Индивидуальный проект.

Этап 4. Использование nikto

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19 апреля 2024

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Цели и задачи

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- · Познакомиться с утилитой nikto для поиска уязвимостей веб-серверов
- Проверить ее работу на ранее установленном сервере DVWA

Результаты

```
(dastarikov⊛dastarikov)-[~]
sudo service mysql start
(dastarikov⊛dastarikov)-[~]
sudo service apache2 start
(dastarikov⊛dastarikov)-[~]
firefox 127.0.0.1 &
36195
```

Рис. 1: Запус веб-сервера DVWA.



Рис. 2: Проверка работы сервера.

	#actar kon@dast.witers -	- Hita Secret - Mita Brood - Richard - Francisco - Fra
NIKTO(NIKTO(1)
NAME		
	nikto - Scan web server for known vulnerabilities	· Global Variables
SYNOPS	IS will scan the host on ports 80, 88 and 443.	- History & Trivia
	nikto [options]	- Initialization Phase
DESCRI	PTION Examine a web server to find potential problems and security vulnerabilities, including:	Restal Unix
	Server and software misconfigurations	· Integration with Nessus
	Default files and programs	Stor Sunschafe
	Insecure files and programs	Clone this wiki locally
	Outdated servers and programs	
	Nikto is built on LibWhisker (by RFP) and can run on any platform which has a Perl environment. authentication, IDS evasion and more. It can be updated automatically from the command-line, and updated version data back to the maintainers.	

Рис. 3: Man-page nikto.

```
-$ nikto -Display 1234EP -o report.html -Format htm -Tuning 123bde -host 127.0.0.1
  Nikto v2.5.0
 Target TP:
  Target Hostname:
                      127.0.0.1
  Target Port:
  Start Time:
                      2024-04-19 18:21:15 (GMT3)
 Server: Apache/2.4.58 (Debian)
+ /: The anti-clickiacking X-Frame-Options header is not present. See: https://developer.mozilla.org/en-US/docs/Web/HTTP/Head
+ /: The X-Content-Type-Options header is not set. This could allow the user agent to render the content of the site in a dif
ferent fashion to the MIME type. See: https://www.netsparker.com/web-vulnerability-scanner/vulnerabilities/missing-content-ty
+ No CGI Directories found (use '-C all' to force check all possible dirs)
+ /: Server may leak inodes via FTags, header found with file /. inode: 29cd, size: 612b112e93ec6, mtime: gzip, See: bttp://c
ve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2003-1418
+ OPTIONS: Allowed HTTP Methods: OPTIONS, HEAD, GET, POST .
+ /./ - 200/OK Response could be Appending '/./' to a directory may reveal PHP source code.
+ /?mod=node@nid=some_thing@op=view - 200/OK Response could be Sage 1.0b3 may reveal system paths with invalid module names.
+ /?mod=some thing&op=browse - 200/OK Response could be Sage 1.0b3 reveals system paths with invalid module names.
  STATUS: Completed 1000 requests (~29% complete, 12 seconds left); currently in plugin 'Nikto Tests'
  STATUS: Running average: Not enough data.
+ /./ - 200/OK Response could be Appending '/./' to a directory allows indexing
  / - 200/OK Response could be Appears to be a default Apache Tomcat install.
```

Рис. 4: Консольный вывод программы во время работы.

127.0.0.1 / 127.0.	
Target IP	127.0.0.1
Target hostname	127.0.0.1
Target Port	80
HTTP Server	Apache/2.4.58 (Debian)
Site Link (Name)	http://127.0.0.1-80/
Site Link (IP)	http://127.0.0.1.80/
URI	
HTTP Method	GET
Description	/: The anti-clickjacking X-Frame-Options header is not present.
Test Links	http://127.0.0.1:80/
	http://127.0.0.1:80/
References	https://developer.mozilla.org/vin-US/docs/Web/HTTP/Headers/OcFrame-Octions
URI	/
HTTP Method	GET
Description	/: 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 MINE type.
Test Links	MEDITIZE, 0.0.140(MEDITIZE, 0.0.140(
References	https://www.netsparker.com/web-vulnerability-scanner/vulnerabilities/missing-content-type-header/
URI	,
HTTP Method	GET
Description	/: Server may leak inodes via ETags, header found with file /, inode: 29cd, size: 612b112e93ec6, mtime: gzip.
Test Links	MEDITALE, 0, 0, 1800
References	CVE-2003-1418
URI	1
HTTP Method	OPTIONS
Description	OPTIONS: Allowed HTTP Methods: OPTIONS, HEAD, GET, POST.
Test Links	MINITER, 0.0.180(MINITER, 0.0.180(
References	

Рис. 5: Пример найденной уязвимости веб-сервера.



Рис. 6: Итоговый отчет по тестированию веб-сервера.

Start Time	2024-04-19 18:35:45
End Time	2024-04-19 18:36:17
Elapsed Time	32 seconds
Statistics	8074 requests, 0 errors, 15 findings
	Nikto 2.5.0
Software Details	Nikto 2.5.0 -Display 1234EP -o report.html -Format htm -host 127.0.0.1
Software Details CLI Options	
Software Details CLI Options Hosts Tested	
Scan Summary Software Details CLI Options Hosts Tested Start Time End Time	-Display 1234EP -o report.html -Format htm -host 127.0.0.1

Рис. 7: Итоговый отчет по тестированию веб-сервера с большим числом тестов.

Итог

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• В результате работы познакомились с утилитой **nikto** и проверили уязвимости веб-сервера DVWA с разными параметрами теста.