Индивидуальный проект №4

Основы информационной безопасности

Хрусталев Влад Николаевич

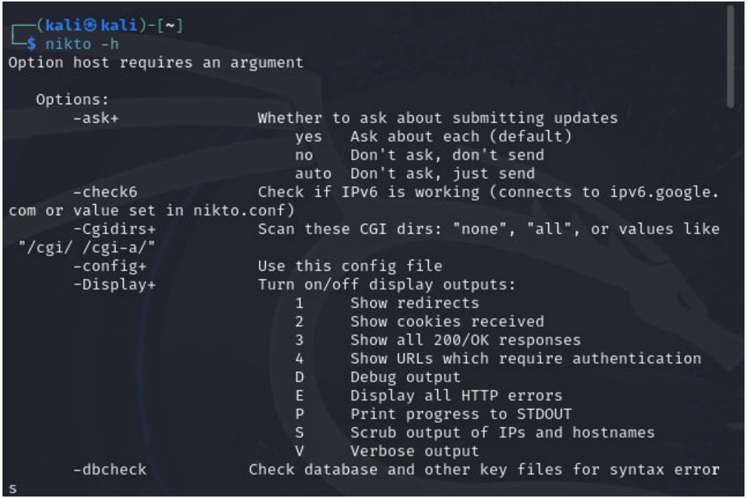
Российский университет дружбы народов им. Патриса Лумумбы, Москва, Россия

Цели и задачи

Знакомство с базовым сканером безопасности nikto.

Выполнение лабораторной работы

Посмотим основную информацию об данном ПО и посмотрим возможные аргументы для команды nikto -h.

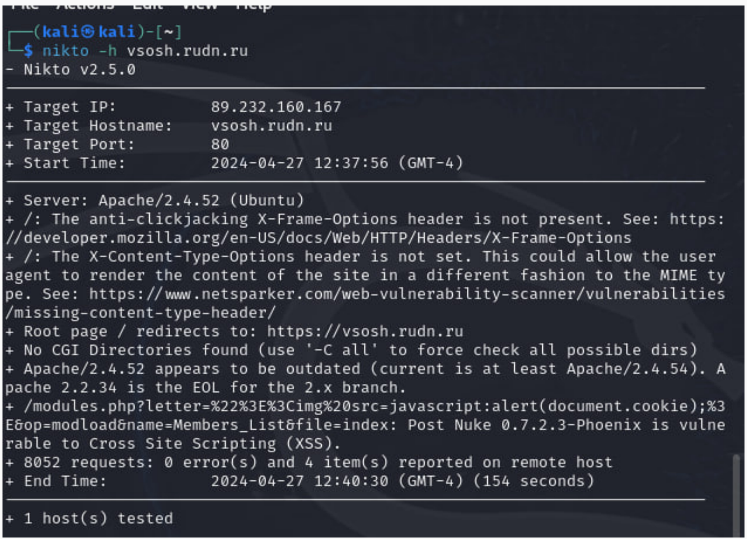


```
┌──(kali㉿kali)-[~]
└─$ nikto -h
Option host requires an argument

   Options:
       -ask+               Whether to ask about submitting updates
                               yes   Ask about each (default)
                               no    Don't ask, don't send
                               auto  Don't ask, just send
       -check6             Check if IPv6 is working (connects to ipv6.google.
com or value set in nikto.conf)
       -Cgidirs+           Scan these CGI dirs: "none", "all", or values like
 "/cgi/ /cgi-a/"
       -config+            Use this config file
       -Display+           Turn on/off display outputs:
                               1     Show redirects
                               2     Show cookies received
                               3     Show all 200/OK responses
                               4     Show URLs which require authentication
                               D     Debug output
                               E     Display all HTTP errors
                               P     Print progress to STDOUT
                               S     Scrub output of IPs and hostnames
                               V     Verbose output
       -dbcheck           Check database and other key files for syntax error
s
```

Рис. 1: Вывод команды “nikto -h”

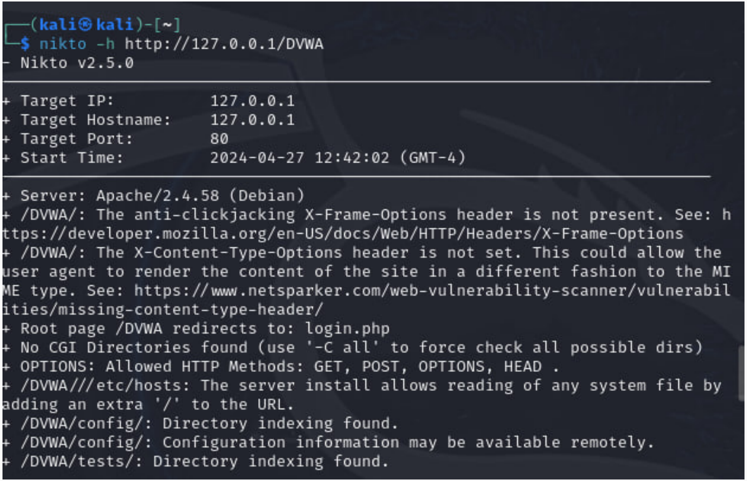
Протестируем его на сайте моей разработки nikto -h vsosh.rudn.ru.



```
┌──(kali㉿kali)-[~]
└─$ nikto -h vsosh.rudn.ru
- Nikto v2.5.0
---------------------------------------------------------------------------
+ Target IP:          89.232.160.167
+ Target Hostname:    vsosh.rudn.ru
+ Target Port:        80
+ Start Time:         2024-04-27 12:37:56 (GMT-4)
---------------------------------------------------------------------------
+ Server: Apache/2.4.52 (Ubuntu)
+ /: The anti-clickjacking X-Frame-Options header is not present. See: https:
//developer.mozilla.org/en-US/docs/Web/HTTP/Headers/X-Frame-Options
+ /: The X-Content-Type-Options header is not set. This could allow the user
agent to render the content of the site in a different fashion to the MIME ty
pe. See: https://www.netsparker.com/web-vulnerability-scanner/vulnerabilities
/missing-content-type-header/
+ Root page / redirects to: https://vsosh.rudn.ru
+ No CGI Directories found (use '-C all' to force check all possible dirs)
+ Apache/2.4.52 appears to be outdated (current is at least Apache/2.4.54). A
pache 2.2.34 is the EOL for the 2.x branch.
+ /modules.php?letter=%22%3E%3Cimg%20src=javascript:alert(document.cookie);%3
E&op=modload&name=Members_List&file=index: Post Nuke 0.7.2.3-Phoenix is vulne
rable to Cross Site Scripting (XSS).
+ 8052 requests: 0 error(s) and 4 item(s) reported on remote host
+ End Time:           2024-04-27 12:40:30 (GMT-4) (154 seconds)
---------------------------------------------------------------------------
+ 1 host(s) tested
```

Рис. 2: Вывод команды “nikto -h vsosh.rudn.ru”

Так же протестируем на поднятом уязвимом сервере nikto -h 127.0.0.1/DVWA.



```
┌──(kali㉿kali)-[~]
└─$ nikto -h http://127.0.0.1/DVWA
- Nikto v2.5.0
---------------------------------------------------------------------------
+ Target IP:          127.0.0.1
+ Target Hostname:    127.0.0.1
+ Target Port:        80
+ Start Time:         2024-04-27 12:42:02 (GMT-4)
---------------------------------------------------------------------------
+ Server: Apache/2.4.58 (Debian)
+ /DVWA/: The anti-clickjacking X-Frame-Options header is not present. See: h
ttps://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/X-Frame-Options
+ /DVWA/: The X-Content-Type-Options header is not set. This could allow the
user agent to render the content of the site in a different fashion to the MI
ME type. See: https://www.netsparker.com/web-vulnerability-scanner/vulnerabil
ities/missing-content-type-header/
+ Root page /DVWA redirects to: login.php
+ No CGI Directories found (use '-C all' to force check all possible dirs)
+ OPTIONS: Allowed HTTP Methods: GET, POST, OPTIONS, HEAD .
+ /DVWA///etc/hosts: The server install allows reading of any system file by
adding an extra '/' to the URL.
+ /DVWA/config/: Directory indexing found.
+ /DVWA/config/: Configuration information may be available remotely.
+ /DVWA/tests/: Directory indexing found.
```

Рис. 3: Вывод команды “nikto -h 127.0.0.1/DVWA”

Вывод

В результате выполнения лабораторной работы на практике опробовали базовым сканером безопасности nikto.