2018

DNS Spoofing Application

USER MANUAL

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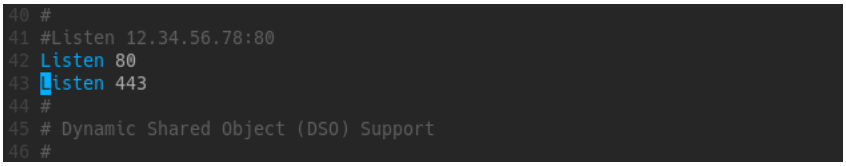
Requirements

In order to run this application, the machine need to have the following requirements:

- Python 2.x.x (prefer Python 2.7.10)
- Root privilege to run the script
- The machine that DNS requests are directed to has HTTPD service running.

Configuration

Go to `/etc/httpd/conf` and open the file `httpd.conf`. We will look for the line that is `Listen 80` and add one more line `Listen 443` as the following:



After that, we restart httpd.service:

```
root$ systemctl restart httpd
```

Usage

First of all, scapy module is required in order to run the application. To install scapy, type the following command:

```
root$ pip install scapy
```

In order to run the application, victim IP address and router IP address are required. Here is the application usage:

```
python DNSSpoofing.py -v VICTIM [-l LOCAL] -r ROUTER [-re
REDIRECT]
```

Required arguments:

`-v <victimIP>, --victim <victimIP>`	IP address of the victim
`-r <routerIP>, --router <routerIP>`	IP address of the router

Providing one of the following arguments:

`-l <localIP>, --local <localIP>`	IP address of the local machine. Specify this one if forwarding DNS requests to the attacker machine.
`-re <redirectedIP>, --redirect <redirectedIP>`	IP address of where victim's DNS requests will be directed to.