EyeWitness

https://github.com/RedSiege/EyeWitness

Written by Chris Traynor || ridgebackinfosec.com

The Basics

Offensive Purpose:

- Efficient way to gather info about web services & their hosting infrastructure
- Automates taking screenshots for quick & easy review

Limitations:

- Only works on HTTP services
- Can only capture a screenshot of the landing/login page; will NOT do spidering

Key Features:

- Output in multiple formats (i.e. - HTML & text)
- IDs web server software on target systems
- Can use Nmap & Nessus output files
- Ability to resume from the last scan point if it gets interrupted

Installation Methods

Git & GitHub

This will ALWAYS have the latest and greatest features but requires a few additional setup steps. You might also run into Python dependency issues that need to be worked around depending on your OS.

```
git clone https://github.com/RedSiege/EyeWitness
cd EyeWitness/Python/setup
sudo ./setup.sh
cd ..
python EyeWitness.py [options]
```

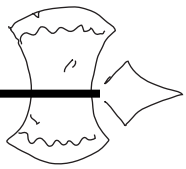
Advanced Package Tool (APT)

APT can lag in new feature/fix releases compared to the direct repository method.

```
sudo apt install eyewitness -y

eyewitness [options]
```

Basic Execution



Input Options:

`-f Filename`	Line-separated file containing URLs to capture
`-x Filename.xml`	Nmap XML or .Nessus file
`--single Single URL`	Single URL/Host to capture
`--no-dns`	Skip DNS resolution when connecting to websites

Tips

- Always set a custom `--user-agent` value to blend in with traffic.
- The `--resume` option is useful if your execution gets interrupted.
- EyeWitness accepts Nmap & Nessus XML output files, and it'll automatically parse them for targets.
- Always see if the report contains any possible "default credentials" alongside the screenshots.
- The report can sometimes reference white papers for potentially vulnerable targets.

Key Customization Options

`--user-agent User Agent`	User Agent to use for all requests
`--proxy-ip 127.0.0.1`	IP of web proxy to go through
`--proxy-port 8080`	Port of web proxy to go through
`--proxy-type socks5`	Proxy type (socks5/http)
`--resolve`	Resolve IP/Hostname for targets
`--prepend-https`	Prepend http:// and https:// to URLs without either
`--cookies key1=value1,key2=value2`	Additional cookies to add to the request
`--resume ew.db`	Path to db file if you want to resume
`--max-retries N`	Max retries on timeouts
`-d Directory Name`	Directory name for report output
`--threads # of Threads`	Number of threads to use while using file-based input
`--results Hosts Per Page`	Number of hosts per page of report

FURTHER LEARNING

Check out these resources to learn more:

https://ridgebackinfosec.com/recordings/
https://www.blackhillsinfosec.com/six-tips-for-managing-penetration-test-data/