[illegible] CEH [illegible] – 09

[illegible] CEH [illegible]) :[illegible] TCP / IP [illegible]

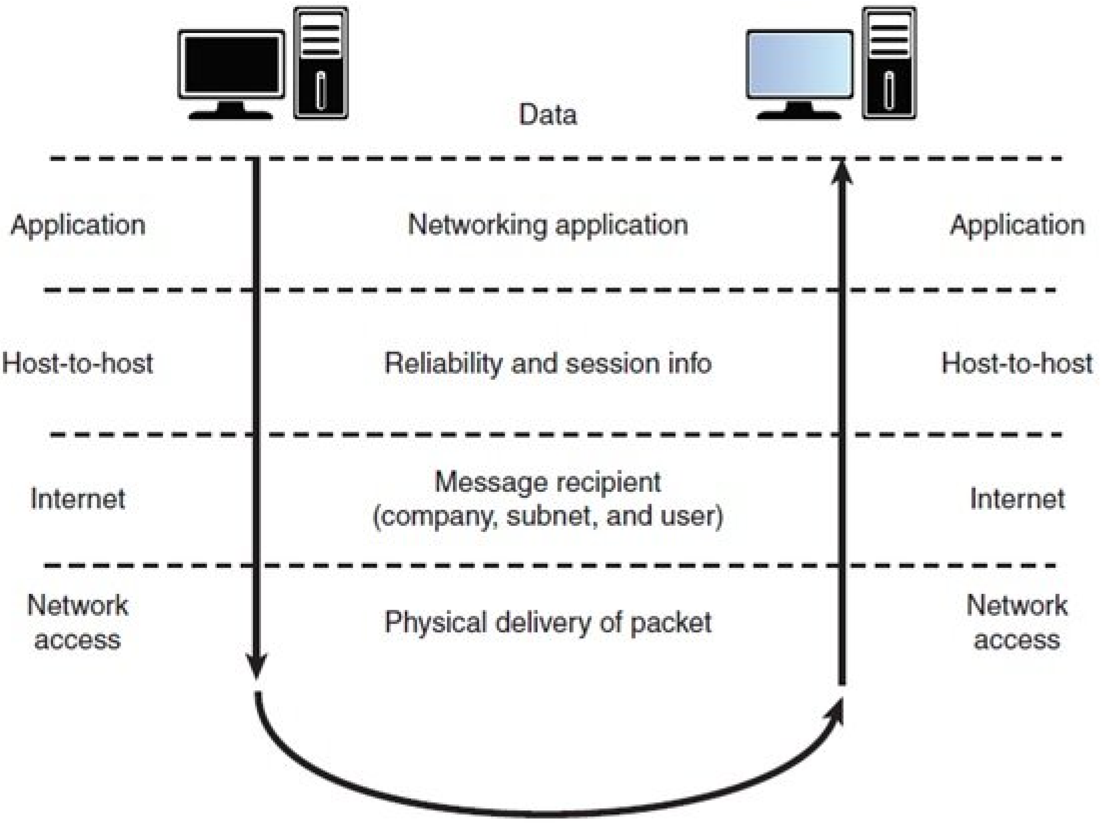
C|EH™
CERTIFIED ETHICAL HACKER

TCP / IP [illegible]. [illegible]
TCP / IP [illegible]. [illegible] 1982 [illegible]
[illegible]. [illegible] TCP /
IP [illegible]
[illegible]. [illegible]
[illegible].

[illegible] **CEH [illegible]** [illegible].

TCP / IP [illegible]

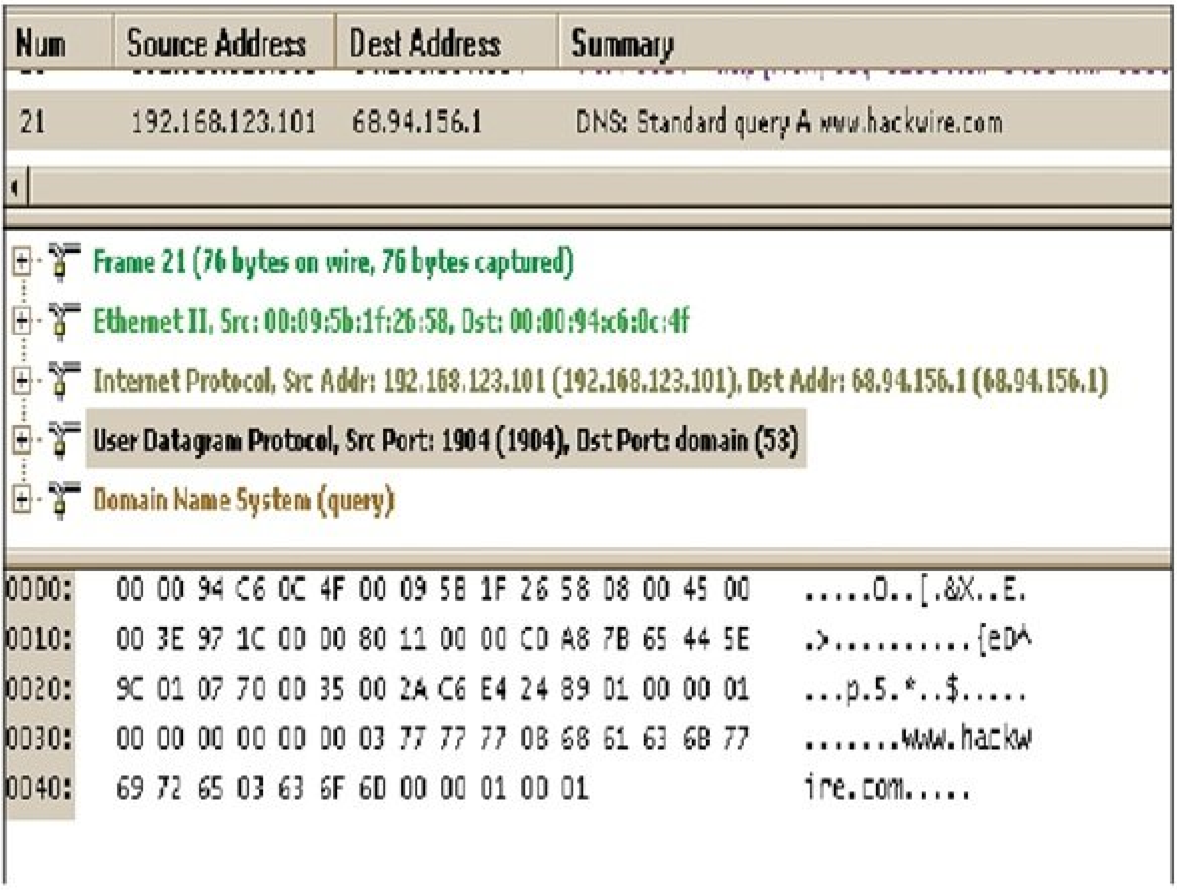
[illegible] TCP / IP [illegible] (IP) [illegible] (TCP) [illegible]
[illegible] (UDP) [illegible] (ICMP). [illegible]
[illegible] TCP / IP [illegible]
[illegible]. [illegible]
[illegible] TCP / IP [illegible]. [illegible]
[illegible]
[illegible]:


Data
Application
Networking application
Application
Host-to-host
Reliability and session info
Host-to-host
Internet
Message recipient (company, subnet, and user)
Internet
Network access
Physical delivery of packet
Network access

TCP / IP [illegible]. [illegible] TCP / IP [illegible] 1982 [illegible]. [illegible] TCP / IP [illegible]. [illegible].

[illegible]. [illegible] TCP/IP [illegible]. TCP / IP [illegible]. [illegible] Telnet [illegible].

[illegible]. [illegible] TC{/IPv4 [illegible]. [illegible] TCP / IPv4 [illegible]. [illegible].. [illegible] UDP [illegible].



```
Num  Source Address    Dest Address   Summary
21   192.168.123.101   68.94.156.1    DNS: Standard query A www.hackwire.com

Frame 21 (76 bytes on wire, 76 bytes captured)
Ethernet II, Src: 00:09:5b:1f:26:58, Dst: 00:00:94:c6:0c:4f
Internet Protocol, Src Addr: 192.168.123.101 (192.168.123.101), Dst Addr: 68.94.156.1 (68.94.156.1)
User Datagram Protocol, Src Port: 1904 (1904), Dst Port: domain (53)
Domain Name System (query)

0000:  00 00 94 C6 0C 4F 00 09 5B 1F 26 58 08 00 45 00   .....O..[.&X..E.
0010:  00 3E 97 1C 00 00 80 11 00 00 C0 A8 7B 65 44 5E   .>.........{eD^
0020:  9C 01 07 70 00 35 00 2A C6 E4 24 89 01 00 00 01   ...p.5.*..$.....
0030:  00 00 00 00 00 00 03 77 77 77 0B 68 61 63 6B 77   .......www.hackw
0040:  69 72 65 03 63 6F 6D 00 00 01 00 01               ire.com.....
```

[illegible] TCP / IP [illegible] TCP / IP [illegible]:

- The application layer
- The transport or host-to-host layer
- The Internet layer
- The network access layer

[illegible] (Application Layer)

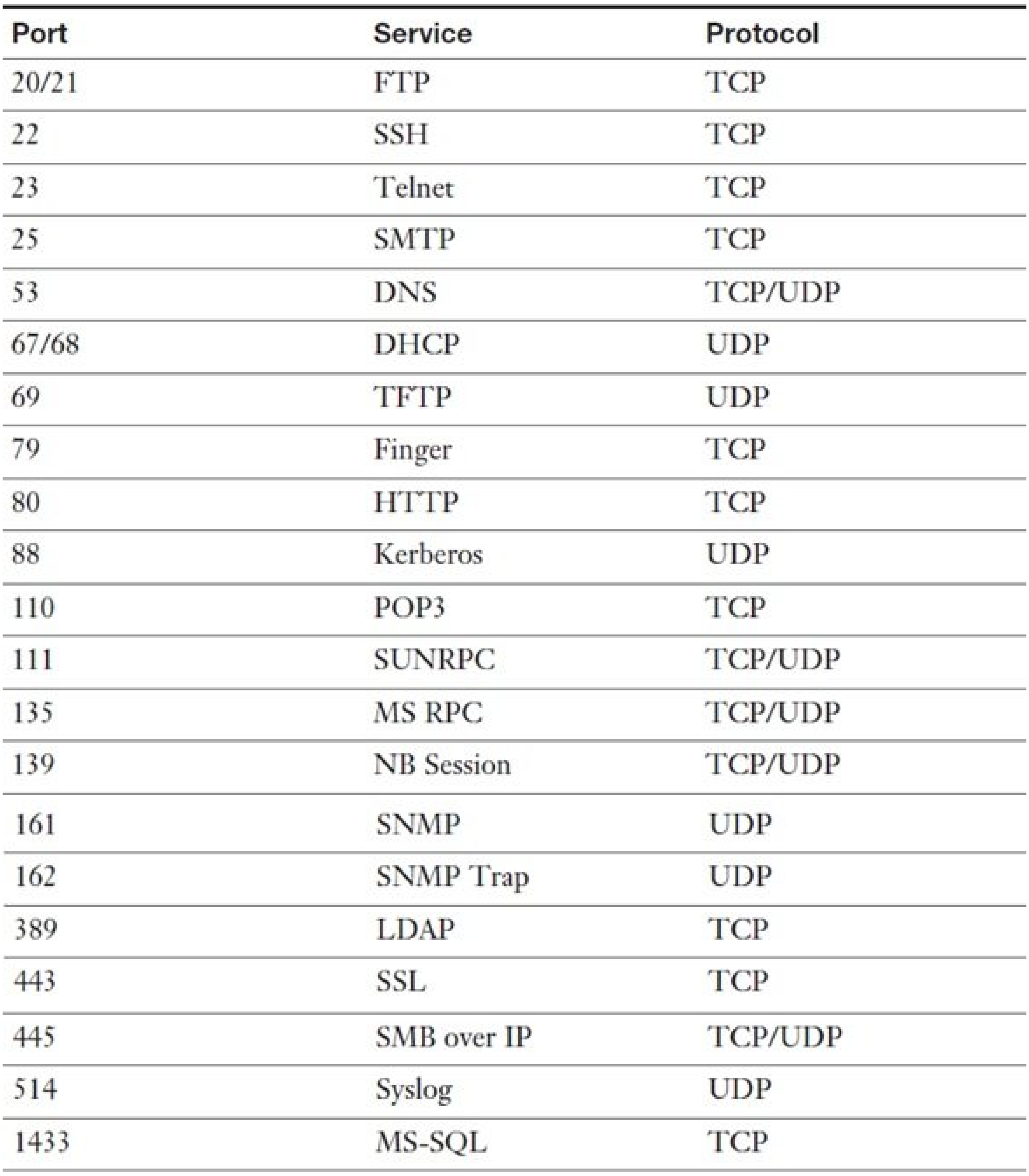
[illegible] TCP [illegible] UDP [illegible] (listen) [illegible] (SMTP) [illegible] 25 [illegible] 25 [illegible] FTP [illegible] 21 [illegible] HTTP (Hypertext) [illegible] 80 [illegible] (FTP) [illegible] 1023 [illegible] 65000 [illegible]:

0-1023 : [illegible]

1024-49151: [illegible]

49152-65535: [illegible]

[illegible]



Port	Service	Protocol
20/21	FTP	TCP
22	SSH	TCP
23	Telnet	TCP
25	SMTP	TCP
53	DNS	TCP/UDP
67/68	DHCP	UDP
69	TFTP	UDP
79	Finger	TCP
80	HTTP	TCP
88	Kerberos	UDP
110	POP3	TCP
111	SUNRPC	TCP/UDP
135	MS RPC	TCP/UDP
139	NB Session	TCP/UDP
161	SNMP	UDP
162	SNMP Trap	UDP
389	LDAP	TCP
443	SSL	TCP
445	SMB over IP	TCP/UDP
514	Syslog	UDP
1433	MS-SQL	TCP

[illegible] Secure Shell [illegible] SSH [illegible] Telnet [illegible]. [illegible]:

[illegible]: FTP [illegible] FTP [illegible] TCP [illegible] 20 [illegible] 21 [illegible]. [illegible] 20 [illegible] 21 [illegible]. [illegible] FTP [illegible]. [illegible] FTP [illegible] [illegible]. FTP [illegible] FTP [illegible].

[illegible] (DHCP): [illegible] DHCP [illegible] 68 [illegible] 67 [illegible]. DHCPv4 [illegible] (DORA) [illegible].

■: Telnet [illegible] TCP [illegible] 23 [illegible]. [illegible]. [illegible]. [illegible]. [illegible]. SSH [illegible]. SSH [illegible].

[illegible] **(SMTP)**: [illegible] TCP [illegible] 25 [illegible]. [illegible] SMTP [illegible]. [illegible] SMTP [illegible]. [illegible]. [illegible] SMTP [illegible].

[illegible] (DNS): [illegible] 53 [illegible]. [illegible] DNS [illegible] (FQDN) [illegible] IP [illegible] IP [illegible] FQDN [illegible]. [illegible] DNS [illegible]. [illegible] IP [illegible]. [illegible] DNS [illegible].

[illegible] DNS [illegible]. [illegible]. [illegible] (SOA) [illegible] Start Of Authority [illegible] A [illegible] IPv4 [illegible] AAAA [illegible] IPv6 [illegible] CNAME [illegible] NS [illegible] PTR [illegible] MX [illegible]. [illegible]. [illegible] SOA [illegible]. [illegible]. SOA [illegible] timeout [illegible]. [illegible] timeout [illegible] DNS [illegible]. [illegible] A [illegible]. [illegible] IP [illegible]. CNAME [illegible]. NS [illegible]. [illegible] MX [illegible]. [illegible]. [illegible] DNS [illegible]. [illegible]. DNS [illegible]. [illegible] DNS [illegible]. [illegible] DNS [illegible] DoS [illegible]. DNS [illegible] UDP [illegible] DNS [illegible] TCP [illegible]. DNS [illegible] (IETF) [illegible] (DNSSEC) [illegible] Domain Name System Security Extensions [illegible]. DNSSEC [illegible] DNS [illegible]. Nslookup [illegible] IP [illegible].

[illegible] DNS [illegible]. [illegible]:

```
host [-c class] [-N ndots] [-R number] [-t type] [-W wait] [-m flag] [-4] [-6] {name} [server]
```

[illegible]: [illegible] CEH [illegible] DNS [illegible] name resolvers [illegible] authoritative servers [illegible] DNS [illegible]. [illegible] NDS [illegible] A [illegible] IPV4 [illegible] AAAA [illegible] IPv6 [illegible].

TFTP [illegible]: [illegible] TFTP [illegible] Trivial File Transfer Protocol [illegible] 69 [illegible]. [illegible] FTP [illegible] UDP [illegible]. [illegible] TCP [illegible]. [illegible]. [illegible].

HTTP [illegible]: [illegible] Hypertext Transfer Protocol [illegible] TCP [illegible] 80 [illegible]. HTTP [illegible]. [illegible] HTTP [illegible]. HTTP [illegible]. [illegible] HTTP [illegible]. [illegible] Code Red [illegible].

SNMP [illegible]: [illegible] SNMP [illegible] Simple Network Management Protocol [illegible] UDP [illegible] 161 [illegible] 162 [illegible]. [illegible]. SNMP [illegible]. [illegible] SNMP [illegible]. [illegible] SNMP [illegible]. SNMP [illegible] 3 [illegible].

[illegible]: [illegible] **CEH** [illegible].

[illegible].

[illegible] **CEH** [illegible]:

[illegible] CEH

[illegible]:
[illegible]
[illegible]:
[illegible]
[illegible]:
11:20 - 03/12/1398
[illegible]:
CEH [illegible] - CEH [illegible] - CEH [illegible] - [illegible] - CEH v10 [illegible] - [illegible] - CEH10 [illegible] - [illegible] - [illegible] - [illegible] - OSI [illegible] - [illegible] - TCP / IP

[illegible]

[illegible]: https://www.shabakeh-mag.com/security/16595/%D8%A2%D9%85%D9%88%D8%B2%D8%B4-ceh-%D9%87%DA%A9%D8%B1-%DA%A9%D9%84%D8%A7%D9%87-%D8%B3%D9%81%DB%8C%D8%AF-%D8%A2%D8%B4%D9%86%D8%A7%DB%8C%DB%8C-%D8%A8%D8%A7-%D8%A2%D9%86%D8%A7%D8%AA%D9%88%D9%85%DB%8C-%D9%BE%D8%B1%D9%88%D8%AA%DA%A9%D9%84-tcp-ip-%D9%88-%D8%B6%D8%B9%D9%81%E2%80%8C%D9%87%D8%A7%DB%8C-%D8%A7%D9%85%D9%86%DB%8C%D8%AA%DB%8C-%D8%A2%D9%86