

# Второй этап индивидуального проекта

## Основы информационной безопасности

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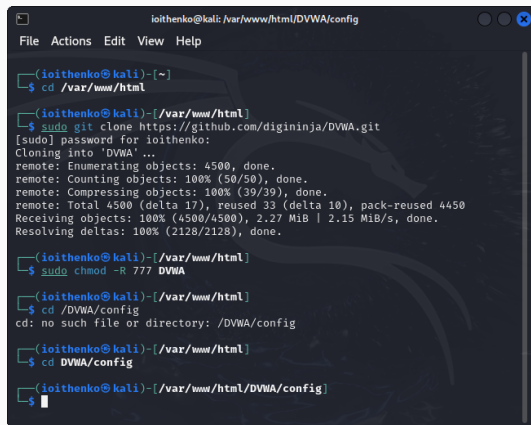
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- НПИбд-02-22

Установка DVWA сервиса на Kali Linux.

## Выполнение индивидуального проекта

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# Клонирование репозитория



```
ioithenko@kali: /var/www/html/DVWA/config
File Actions Edit View Help

(ioithenko@kali)-[~]
$ cd /var/www/html

(ioithenko@kali)-[/var/www/html]
$ sudo git clone https://github.com/digininja/DVWA.git
[sudo] password for ioithenko:
Cloning into 'DVWA' ...
remote: Enumerating objects: 4500, done.
remote: Counting objects: 100% (50/50), done.
remote: Compressing objects: 100% (39/39), done.
remote: Total 4500 (delta 17), reused 33 (delta 10), pack-reused 4450
Receiving objects: 100% (4500/4500), 2.27 MiB | 2.15 MiB/s, done.
Resolving deltas: 100% (2128/2128), done.

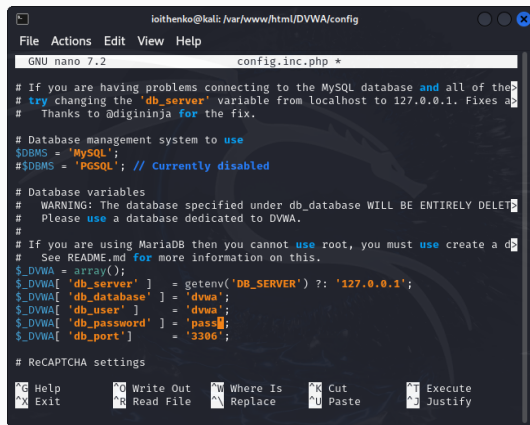
(ioithenko@kali)-[/var/www/html]
$ sudo chmod -R 777 DVWA

(ioithenko@kali)-[/var/www/html]
$ cd DVWA/config
cd: no such file or directory: /DVWA/config

(ioithenko@kali)-[/var/www/html]
$ cd DVWA/config

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

Рис. 1: Клонирование репозитория



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

# If you are having problems connecting to the MySQL database and all of the
# try changing the 'db_server' variable from localhost to 127.0.0.1. Fixes ap
# 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 DELET
# Please use a database dedicated to DVWA.
#
# If you are using MariaDB then you cannot use root, you must use create a d
# 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' ] = 'passw';
$_DVWA[ 'db_port' ] = '3306';

# ReCAPTCHA settings

^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute
^X Exit      ^R Read File  ^_ Replace    ^U Paste      ^J Justify
```

Рис. 2: Содержимое файла конфигурации

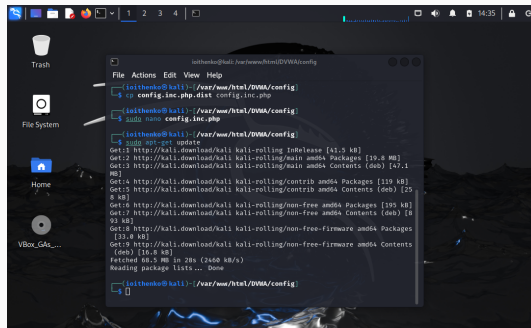
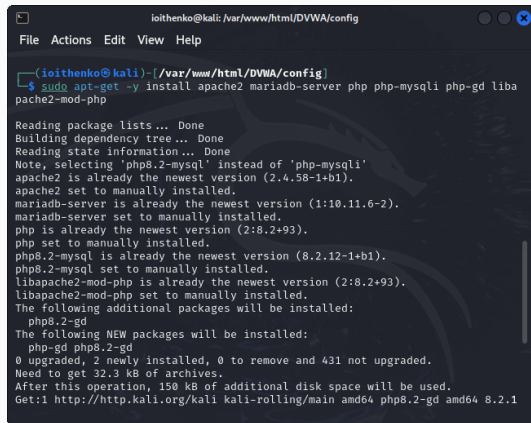


Рис. 3: Обновление системы



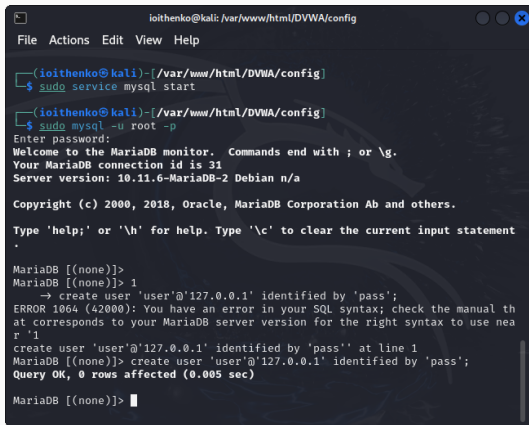
```
ioithenko@kali: /var/www/html/DVWA/config
File Actions Edit View Help

(ioithenko@kali)-[/var/www/html/DVWA/config]
$ sudo apt-get -y install apache2 mariadb-server php php-mysqli php-gd liba
pache2-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).
libapache2-mod-php set to manually installed.
The following additional packages will be installed:
  php8.2-gd
The following NEW packages will be installed:
  php-gd php8.2-gd
0 upgraded, 2 newly installed, 0 to remove and 431 not upgraded.
Need to get 32.3 kB of archives.
After this operation, 150 kB of additional disk space will be used.
Get:1 http://http.kali.org/kali kali-rolling/main amd64 php8.2-gd amd64 8.2.1
```

Рис. 4: Установка





```
ioithenko@kali: /var/www/html/DVWA/config
File Actions Edit View Help

(ioithenko@kali)-[/var/www/html/DVWA/config]
$ sudo service mysql start

(ioithenko@kali)-[/var/www/html/DVWA/config]
$ sudo mysql -u root -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 31
Server version: 10.11.6-MariaDB-2 Debian n/a

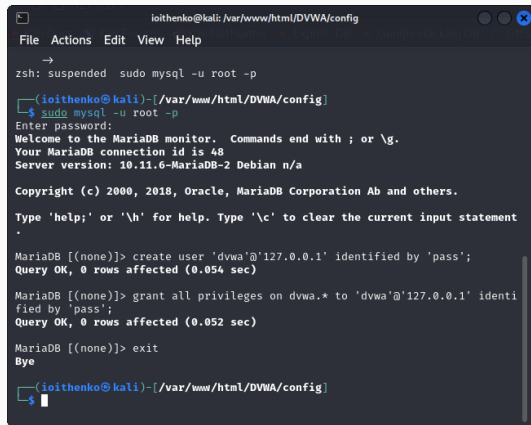
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]>
MariaDB [(none)]> 1
→ create user 'user'@'127.0.0.1' identified by 'pass';
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 '1'
create user 'user'@'127.0.0.1' identified by 'pass' at line 1
MariaDB [(none)]> create user 'user'@'127.0.0.1' identified by 'pass';
Query OK, 0 rows affected (0.005 sec)

MariaDB [(none)]> █
```

Рис. 5: Создание базы данных



```
ioithenko@kali: /var/www/html/DVWA/config
File Actions Edit View Help
→
zsh: suspended  sudo mysql -u root -p

(ioithenko@kali)-[/var/www/html/DVWA/config]
$ sudo mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 48
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
.

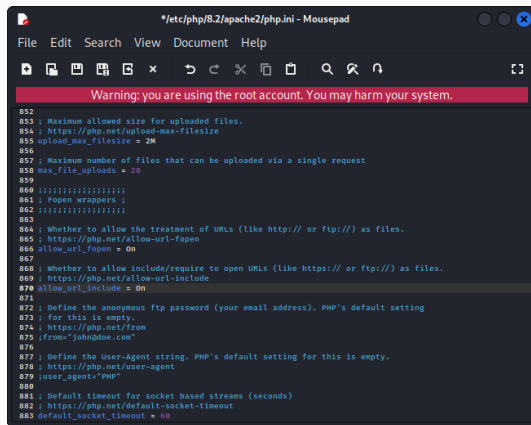
MariaDB [(none)]> create user 'dvwa'@'127.0.0.1' identified by 'pass';
Query OK, 0 rows affected (0.054 sec)

MariaDB [(none)]> grant all privileges on dvwa.* to 'dvwa'@'127.0.0.1' identified by 'pass';
Query OK, 0 rows affected (0.052 sec)

MariaDB [(none)]> exit
Bye

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

Рис. 6: Создание базы данных

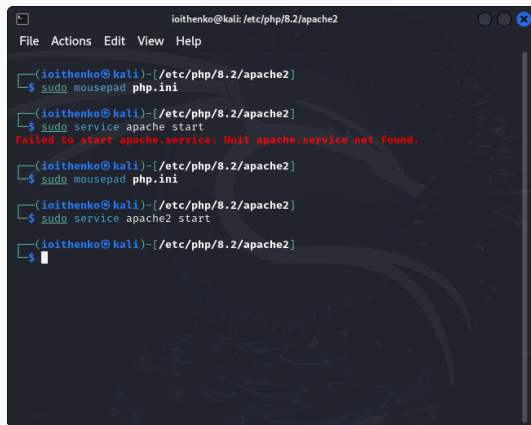


```
*etc/php/8.2/apache2/php.ini - Mousepad
File Edit Search View Document Help

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

852
853 ; Maximum allowed size for uploaded files.
854 ; https://php.net/upload-max-filesize
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
873 ; for this is empty.
874 ; https://php.net/from
875 ;from="john@doe.com"
876
877 ; Define the User-Agent string. PHP's default setting for this is empty.
878 ; https://php.net/user-agent
879 ;user_agent="PHP"
880
881 ; Default timeout for socket based streams (seconds)
882 ; https://php.net/default-socket-timeout
883 default_socket_timeout = 60
```

Рис. 7: Параметры сервера Apache



```
ioithenko@kali: /etc/php/8.2/apache2
File Actions Edit View Help

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

(ioithenko@kali)-[/etc/php/8.2/apache2]
$ sudo service apache start
Failed to start apache.service: Unit apache.service not found.

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

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

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

Рис. 8: Запуск сервера

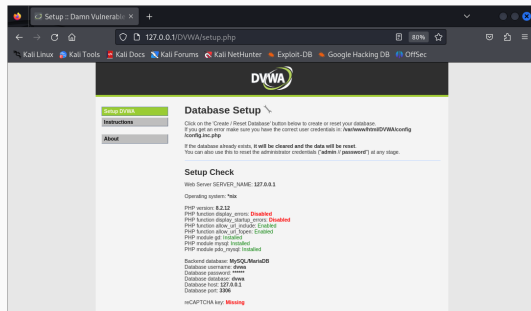


Рис. 9: Страница настройка DVWA Kali Linux

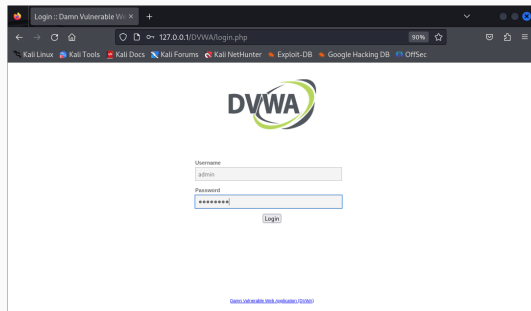


Рис. 10: Страница входа DVWA Kali Linux

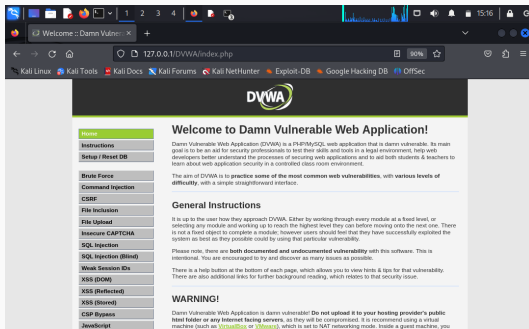


Рис. 11: Меню

## Вывод

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В ходе данного этапа проекта я установила DVWA сервер на Kali Linux.