Индивидуальный проект

Этап 4

Хамдамова А. А.

27 апрель 2024

Российский университет дружбы народов, Москва, Россия

Информация

Докладчик

- Хамдамова Айжана Абдукаримовна
- студент Факультета Физико-математических и естественных наук
- Российский университет дружбы народов
- 1032225989@pfur.ru
- https://github.com/AizhanaKhamdamova/study_2023-2024_infosec

Вводная часть

Nikto – это сканер с открытым исходным кодом (GPL) для веб-серверов, он выполняет комплексные тесты в отношении серверов по нескольким направлениям, включая более 6700 потенциально опасных файлов/программ, проверка на устаревшие версии более 1250 серверов и проблемы, специфичные для версий более чем 270 серверов. Сканер также проверяет элементы конфигурации сервера, такие как присутствие нескольких индексных файлов, серверные опции HTTP и пытается определить имя и версии веб-сервера и программного обеспечения.

На официальном сайте изменения замерли на 2.1.5 версии аж в 2012 году. Тем не менее, под руководством автора проект живёт на GitHub'е, пользователи регулярно добавляют в базу данных и плагины изменения для сканирования новых уязвимостей, новых версий и т.д.

Nikto не создавался быть незаметным. Он будет тестировать веб-сервер за самое быстрое возможное время, очевидно, что его активность попадёт в логи веб-сервера и в поле зрение IPS/IDS (систем обнаружения/предотвращения вторжений). Тем не менее, имеется

Цели и задачи

- использовать сканер nikto

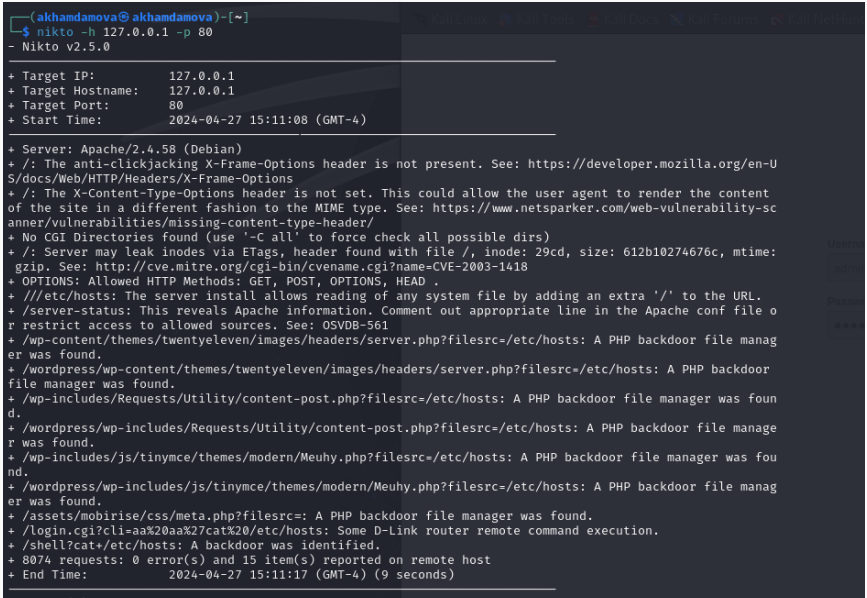
Результаты

- Научилась использовать сканер nikto для тестирования веб-приложений

Настраиваем права доступа

```
┌──(akhamdamova㉿akhamdamova)-[~]
└─$ 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 15:09:12 (GMT-4)
---------------------------------------------------------------------------
+ Server: Apache/2.4.58 (Debian)
+ /DVWA/: The anti-clickjacking X-Frame-Options header is not present. See: https://dev
eloper.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 MIME type. See: https:
//www.netsparker.com/web-vulnerability-scanner/vulnerabilities/missing-content-type-hea
der/
+ 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.
+ /DVWA/tests/: This might be interesting.
+ /DVWA/database/: Directory indexing found.
+ /DVWA/database/: Database directory found.
+ /DVWA/docs/: Directory indexing found.
+ /DVWA/login.php: Admin login page/section found.
+ /DVWA/.git/index: Git Index file may contain directory listing information.
+ /DVWA/.git/HEAD: Git HEAD file found. Full repo details may be present.
+ /DVWA/.git/config: Git config file found. Infos about repo details may be present.
+ /DVWA/.gitignore: .gitignore file found. It is possible to grasp the directory structure.
+ /DVWA/wp-content/themes/twentyeleven/images/headers/server.php?filesrc=/etc/hosts: A PHP backdoor file
manager was found.
+ /DVWA/wordpress/wp-content/themes/twentyeleven/images/headers/server.php?filesrc=/etc/hosts: A PHP back
door file manager was found.
+ /DVWA/wp-includes/Requests/Utility/content-post.php?filesrc=/etc/hosts: A PHP backdoor file manager was
 found.
+ /DVWA/wordpress/wp-includes/Requests/Utility/content-post.php?filesrc=/etc/hosts: A PHP backdoor file m
anager was found.
+ /DVWA/wp-includes/js/tinymce/themes/modern/Meuhy.php?filesrc=/etc/hosts: A PHP backdoor file manager wa
s found.
+ /DVWA/wordpress/wp-includes/js/tinymce/themes/modern/Meuhy.php?filesrc=/etc/hosts: A PHP backdoor file
manager was found.
+ /DVWA/assets/mobirise/css/meta.php?filesrc=: A PHP backdoor file manager was found.
+ /DVWA/login.cgi?cli=aa%20aa%27cat%20/etc/hosts: Some D-Link router remote command execution.
+ /DVWA/shell?cat+/etc/hosts: A backdoor was identified.
+ /DVWA/.dockerignore: .dockerignore file found. It may be possible to grasp the directory structure and
learn more about the site.
+ 8074 requests: 0 error(s) and 26 item(s) reported on remote host
+ End Time:           2024-04-27 15:09:22 (GMT-4) (10 seconds)
```

Ход работы


┌──(akhamdamova㉿akhamdamova)-[~]
└─$ nikto -h 127.0.0.1 -p 80
- Nikto v2.5.0

+ Target IP: 127.0.0.1
+ Target Hostname: 127.0.0.1
+ Target Port: 80
+ Start Time: 2024-04-27 15:11:08 (GMT-4)

+ Server: Apache/2.4.58 (Debian)
+ /: 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 type. See: https://www.netsparker.com/web-vulnerability-scanner/vulnerabilities/missing-content-type-header/
+ No CGI Directories found (use '-C all' to force check all possible dirs)
+ /: Server may leak inodes via ETags, header found with file /, inode: 29cd, size: 612b10274676c, mtime: gzip. See: http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2003-1418
+ OPTIONS: Allowed HTTP Methods: GET, POST, OPTIONS, HEAD .
+ ///etc/hosts: The server install allows reading of any system file by adding an extra '/' to the URL.
+ /server-status: This reveals Apache information. Comment out appropriate line in the Apache conf file or restrict access to allowed sources. See: OSVDB-561
+ /wp-content/themes/twentyeleven/images/headers/server.php?filesrc=/etc/hosts: A PHP backdoor file manager was found.
+ /wordpress/wp-content/themes/twentyeleven/images/headers/server.php?filesrc=/etc/hosts: A PHP backdoor file manager was found.
+ /wp-includes/Requests/Utility/content-post.php?filesrc=/etc/hosts: A PHP backdoor file manager was found.
+ /wordpress/wp-includes/Requests/Utility/content-post.php?filesrc=/etc/hosts: A PHP backdoor file manager was found.
+ /wp-includes/js/tinymce/themes/modern/Meuhy.php?filesrc=/etc/hosts: A PHP backdoor file manager was found.
+ /wordpress/wp-includes/js/tinymce/themes/modern/Meuhy.php?filesrc=/etc/hosts: A PHP backdoor file manager was found.
+ /assets/mobirise/css/meta.php?filesrc=: A PHP backdoor file manager was found.
+ /login.cgi?cli=aa%20aa%27cat%20/etc/hosts: Some D-Link router remote command execution.
+ /shell?cat+/etc/hosts: A backdoor was identified.
+ 8074 requests: 0 error(s) and 15 item(s) reported on remote host
+ End Time: 2024-04-27 15:11:17 (GMT-4) (9 seconds)
