Damn Vulnerable Web Application



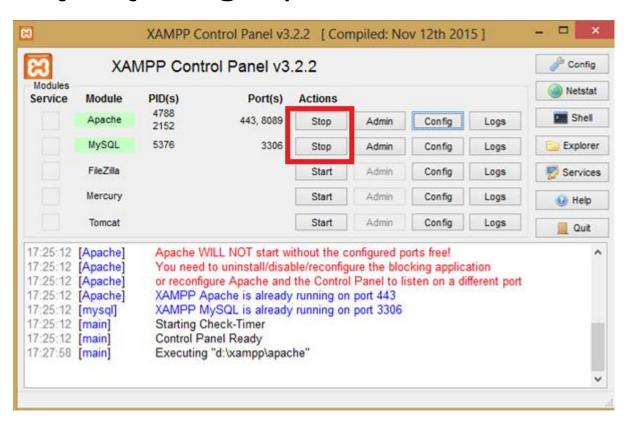
Saugos testavimo įrankis

Reikalinga programinė įranga

- XAMPP
 https://www.apachefriends.org/download.ht
 ml
- Damn Vulnerable Web Application <u>http://www.dvwa.co.uk/</u>

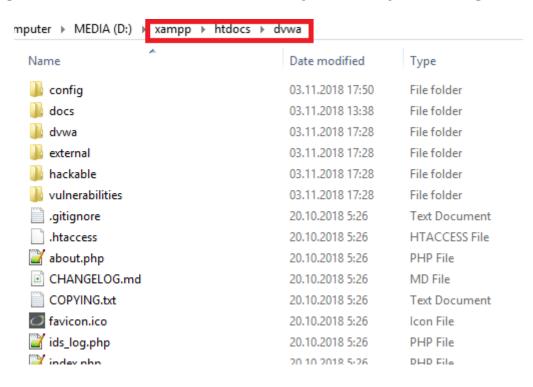
XAMPP paleidimas

Parsisiųsti, įsidiegti, pasileisti:



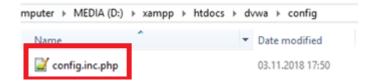
Įdiegimas. Failai (1)

Parsisiųstus dvwa failus patalpinti į XAMPP

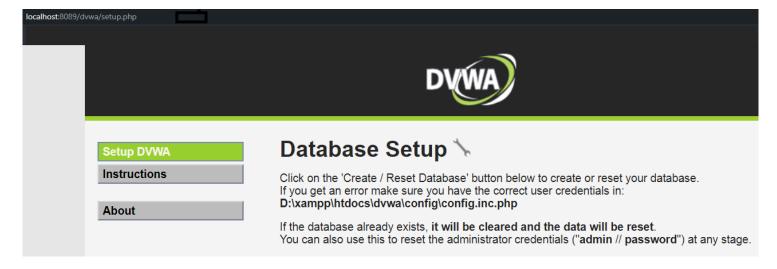


Įdiegimas. Failai (2)

Pervadinti config failą į:



Paleisti aplikaciją:



[diegimas. CAPTCHA (1) [optional]

- CAPTCHA (angl. Completely Automated Public Turing test to tell Computers and Humans Apart) – testas, naudojamas kompiuteriuose ir skirtas nustatyti ar naudotojas yra žmogus, ar ne.
- Ką matome localhost/dvwa:

reCAPTCHA key: Missing

 Atsidarome config failą. Kai užsiregistruosime google (sekanti skaidrė), į public ir private key vietas reikės patalpinti iš google gautus raktus:

```
# ReCAPTCHA settings

# Used for the 'Insecure CAPTCHA' module

# You'll need to generate your own keys at: https://www.google.com/recaptcha/admin/create

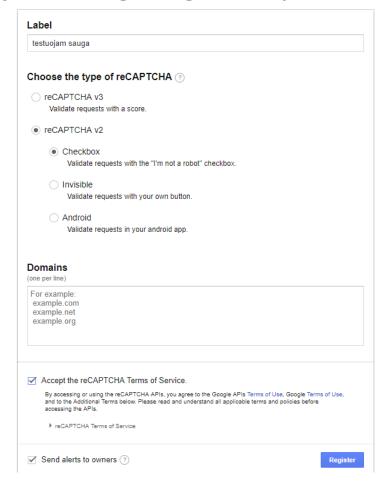
$ DVWA[ 'recaptcha_public_key' ] = '';

$ DVWA[ 'recaptcha_private_key' ] = '';
```

Raktams gauti einame j https://www.google.com/recaptcha/admin

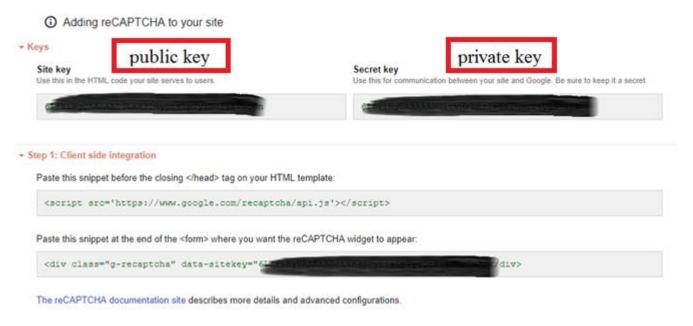
[diegimas. CAPTCHA (2) [optional]

• Registruojamės google captcha raktams gauti:



[Idiegimas. CAPTCHA (3) [optional]

Saugojamės raktus į dvwa config failą:



Atnaujiname localhost/dvwa:

reCAPTCHA key: 6LfYiHgUAAAAADZLXH3DHypiaLpTyzDcFYLTwnOn

[Idiegimas. URL [optional]

Jeigu neįjungta:

If you see disabled on either *allow_url_fopen* or *allow_url_include*, set the following in your php.ini file and restart Apache.

```
allow_url_fopen = On
allow_url_include = On
```

These are only required for the file inclusion labs so unless you want to play with those, you can ignore them.

Įjungiame (neužmirštam rr XAMPP):

To solve the issue, go to:

C:\xampp\php\php.ini

And change:

allow_url_include=Off

To:

allow_url_include=On

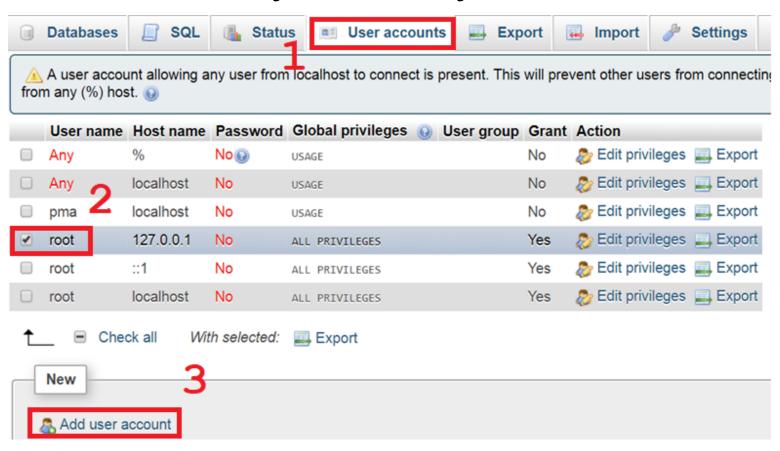
Įdiegimas. db (1)

Sukuriama localhost/phpmyadmin nauja db:



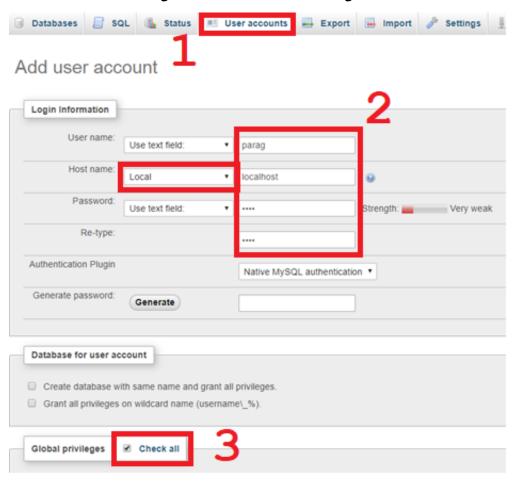
Įdiegimas. db (2)

Sukuriamas naujas vartotojas su root teisėm:



Įdiegimas. db (3)

Sukuriamas naujas vartotojas su root teisėm:



Įdiegimas. db (4)

db config:

localhost/dvwa:

Create / Reset Database

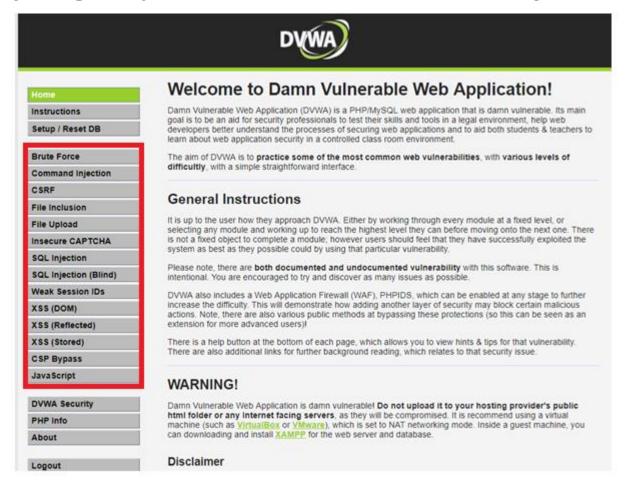
Prisijungimas

• Pasižiūrime prisijungimus prie *dvwa* ir prisijungiame *localhost/dvwa*:



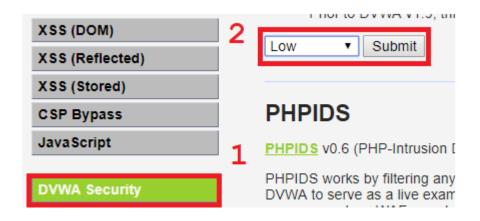
Naudojimas (1)

Prisijungus prie dvwa matome tokį vaizdą:



Naudojimas (2)

Nustatome apsaugos lygį testavimui:



Pasitikriname:

Username: admin Security Level: low PHPIDS: disabled

Veikimo testas

Pabandome atlikti SQL Injection:

Vulnerability: SQL Injection User ID: ' or 1=1 # Submit ID: ' or 1=1 # First name: admin Surname: admin ID: ' or 1=1 # First name: Gordon Surname: Brown ID: ' or 1=1 # First name: Hack Surname: Me ID: ' or 1=1 # First name: Pablo Surname: Picasso ID: ' or 1=1 # First name: Bob Surname: Smith

Testavimo pratybos su dvwa

 Atliekame dvwa sistemos testavimą pagal skaidres 'Pagrindiniai web sistemų pažeidžiamumai ir saugos būdai'

Literatūra

 How to setup DVWA (Damn Vulnerable Web Application) on Windows with XAMPP or WAMP- Installation Guru:

https://www.youtube.com/watch?v=DCRVamy8rE