

# Suraj S. Kaduvetti M.Sc.ComputerScience F015 Practical 2

```
kali@kali: ~  
File Actions Edit View Help  
$ nikto --Version  
Nikto Versions  
File Version Last Mod  
Nikto main 2.1.6  
LibWhisker 2.5  
db_404_strings 2.003  
db_content_search 2.000  
db_dir_traversal 1.0  
db_dir_traversal 2.1.6  
db_domino 2.1.6  
db_drupal 1.00  
db_embedded 2.004  
db_favicon 2.010  
db_headers 2.008  
db_httptoptions 2.002  
db_multiple_index 2.005  
db_outdated 2.017  
db_parked_strings 2.001  
db_realms 2.002  
db_server_msgs 2.006  
db_tests 2.021  
db_variables 2.004  
nikto_apache_expect_xss.plugin 2.04  
nikto_apacheusers.plugin 2.06  
nikto_auth.plugin 2.04  
nikto_cgi.plugin 2.06  
nikto_clientaccesspolicy.plugin 1.00  
nikto_content_search.plugin 2.05  
nikto_cookies.plugin 2.05  
nikto_core.plugin 2.1.5  
nikto_dictionary_attack.plugin 2.04  
nikto_dir_traversal.plugin 2.1.6  
nikto_dishwasher.plugin 2.20  
nikto_docker_registry.plugin 2.20  
nikto_domino.plugin 2.1.6  
nikto_drupal.plugin 1.00  
nikto_embedded.plugin 2.07  
nikto_favicon.plugin 2.09  
nikto_fileops.plugin 1.00  
$ nikto  
Scan web server for known vulnerabilities.  
Help This help info  
host+ Target host/URL  
id+ Host authentic  
ipv4 IPv4 only  
ipv6 IPv6 only  
key+ Client certifi  
list-plugins List all avail  
maxtime+ Maximum testin  
mutate+ Guess addition  
1 Test  
2 Gu  
3 Enu  
4 Enu  
5 Att  
6 Att  
mutate-options Provide inform  
noninteractive Disables inter  
nolookup Disables DNS l  
nossl Disables the o  
noslash Strip trailing  
no404 Disables nikto  
Option Over-ride on c  
output+ Write output to  
Pause+ Pause between  
Plugins+ List of plugin  
port+ Port to use (d  
RSAcert+ Client certifi  
root+ Prepend root to  
Save Save positive
```

```
kali@kali: ~  
File Actions Edit View Help  
$ nikto --dbcheck  
Syntax Check: /var/lib/nikto/databases/db_variables  
38 entries  
Syntax Check: /var/lib/nikto/databases/db_favicon  
358 entries  
Syntax Check: /var/lib/nikto/databases/db_parked_strings  
8 entries  
Syntax Check: /var/lib/nikto/databases/db_dictionary  
1825 entries  
Syntax Check: /var/lib/nikto/databases/db_outdated  
1254 entries  
Syntax Check: /var/lib/nikto/databases/db_404_strings  
39 entries  
Syntax Check: /var/lib/nikto/databases/db_content_search  
19 entries  
Syntax Check: /var/lib/nikto/databases/db_tests  
6897 entries  
Syntax Check: /var/lib/nikto/databases/db_embedded  
16 entries  
Syntax Check: /var/lib/nikto/databases/db_multiple_index  
36 entries  
Syntax Check: /var/lib/nikto/databases/db_httptoptions  
12 entries  
Syntax Check: /var/lib/nikto/databases/db_realms  
170 entries  
Syntax Check: /var/lib/nikto/databases/db_headers  
98 entries  
Syntax Check: /var/lib/nikto/databases/db_drupal  
6244 entries  
Syntax Check: /var/lib/nikto/databases/db_domino  
274 entries  
Syntax Check: /var/lib/nikto/databases/db_dir_traversal  
1 entries  
Syntax Check: /var/lib/nikto/databases/db_server_msgs  
261 entries  
Checking plugins for duplicate test IDs  
Some (probably) open IDs: 000029, 000137, 000326, 000407, 000427, 000429, 000430  
$ nikto  
Scan web server for known vulnerabilities.  
Options:  
-ask+ Whether to ask  
yes Ask  
no Don  
auto Don  
check6 Check if IPv6  
CGIfirst Scan these CGI  
config+ Use this confi  
Display+ Turn on/off d  
1 Show  
2 Show  
3 Show  
4 Show  
0 Debu  
E Disp  
P Pri  
S Scr  
V Veri  
dbcheck Check database  
evasion+ Encoding techn  
1 Rand  
2 Dir  
3 Pres  
4 Prep  
5 Fake  
6 TAB  
7 Char  
8 Use  
A Use  
B Use  
-followredirects Follow 3xx red
```

# Suraj S. Kaduvetti M.Sc.ComputerScience F015 Practical 2

```
(kali@kali)~$ nikto -h facebook.com -Display 1
- Nikto v2.1.6

+ Target IP: 157.240.16.35
+ Target Hostname: facebook.com
+ Target Port: 80
+ Start Time: 2024-07-27 01:07:32 (GMT-4)

+ Server: proxygen-bolt
+ The anti-clickjacking X-Frame-Options header is not present.
+ The X-XSS-Protection header is not defined. This header can hint to the user agent to protect against some forms of XSS
+ 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 the M
IME type
+ Root page / redirects to: https://facebook.com/
+ No CGI Directories found (use '-C all' to force check all possible dirs)
+ ERROR: Error limit (20) reached for host, giving up. Last error: error reading HTTP response
+ Scan terminated: 20 error(s) and 3 item(s) reported on remote host
+ End Time: 2024-07-27 01:07:39 (GMT-4) (7 seconds)

+ 1 host(s) tested
```

```
(kali@kali)~$ nikto -h facebook.com
- Nikto v2.1.6

+ Target IP: 157.240.16.35
+ Target Hostname: facebook.com
+ Target Port: 80
+ Start Time: 2024-07-27 01:08:13 (GMT-4)

+ Server: proxygen-bolt
+ The anti-clickjacking X-Frame-Options header is not present.
+ The X-XSS-Protection header is not defined. This header can hint to the user agent to protect against some forms of XSS
+ 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 the M
IME type
+ Root page / redirects to: https://facebook.com/
+ No CGI Directories found (use '-C all' to force check all possible dirs)
+ ERROR: Error limit (20) reached for host, giving up. Last error: error reading HTTP response
+ Scan terminated: 20 error(s) and 3 item(s) reported on remote host
+ End Time: 2024-07-27 01:08:23 (GMT-4) (10 seconds)

+ 1 host(s) tested
```

```
kali@kali:~$ nikto -h facebook.com -ssl
- Nikto v2.1.6

+ Target IP: 163.70.143.35
+ Target Hostname: facebook.com
+ Target Port: 443

+ SSL Info: Subject: /C=US/ST=California/L=Menlo Park/O=Meta Platforms, Inc./CN=*.facebook.com
Ciphers: TLS_CHACHA20_POLY1305_SHA256
Issuer: /C=US/O=DigiCert Inc/OU=www.digicert.com/CN=DigiCert SHA2 High Assurance Server CA
+ Start Time: 2024-07-27 01:09:33 (GMT-4)

+ Server: No banner retrieved
+ The anti-clickjacking X-Frame-Options header is not present.
+ The X-XSS-Protection header is not defined. This header can hint to the user agent to protect against some forms of XSS
+ Uncommon header 'x-fb-connection-quality' found, with contents: EXCELLENT; q=0.9, rtt=7, rtx=0, c=10, mss=1392, tbw=3402, tp=-1, tpl=-1, uplat=143, ullat=0
+ Uncommon header 'x-fb-server-load' found, with contents: 46
+ Uncommon header 'alt-svc' found, with contents: h3=":443"; ma=86400
+ Uncommon header 'x-fb-debug' found, with contents: 0ZSO2bngM9yIG7L8qNe+7HFRLLCZ7SfpuJahkzk/d0HdZvRE/wFVxOnpKKqhzcwp7Yf8ZqEyaklxikwOPUGGZQ==
+ The site uses SSL and Expect-CT header is not present.
+ 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 the M
IME type
+ Root page / redirects to: https://www.facebook.com/
+ No CGI Directories found (use '-C all' to force check all possible dirs)
+ X-XSS-Protection header has been set to disable XSS Protection. There is unlikely to be a good reason for this.
+ Uncommon header 'document-policy' found, with contents: force-load-at-top
+ Uncommon header 'cross-origin-opener-policy' found, with contents: same-origin-allow-popups;report-to="coop_report"
+ Uncommon header 'report-to' found, with contents: {"max_age":2592000,"endpoints":[{"url":"https://www.facebook.com/browser_reporting/coop/?minimize=0"}],"group":"coop_report","include_subdomains":true}, {"max_age":21600,"endpoints":[{"url":"https://www.facebook.com/ajax/browser_error_reports/"}],"group":"permissions_policy"}
+ Uncommon header 'cross-origin-resource-policy' found, with contents: same-origin
+ Uncommon header 'permissions-policy' found, with contents: accelerometer=(self), attribution-reporting=(self), autoplay=(self), battery=(self), bluetooth=(self), browsing-topics=(self), camera=(self), ch-device-memory=(self), ch-downlink=(self), ch-dpr=(self), ch-ect=(self), ch-rtt=(self), ch-save-data=(self), ch-ua-arch=(self), ch-ua-bitness=(self), ch-viewport-height=(self), ch-viewport-width=(self), ch-width=(self), clipboard-read=(self), clipboard-write=(self), compute-pressure=(self), display-capture=(self), encrypted-media=(self), fullscreen=(self), gamepad=(self), geolocation=(self), gyroscope=(self), hid=(self), idle-detection=(self), interest-cohort=(self), keyboard-map=(self), local-fonts=(self), magnetometer=(self), microphone=(self), midi=(self), otp-credentials=(self), payment=(self), picture-in-picture=(self), private-state-token-issuance=(self), publickey-credentials-get=(self), screen-wake-lock=(self), serial=(self), shared-storage=(self), shared-storage-select-url=(self), private-state-token-redemption=(self), usb=(self), usb-unrestricted=(self), unload=(self), window-management=(self), xr-spatial-tracking=(self);report-to="permissions_policy"
+ Uncommon header 'reporting-endpoints' found, with contents: coop_report="https://www.facebook.com/browser_reporting/coop/?minimize=0", permissions_policy="https://www.facebook.com/browser_error_reports/"
```

# Suraj S. Kaduvetti M.Sc.ComputerScience F015 Practical 2

```
(kali@kali)-[~]
└─$ nikto -h facebook.com -nolookup
- Nikto v2.1.6

+ ERROR: -nolookup set, but given name

(kali@kali)-[~]
└─$ nikto -h facebook.com -no404
- Nikto v2.1.6

+ Target IP: 157.240.16.35
+ Target Hostname: facebook.com
+ Target Port: 80
+ Start Time: 2024-07-27 01:11:26 (GMT-4)

+ Server: proxygen-bolt
+ The anti-clickjacking X-Frame-Options header is not present.
+ The X-XSS-Protection header is not defined. This header can hint to the user agent to protect against some forms of XSS
+ 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 the M
IME type
+ All CGI directories 'found', use '-C none' to test none
+ ERROR: Error limit (20) reached for host, giving up. Last error: error reading HTTP response
+ Scan terminated: 20 error(s) and 3 item(s) reported on remote host
+ End Time: 2024-07-27 01:11:29 (GMT-4) (3 seconds)

+ 1 host(s) tested

(kali@kali)-[~]
└─$ nikto -h facebook.com -maxtime 1
- Nikto v2.1.6

+ Target IP: 163.70.144.35
+ Target Hostname: facebook.com
+ Target Port: 80
+ Start Time: 2024-07-27 01:14:06 (GMT-4)

+ Server: proxygen-bolt
+ The anti-clickjacking X-Frame-Options header is not present.
+ The X-XSS-Protection header is not defined. This header can hint to the user agent to protect against some forms of XSS
+ 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 the M
IME type
+ Root page / redirects to: https://facebook.com/
+ ERROR: Host maximum execution time of 1 seconds reached
+ Scan terminated: 0 error(s) and 3 item(s) reported on remote host
+ End Time: 2024-07-27 01:14:08 (GMT-4) (2 seconds)

+ 1 host(s) tested

(kali@kali)-[~]
└─$ nikto -h facebook.com -nossl
- Nikto v2.1.6

+ Target IP: 163.70.143.35
+ Target Hostname: facebook.com
+ Target Port: 80
+ Start Time: 2024-07-27 01:16:37 (GMT-4)

+ Server: proxygen-bolt
+ The anti-clickjacking X-Frame-Options header is not present.
+ The X-XSS-Protection header is not defined. This header can hint to the user agent to protect against some forms of XSS
+ 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 the M
IME type
+ Root page / redirects to: https://facebook.com/
+ No CGI Directories found (use '-C all' to force check all possible dirs)
+ ERROR: Error limit (20) reached for host, giving up. Last error: error reading HTTP response
+ Scan terminated: 20 error(s) and 3 item(s) reported on remote host
+ End Time: 2024-07-27 01:16:44 (GMT-4) (7 seconds)

+ 1 host(s) tested

(kali@kali)-[~]
└─$ nikto -h facebook.com -timeout 1
- Nikto v2.1.6

+ Target IP: 163.70.144.35
+ Target Hostname: facebook.com
+ Target Port: 80
+ Start Time: 2024-07-27 01:19:59 (GMT-4)

+ Server: proxygen-bolt
+ The anti-clickjacking X-Frame-Options header is not present.
+ The X-XSS-Protection header is not defined. This header can hint to the user agent to protect against some forms of XSS
+ 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 the M
IME type
+ Root page / redirects to: https://facebook.com/
+ No CGI Directories found (use '-C all' to force check all possible dirs)
+ ERROR: Error limit (20) reached for host, giving up. Last error: error reading HTTP response
+ Scan terminated: 20 error(s) and 3 item(s) reported on remote host
+ End Time: 2024-07-27 01:20:05 (GMT-4) (6 seconds)

+ 1 host(s) tested
```

## Suraj S. Kaduvetti M.Sc.ComputerScience F015 Practical 2

```
(kali@kali)-[~]
$ nikto -list-plugins
Plugin: struts shock
strutshock - Look for the 'strutshock' vulnerability.
Written by Jeremy Bae, Copyright (C) 2017 Chris Sullo

Plugin: embedded
Embedded Detection - Checks to see whether the host is an embedded server.
Written by Tautology, Copyright (C) 2009 Chris Sullo

Plugin: drupal
Drupal Specific Tests - Performs a selection of drupal specific tests
Written by Tautology, Copyright (C) 2014 Chris Sullo
Options:
  0: Flag to tell plugin to enumerate modules
  path: Basic path for modules (can usually be found in page source).

Plugin: cgi
CGI - Enumerates possible CGI directories.
Written by Sullo, Copyright (C) 2008 Chris Sullo

Plugin: apacheusers
Apache Users - Checks whether we can enumerate usernames directly from the web server
Written by Javier Fernandez-Sanguinot Pena, Copyright (C) 2008 Chris Sullo
Options:
  cgiwrap: User cgi-bin/cgiwrap to enumerate
  dictionary: Filename for a dictionary file of users
  size: Maximum size of username if bruteforcing
  home: Look for ~user to enumerate
  enumerate: Flag to indicate whether to attempt to enumerate users

Plugin: report_sql
Generic SQL reports - Produces SQL inserts into a generic database.
Written by Sullo, Copyright (C) 2013 Chris Sullo

Plugin: headers
HTTP Headers - Performs various checks against the headers returned from an HTTP request.
Written by Sullo, Copyright (C) 2008 Chris Sullo

Plugin: dir_traversal
Directory Traversal - Check applications / servers for directory traversal vulnerabilities.
Written by RealRancor, Copyright (C) 2016 Chris Sullo
```

```
Scan web server for known vulnerabilities
  -help          This help info
  -host+         Target host/URL
  -ip+           Host authentic
  -ipv4          IPv4 Only
  -ipv6          IPv6 Only
  -key+         Client certifi
  -list-plugins  List all avail
  -maxtime+     Maximum testin
  -mutate+      Guess addition
                  1. Tel
                  2. Gue
                  3. Enu
                  4. Enu
                  5. Att
                  6. Att
  -mutate-options Provide inform
  -noninteractive Disables inter
  -nolookup       Disables DNS
  -nossl          Disables the
  -nostash       Strip trailing
  -no404          Disables nikt
  -option        Over ride an
  -output+       Write output
  -pause+        Pause between
  -plugins+       List of plugin
  -port+         Port to use (
  -RSACert+      Client certifi
  -root+         Prepend root
  -save          Save positive
  -ssl           Force ssl mode
```