## **Cyber Security Intern**

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## **Nikto**

Nikto, also known as Nikto2, is an open source (GPL) and free-to-use web server scanner which performs vulnerability scanning against web servers for multiple items including dangerous files and programs, and checks for outdated versions of web server software. It also checks for server configuration errors and any possible vulnerabilities they might have introduced.

The Nikto vulnerability scanner project is a fast-moving effort, frequently updated with the latest known vulnerabilities. This allows you to scan your web servers with confidence as you search for any possible issues.

Nikto is a perl based security testing tool and this means it will run on most operating systems with the necessary Perl interpreter installed. We will guide you through using it on Ubuntu Linux, basically because it is our operating system of choice and it just works. Perl comes already installed in Ubuntu. So it is a matter of downloading the tool, unpacking it and running the command with the necessary options. For Windows users running Nikto will involve installing a perl environment (activestate perl) or loading up a Linux virtual machine using Virtualbox or VMware.

## Features: -

- Nikto is free to use, open source and frequently updated.
- It can be used to scan any web server (Apache, Nginx, Lighttpd, Litespeed, etc.)
- It is used to scans against 6,700+ known vulnerabilities and version checks for 1,250+ web servers (and growing)
- It scans for configuration-related issues such as open index directories.
- It is used for SSL certificate scanning.
- It has ability to scan multiple ports on a server with multiple web servers running.
- It is also capable to scan through a proxy and with http authentication.
- It has ability to specify maximum scan time, exclude certain types of scans and unusual report headers seen as well.

## Commands: -

 Nikto is a pre installed tool in Linux but you can also clone it from the github.

```
(root@kali)-[/home/kali/nikto/program]

# git clone https://github.com/sullo/nikto.git
Cloning into 'nikto' ...
remote: Enumerating objects: 7286, done.
remote: Counting objects: 100% (1307/1307), done.
remote: Compressing objects: 100% (458/458), done.
remote: Total 7286 (delta 979), reused 1119 (delta 848), pack-reused 5979
Receiving objects: 100% (7286/7286), 4.61 MiB | 2.82 MiB/s, done.
Resolving deltas: 100% (5288/5288), done.
```

2. Now move towards nikto/program/ to use the tool.

```
____(root⊗kali)-[/home/kali/nikto/program]
_# cd nikto/program
```

3. If you want to have a basic scan use flag h.

```
| Captain | - | Amount | Amoun
```

4. We can use -ssl flag to have a ssl certificate scan.

5. Here we use -port in order to have scan of a particular port.

```
(root@kali)-[/home/.../nikto/program/nikto/program]
    nikto -h google.com -port 8080
- Nikto v2.5.0

+ Multiple IPs found: 142.250.194.110, 2404:6800:4002:821::200e
+ 0 host(s) tested
```