# Индивидуальный проект этап №4

Основы информационной безопасности

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### Цель работы

Использование nikto nikto — базовый сканер безопасности веб-сервера. Он сканирует и обнаруживает уязвимости в веб-приложениях, обычно вызванные неправильной конфигурацией на самом сервере, файлами, установленными по умолчанию, и небезопасными файлами, а также устаревшими серверными приложениями.

Выполнение лабораторной работы

## Проверка факта установки nikto

```
Option host requires an argument
       -ask+
                          Whether to ask about submitting updates
                               ves Ask about each (default)
                               no Don't ask, don't send
                               auto Don't ask, just send
                          Check if IPv6 is working (connects to ipv6.google.com or value set in nikto.conf)
       -check6
                          Scan these CGI dirs: "none", "all", or values like "/cgi/ /cgi-a/"
                          Use this config file
       -Display+
                          Turn on/off display outputs:
                                     Show redirects
                                     Show cookies received
                                     Show all 200/OK responses
                                     Show URLs which require authentication
                                     Debug output
                                    Display all HTTP errors
```

Рис. 1: Параметры nikto

Username: admin

Security Level: low

Locale: en

SQLi DB: mysql

Рис. 2: Меняю защиту на слабую

### Запуск nikto

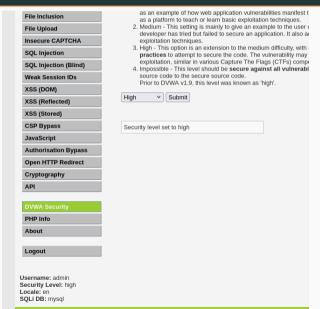
Рис. 3: Поиск уязвимостей DVWA

#### Результат работы

```
improminent-type-imasory
No GG Directories Found (use '-C all' to force check all possible dirs)
//S erver may leak inodes via ETags, header found with file /, inode: 29cf, size: 63ec0152ac079, ntime: gzip. See: http://cve.mitre.org/cgi-bin/cvename.cgi?name:CVE-2003-1418
ortfloor.in
 /mp-includes/Requests/Utility/content-post.php?filesrc:/etc/hosts: A PHP backdoor file manager was found.
/wordpress/mp-includes/Requests/Utility/content-post.php?filesrc:/etc/hosts: A PHP backdoor file manager was found.
/wordpress/mp-includes/Requests/Utility/content-post.php?filesrc:/etc/hosts: A PHP backdoor file manager was found.
/wp-includes/js/ti/pn/etc/these/moder/Mehumy.php?filesrc/etc/hosts: A PHP backdoor file manager was found.
 /mp.Incloses/Syllinyncy/Inemsylmodern/Memby.pmp?Titesrcy/etc/Dotts: A PMP DatchGoor File manager was found. 
/wordpress/mp.incloses/Syllinynec/Inemsyndern/Memby.pmp?Titesrcy/etc/Dotts: A PMP DatchGoor File manager was found. 
/assets/mobilise/css/mota.php?filesrc=: A PMP DatchGoor File manager was found. 
/ugln.cg?file.aan2baaNZFaxIIVE.matkVest/Dotts: Some O-Link router remote command execution.
```

Рис. 4: Список уязвимостей

### Изменение настроек безопасности DVWA на высокие



#### Результат работы

```
sypayliuchenkoy⊕ sypayliuchenkoy)-[~]
  $ nikto -h http://127.0.0.1/dywa
+ Target IP:
+ Target Hostname:
                     2025-09-14 09:51:58 (GMT-4)
+ Server: Apache/2.4.63 (Debian)
+ /dywa/: The anti-clickiacking X-Frame-Options header is not present. See: https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/X-Frame-Options
+ /dywa/: 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
/missing-content-type-header/
+ Root page /dywa 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 .
+ /dywa///etc/hosts: The server install allows reading of any system file by adding an extra '/' to the URL.
+ /dywa/config/: Directory indexing found.
+ /dywa/config/: Configuration information may be available remotely.
+ /dywa/tests/: Directory indexing found.
+ /dvwa/tests/: This might be interesting.
+ /dywa/database/: Directory indexing found.
+ /dywa/database/: Database directory found.
+ /dvwa/docs/: Directory indexing found.
+ /dywa/login.php: Admin login page/section found.
+ /dywa/.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.
+ /dywa/.gitignore: .gitignore file found. It is possible to grasp the directory structure.
+ /dywa/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 backdoor file manager was found.
+ /dywa/wordpress/wp-includes/Requests/Utility/content-post.php?filesrc=/etc/hosts: A PMP backdoor file manager was found.
+ /dvwa/wp-includes/js/tinymce/themes/modern/Meuhy.php?filesrc=/etc/hosts: A PHP backdoor file manager was found.
+ /dywa/wordpress/wp-includes/is/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
+ /dwwa/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.
+ /dywa/.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
                     2025-09-14 09:53:38 (GMT-4) (100 seconds)
     ......
     Portions of the server's headers (Apache/2.4.63) are not in
     the Nikto 2.5.0 database or are newer than the known string. Would you like
     to submit this information (*no server specific data*) to CIRT.net
     for a Nikto update (or you may email to sullo@cirt.net) (y/n)? n
```



В этом этапе я научился пользоваться nikto вместе с dvwa для нахождения уязвимостей с примерами из dvwa.