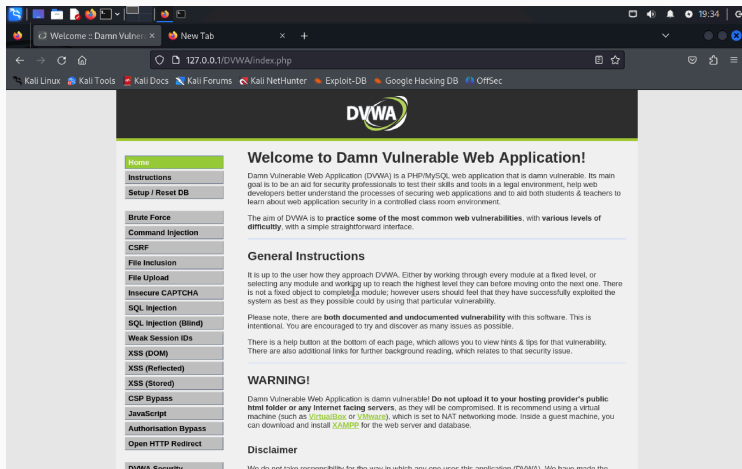


Рис. 9: Страница приветствия

- В ходе выполнения данной лабораторной работы, я установила DVWA в гостевую систему к Kali Linux.