

Tools that Attackers use:

Nmap

```

GET /nice%20ports%2C/Tri%6E%20txt%20ebak HTTP/1.0" 200 1924 "-" "-"
"POST / HTTP/1.1" 200 1924 "-" "Mozilla/5.0 (compatible; Nmap Scripting Engine; https://nmap.org/book/nse.html)"
"PROPFIND / HTTP/1.1" 200 1924 "-" "Mozilla/5.0 (compatible; Nmap Scripting Engine; https://nmap.org/book/nse.html)"
"PROPFIND / HTTP/1.1" 200 1924 "-" "Mozilla/5.0 (compatible; Nmap Scripting Engine; https://nmap.org/book/nse.html)"
"GET /.git/HEAD HTTP/1.1" 200 1924 "-" "Mozilla/5.0 (compatible; Nmap Scripting Engine; https://nmap.org/book/nse.html)"
"POST /sdk HTTP/1.1" 200 1924 "-" "Mozilla/5.0 (compatible; Nmap Scripting Engine; https://nmap.org/book/nse.html)"
"GET /nmaplowercheck1618132114 HTTP/1.1" 200 1924 "-" "Mozilla/5.0 (compatible; Nmap Scripting Engine; https://nmap.org/book/nse.html)"
"PROPFIND / HTTP/1.1" 200 1924 "-" "Mozilla/5.0 (compatible; Nmap Scripting Engine; https://nmap.org/book/nse.html)"
"GET /NmapUpperCheck1618132114 HTTP/1.1" 200 1924 "-" "Mozilla/5.0 (compatible; Nmap Scripting Engine; https://nmap.org/book/nse.html)"
"GET /Nmap/folder/check1618132114 HTTP/1.1" 200 1924 "-" "Mozilla/5.0 (compatible; Nmap Scripting Engine; https://nmap.org/book/nse.html)"
"POST / HTTP/1.1" 200 1924 "-" "Mozilla/5.0 (compatible; Nmap Scripting Engine; https://nmap.org/book/nse.html)"
"GET /rest/admin/application-configuration HTTP/1.1" 200 - "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /rest/admin/application-version HTTP/1.1" 200 20 "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /rest/admin/application-configuration HTTP/1.1" 304 - "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /rest/admin/application-version HTTP/1.1" 304 - "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /rest/admin/application-configuration HTTP/1.1" 304 - "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /rest/admin/application-configuration HTTP/1.1" 200 - "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /rest/languages HTTP/1.1" 200 - "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /api/Challenges/?name=Score%20Board HTTP/1.1" 200 598 "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /api/Challenges/?name=Score%20Board HTTP/1.1" 200 598 "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /rest/products/search?q= HTTP/1.1" 200 - "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /api/Quantities/ HTTP/1.1" 200 - "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"PUT /rest/continue-code/apply/68RyRZygujly2qMBPMQmEK8knv0P9iXp07Le4p0LRxXzbao3DV5J69NBxR HTTP/1.1" 200 50 "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /rest/user/whoami HTTP/1.1" 200 11 "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /rest/products/1/reviews HTTP/1.1" 200 172 "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /rest/products/1/reviews HTTP/1.1" 200 172 "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /rest/products/1/reviews HTTP/1.1" 304 - "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /rest/user/whoami HTTP/1.1" 304 - "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /rest/products/24/reviews HTTP/1.1" 200 30 "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /rest/products/24/reviews HTTP/1.1" 200 30 "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /rest/user/whoami HTTP/1.1" 304 - "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /rest/products/6/reviews HTTP/1.1" 200 170 "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /rest/products/6/reviews HTTP/1.1" 200 170 "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /rest/products/6/reviews HTTP/1.1" 304 - "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /rest/user/whoami HTTP/1.1" 304 - "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /rest/products/42/reviews HTTP/1.1" 200 413 "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /rest/products/42/reviews HTTP/1.1" 200 413 "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /rest/products/42/reviews HTTP/1.1" 304 - "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /rest/user/whoami HTTP/1.1" 304 - "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /rest/products/3/reviews HTTP/1.1" 200 185 "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"
"GET /rest/products/3/reviews HTTP/1.1" 200 185 "http://192.168.10.4/" "Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0"

```

Hydra

[illegible]

Curl

[illegible]

SQLMap

[illegible]

Foxbuster

```
ff:192.168.10.5 - - [11/Apr/2021:09:34:33 +0000] "GET /administartion HTTP/1.1" 200 1924 "-" "feroxbuster/2.2.1"
ff:192.168.10.5 - - [11/Apr/2021:09:34:33 +0000] "GET /login HTTP/1.1" 200 1924 "-" "feroxbuster/2.2.1"
ff:192.168.10.5 - - [11/Apr/2021:09:34:33 +0000] "GET /admin HTTP/1.1" 200 1924 "-" "feroxbuster/2.2.1"
ff:192.168.10.5 - - [11/Apr/2021:09:34:33 +0000] "GET /backup HTTP/1.1" 200 1924 "-" "feroxbuster/2.2.1"
ff:192.168.10.5 - - [11/Apr/2021:09:34:33 +0000] "GET /promotion HTTP/1.1" 200 6586 "-" "feroxbuster/2.2.1"
ff:192.168.10.5 - - [11/Apr/2021:09:34:33 +0000] "GET /ftp HTTP/1.1" 200 4852 "-" "feroxbuster/2.2.1"
ff:192.168.10.5 - - [11/Apr/2021:09:34:40 +0000] "GET /ftp/www-data.bak HTTP/1.1" 403 300 "-" "Mozilla/5.0 (X11; Linux
```

Vulnerable endpoint to Brute-Force

- `/rest/user/login`

Vulnerable endpoint to SQL-Injection

- `/rest/products/search`

Parameter that was used to SQL Injection

- `"q"`

Endpoint that attacker try to use to retrieve files

- `/ftp`

Section of website that attacker use

- product reviews

Timestamp of successful login

- `11/Apr/2021:09:16:31 +0000`

Information that attacker was able to retrieve from vulnerable endpoint

- email
- password

File that try to download

- `coupons_2013.md.bak`
- `www-data.bak`

Service and Account that were used to retrieve files

- ftp
- anonymous

Service and username that were used to gain shell access to server

- ssh
- www-data