

РОССИЙСКИЙ УНИВЕРСИТЕТ ДРУЖБЫ НАРОДОВ

Факультет физико-математических и естественных наук

ОТЧЕТ Этап проекта №2

Тема: Установка DVWA

дисциплина: Информационная безопасность

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Введение.

Цель работы.

Установите DVWA в гостевую систему к Kali Linux.

Ход работы

Для начала, запусти виртуальную машину Kali Linux, посетим рекомендуемый репозиторий github и ознакомимся с информацией о данном программном обеспечении DVWA (рис.1, рис.2):

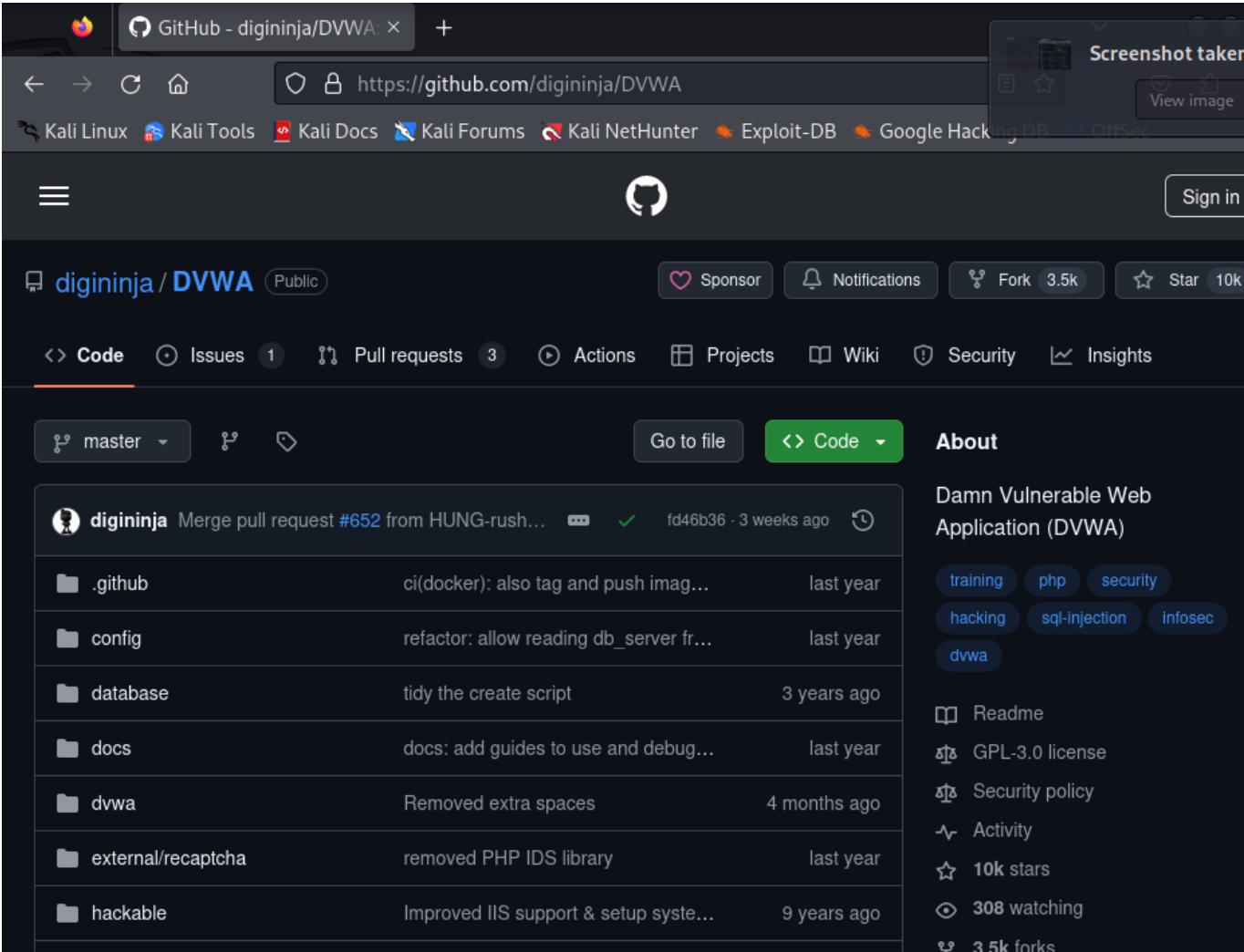


Рис.1(вид репозитория ПО DVWA)

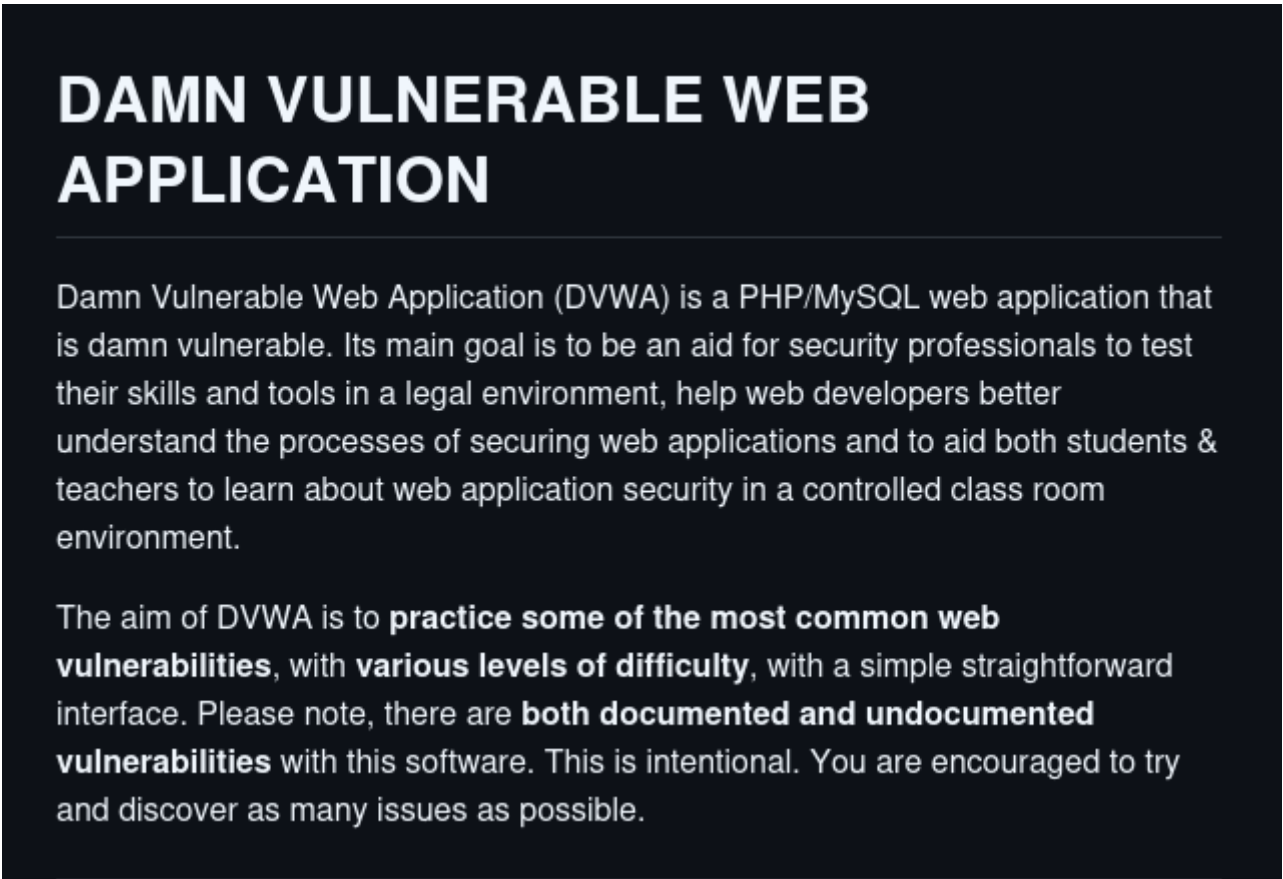


Рис.2(описание DVWA)

Далее приступим к процессу установки программы DVWA. Для этого загрузим и настроим предварительно подготовленный сторонний скрипт (рис.3, рис.4):

```
(root@kdkoyjfman)-[/home/kdkoyjfman]
# wget https://raw.githubusercontent.com/IamCarron/DVWA-Script/main/Install-DVWA.sh
--2024-09-21 21:51:38-- https://raw.githubusercontent.com/IamCarron/DVWA-Script/main/Install-DVWA.sh
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.110.133, 185.199.109.133, 185.199.111.133
, ...
Connecting to raw.githubusercontent.com (raw.githubusercontent.com)[185.199.110.133]:443 ... connected.
HTTP request sent, awaiting response... 200 OK
Length: 16904 (17K) [text/plain]
Saving to: 'Install-DVWA.sh'

Install-DVWA.sh          100%[=====>] 16.51K  --.-KB/s  in 0.004s

2024-09-21 21:51:38 (4.51 MB/s) - 'Install-DVWA.sh' saved [16904/16904]

(root@kdkoyjfman)-[/home/kdkoyjfman]
#
```

Рис.3(описание DVWA)

```
(root@kdkoyjfman)-[/home/kdkoyjfman]
# chmod +x Install-DVWA.sh

(root@kdkoyjfman)-[/home/kdkoyjfman]
# ls -l
total 52
drwxr-xr-x 2 kdkoyjfman kdkoyjfman 4096 Sep 14 21:44 Desktop
drwxr-xr-x 2 kdkoyjfman kdkoyjfman 4096 Sep 14 21:44 Documents
drwxr-xr-x 2 kdkoyjfman kdkoyjfman 4096 Sep 14 21:44 Downloads
-rwxr-xr-x 1 root      root      16904 Sep 21 21:51 Install-DVWA.sh
drwxr-xr-x 2 kdkoyjfman kdkoyjfman 4096 Sep 14 21:44 Music
drwxr-xr-x 2 kdkoyjfman kdkoyjfman 4096 Sep 21 21:50 Pictures
drwxr-xr-x 2 kdkoyjfman kdkoyjfman 4096 Sep 14 21:44 Public
drwxr-xr-x 2 kdkoyjfman kdkoyjfman 4096 Sep 14 21:44 Templates
drwxr-xr-x 2 kdkoyjfman kdkoyjfman 4096 Sep 14 21:44 Videos

(root@kdkoyjfman)-[/home/kdkoyjfman]
#
```

Рис.4(установка права на выполнение с правами root)

Наконец, выполним скрипт и, таким образом, установим программу DVWA (рис.5 - рис.7):

```
(root@kdkoyjman)-[/home/kdkoyjman]
# sudo ./Install-DVWA.sh

DVWA
INSTALLER

Welcome to the DVWA setup!
Script Name: Install-DVWA.sh
Author: IamCarron
Github Repo: https://github.com/IamCarron/DVWA-Script
Installer Version: 1.0.5

Updating repositories...
Get:1 http://mirror.cspacehostings.com/kali kali-rolling InRelease [41.5 kB]
Get:2 http://mirror.cspacehostings.com/kali kali-rolling/main amd64 Packages [20.1 MB]
Get:3 http://mirror.cspacehostings.com/kali kali-rolling/main amd64 Contents (deb) [49.2 MB]
Get:4 http://mirror.cspacehostings.com/kali kali-rolling/contrib amd64 Packages [110 kB]
Get:5 http://mirror.cspacehostings.com/kali kali-rolling/contrib amd64 Contents (deb) [269 kB]
Get:6 http://mirror.cspacehostings.com/kali kali-rolling/non-free amd64 Packages [192 kB]
Get:7 http://mirror.cspacehostings.com/kali kali-rolling/non-free amd64 Contents (deb) [873 kB]
Get:8 http://mirror.cspacehostings.com/kali kali-rolling/non-free-firmware amd64 Packages [33.1 kB]
Get:9 http://mirror.cspacehostings.com/kali kali-rolling/non-free-firmware amd64 Contents (deb) [17.2 kB]
Fetched 70.8 MB in 11s (6461 kB/s)
912 packages can be upgraded. Run 'apt list --upgradable' to see them.
Verifying and installing necessary dependencies...
```

РИС.5(процесс загрузки и установки программы DVWA)

```
Get:1 http://kali.download/kali kali-rolling/main amd64 php8.2-readline amd64 8.2.23-1 [12.5 kB]
Get:2 http://kali.download/kali kali-rolling/main amd64 php8.2-opcache amd64 8.2.23-1 [352 kB]
Get:3 http://kali.download/kali kali-rolling/main amd64 php8.2-mysql amd64 8.2.23-1 [118 kB]
Get:4 http://kali.download/kali kali-rolling/main amd64 libapache2-mod-php8.2 amd64 8.2.23-1 [1689 kB]
Get:5 http://kali.download/kali kali-rolling/main amd64 php8.2-cli amd64 8.2.23-1 [1748 kB]
Get:6 http://kali.download/kali kali-rolling/main amd64 php8.2-common amd64 8.2.23-1 [685 kB]
Get:7 http://kali.download/kali kali-rolling/main amd64 php8.2-gd amd64 8.2.23-1 [29.2 kB]
Get:8 http://http.kali.org/kali kali-rolling/main amd64 php-gd all 2:8.2+93+nmu1 [3776 B]
Get:9 http://kali.download/kali kali-rolling/main amd64 php8.2 all 8.2.23-1 [41.9 kB]
Fetched 4679 kB in 1s (5033 kB/s)
(Reading database ... 395169 files and directories currently installed.)
Preparing to unpack .../0-php8.2-readline_8.2.23-1_amd64.deb ...
Unpacking php8.2-readline (8.2.23-1) over (8.2.21-1+b1) ...
Preparing to unpack .../1-php8.2-opcache_8.2.23-1_amd64.deb ...
Unpacking php8.2-opcache (8.2.23-1) over (8.2.21-1+b1) ...
Preparing to unpack .../2-php8.2-mysql_8.2.23-1_amd64.deb ...
Unpacking php8.2-mysql (8.2.23-1) over (8.2.21-1+b1) ...
Preparing to unpack .../3-libapache2-mod-php8.2_8.2.23-1_amd64.deb ...
Unpacking libapache2-mod-php8.2 (8.2.23-1) over (8.2.21-1+b1) ...
Preparing to unpack .../4-php8.2-cli_8.2.23-1_amd64.deb ...
Unpacking php8.2-cli (8.2.23-1) over (8.2.21-1+b1) ...
Preparing to unpack .../5-php8.2-common_8.2.23-1_amd64.deb ...
Unpacking php8.2-common (8.2.23-1) over (8.2.21-1+b1) ...
Selecting previously unselected package php8.2-gd.
Preparing to unpack .../6-php8.2-gd_8.2.23-1_amd64.deb ...
Unpacking php8.2-gd (8.2.23-1) ...
Selecting previously unselected package php-gd.
Preparing to unpack .../7-php-gd_2%3a8.2+93+nmu1_all.deb ...
Unpacking php-gd (2:8.2+93+nmu1) ...
Preparing to unpack .../8-php8.2_8.2.23-1_all.deb ...
Unpacking php8.2 (8.2.23-1) over (8.2.21-1) ...
Setting up php8.2-common (8.2.23-1) ...
Setting up php8.2-mysql (8.2.23-1) ...
Setting up php8.2-opcache (8.2.23-1) ...
Setting up php8.2-readline (8.2.23-1) ...
Setting up php8.2-gd (8.2.23-1) ...

Creating config file /etc/php/8.2/mods-available/gd.ini with new version
Setting up php-gd (2:8.2+93+nmu1) ...
Setting up php8.2-cli (8.2.23-1) ...
Setting up libapache2-mod-php8.2 (8.2.23-1) ...
libapache2-mod-php8.2: not switching MPM - already enabled
Setting up php8.2 (8.2.23-1) ...
Processing triggers for man-db (2.12.1-2) ...
Processing triggers for kali-menu (2024.3.1) ...
Processing triggers for php8.2-cli (8.2.23-1) ...
Processing triggers for libapache2-mod-php8.2 (8.2.23-1) ...
libapache2-mod-php is installed!
git is installed!
```

РИС.6(процесс загрузки и установки программы DVWA)

```
Creating config file /etc/php/8.2/mods-available/gd.ini with new version
Setting up php-gd (2:8.2+93+nmu1) ...
Setting up php8.2-cli (8.2.23-1) ...
Setting up libapache2-mod-php8.2 (8.2.23-1) ...
libapache2-mod-php8.2: not switching MPM - already enabled
Setting up php8.2 (8.2.23-1) ...
Processing triggers for man-db (2.12.1-2) ...
Processing triggers for kali-menu (2024.3.1) ...
Processing triggers for php8.2-cli (8.2.23-1) ...
Processing triggers for libapache2-mod-php8.2 (8.2.23-1) ...
libapache2-mod-php is installed!
git is installed!
Downloading DVWA from GitHub ...
Cloning into '/var/www/html/DVWA' ...
remote: Enumerating objects: 4784, done.
remote: Counting objects: 100% (334/334), done.
remote: Compressing objects: 100% (187/187), done.
remote: Total 4784 (delta 184), reused 267 (delta 139), pack-reused 4450 (from 1)
Receiving objects: 100% (4784/4784), 2.39 MiB | 5.72 MiB/s, done.
Resolving deltas: 100% (2279/2279), done.
Enabling MariaDB ...
Starting MariaDB ...

Default credentials:
Username: root

Password: [No password just hit Enter]
Enter SQL user:
Enter SQL password (press Enter for no password):
Enter password:
SQL commands executed successfully.
Configuring DVWA ...
Configuring permissions ...
Configuring PHP ...
Enabling Apache ...
Restarting Apache ...
DVWA has been installed successfully. Access http://localhost/DVWA to get started.
```

Рис.7(звершение процесса загрузки и установки программы DVWA)

Заключение

В ходе проделанной лабораторной работы основная цель была достигнута.