禪

[illegible]

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

[illegible]

[illegible] arp [illegible] dig [illegible] nslookup [illegible] ifconfig [illegible] ipconfig [illegible] TCP / IP utilities-ping [illegible] route [illegible]. [illegible] TCP / IP [illegible].

Netstat

[illegible] netstat [illegible] TCP / IP [illegible] TCP / IP [illegible]. [illegible] netstat [illegible]

[illegible]:

- [illegible] TCP / IP [illegible]
- [illegible]
- [illegible]
- [illegible] HTTP [illegible] netstat [illegible] 80 [illegible] netstat [illegible] netstat [illegible].

netstat [illegible]	[illegible]
netstat	[illegible] TCP / IP [illegible] (TCP [illegible]) [illegible] IP [illegible].
netstat -n	[illegible] IP [illegible].
netstat -f	[illegible] IP [illegible] FQDN [illegible].
netstat –a	[illegible] TCP [illegible] TCP [illegible] UDP [illegible].
netstat -e	[illegible].
netstat -s	[illegible] (IP [illegible] UDP [illegible] TCP [illegible] ICMP) [illegible].
netstat -o	PID ([illegible]) [illegible].
netstat -r	[illegible].
netstat -b	[illegible].

[illegible]: [illegible] netstat [illegible] netstat -an [illegible] TCP [illegible] TCP [illegible] UDP [illegible] TCP [illegible].

[illegible] tracert [illegible] traceroute

[illegible] Tracert [illegible] ICMP [illegible]. [illegible] macOS [illegible] UDP [illegible] TCP SYN [illegible]. Traceroute [illegible]

traceroute –n google.com או tracert –d google.com	
traceroute –m 12 google.com או tracert –h 12 google.com	
traceroute –w 2 google.com או tracert –w 2000 google.com	
traceroute –f 3 google.com	
traceroute –I google.com	
traceroute –T google.com	
traceroute –4 google.com או tracert –4 google.com	

traceroute –6 google.com או tracert –6 google.com	מאלץ את השימוש בגרסת IPv4 או Ipv6 בלבד.

מאפשר גם לשנות את .הזמן שבו נמתין לתשובה לפני שנשלח בקשה נוספת. גם לשנות את מספר הקפיצות המרבי שנרצה לבדוק:

- 1.מגדיר את סוג הבקשות שישלחו לנתב ב מהם: ICMP או UDP.
- 2. את מספר הקפיצות המרבי שנרצה לבדוק ב ICMP או UDP.
- 3.את הזמן שנמתין לתשובה לפני שנשלח בקשה נוספת.

ב TCP או ICMP traceroute. ב tracert ב ICMP ICMP ב ICMP או UDP traceroute tracert ב traceroute

Pathping

tracert Pathping :

Pathping google.com

Ctrl+C .

pathping	
pathping –n google.com	.
pathping –h 12 google.com	30 .
pathping –p 2000 google.com	4 (4000 .)
pathping –q 4 google.com	100 .

[illegible] pathping [illegible] mtr [illegible].

Tcpdump

tcpdump [illegible] Wireshark [illegible] tcpdump [illegible] Wireshark [illegible] tcpdump [illegible] Wireshark [illegible] sudo [illegible] tcpdump [illegible] tcpdump [illegible] sudo [illegible] sudo su root [illegible] tcpdump [illegible].

tcpdump [illegible]	[illegible]
tcpdump not port 22 [illegible] tcpdump not port 23	[illegible] SSH [illegible] tcpdump [illegible].
tcpdump -n	[illegible].
tcpdump -c 50	[illegible] 50 [illegible].
tcpdump -i any	[illegible].
tcpdump -D	[illegible].
tcpdump port http	[illegible] HTTP [illegible].
tcpdump -w capture.cap	[illegible] capture.cap [illegible].
tcpdump -r capture.cap	

[illegible]

[illegible] MAC [illegible] MAC [illegible] MAC [illegible] MAC [illegible] MAC [illegible] spoofing [illegible] MAC [illegible] MAC [illegible] MAC [illegible]:

[illegible]: [illegible] ARP [illegible].

[illegible] 2: [illegible].

[illegible] 3: [illegible] MAC [illegible]. . [illegible].

.[illegible]

[illegible]

[illegible]

1. [illegible] tracert [illegible] traceroute ([illegible]) [illegible]
[illegible] ICMP [illegible].

2. [illegible] traceroute [illegible] tracert [illegible].

3. [illegible].

[illegible]

[illegible] arp [illegible] IPv4[illegible] [illegible] ICMP [illegible] [illegible] ARP [illegible].
[illegible] IPv4 [illegible] [illegible] ARP [illegible].
[illegible] ARP [illegible] [illegible] (NDP) [illegible] IPv6 [illegible].
[illegible] ICMPv6 [illegible] (Neighbour Discovery Protocol)
[illegible] IPv6 [illegible] ICMP [illegible] NDP. [illegible] ARP [illegible].

[illegible]:
[illegible]
[illegible]:
[illegible]
[illegible]:
15:35 - 30/08/1398
[illegible]:
[illegible] - [illegible] - [illegible]

[illegible]
[illegible]:https://www.shabakeh-mag.com/networking-technology/16293/%D8%A2%D8%B4%D9%86%D8%A7%DB%8C%DB%8C-%D8%A8%D8%A7-%D8%A7%D9%86%D9%88%D8%A7%D8%B9-%D8%A7%D8%A8%D8%B2%D8%A7%D8%B1%D9%87%D8%A7-%D9%88-

%D9%81%D8%B1%D9%85%D8%A7%D9%86%E2%80%8C%D9%87%D8%A7%DB%8C-
%D8%AE%D8%B7%D8%A7%DB%8C%D8%A7%D8%A8%DB%8C-
%D9%85%D8%B3%DB%8C%D8%B1%D9%87%D8%A7%DB%8C-
%D8%B4%D8%A8%DA%A9%D9%87