

ΔΙΚΤΥΑ ΥΠΟΛΟΓΙΣΤΩΝ

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ΑΚΑΔΗΜΑΪΚΟ ΕΤΟΣ: 2022-2023

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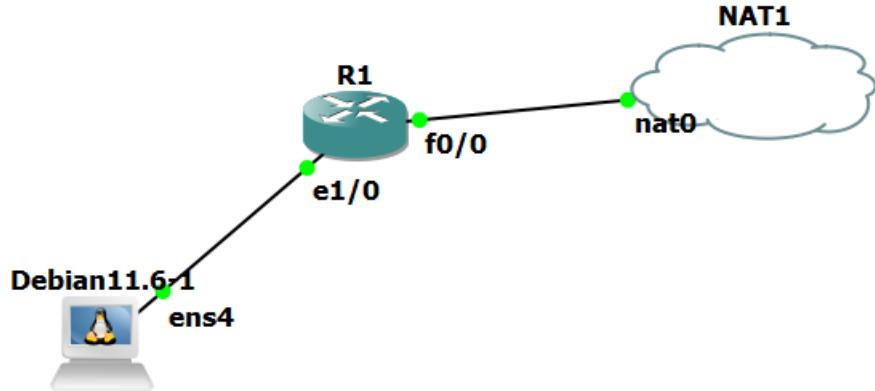
4η Εργασία -
CiscoRouter Configuration

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Kος Βλάχος

ΕΡΩΤΗΜΑΤΑ:

Τοπολογία:



Εκτελέστε ip a και δείξτε την IP που του έχει ανατεθεί:

```
debian@debian:~$ ip a
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: ens4: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 0c:4f:8c:96:00:00 brd ff:ff:ff:ff:ff:ff
    altname enp0s4
    inet 108.45.22.2/24 brd 108.45.22.255 scope global dynamic ens4
        valid_lft 86199sec preferred_lft 86199sec
    inet6 fe80::e4f:8cff:fe96:0/64 scope link
        valid_lft forever preferred_lft forever
```

Εκτελέστε ping 8.8.8.8 και δείξτε τα αποτελέσματα:

```
debian@debian:~$ ping 8.8.8.8
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.
64 bytes from 8.8.8.8: icmp_seq=1 ttl=126 time=96.9 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=126 time=69.2 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=126 time=57.3 ms
64 bytes from 8.8.8.8: icmp_seq=4 ttl=126 time=62.3 ms
64 bytes from 8.8.8.8: icmp_seq=5 ttl=126 time=58.0 ms
64 bytes from 8.8.8.8: icmp_seq=6 ttl=126 time=60.2 ms
64 bytes from 8.8.8.8: icmp_seq=7 ttl=126 time=63.0 ms
64 bytes from 8.8.8.8: icmp_seq=8 ttl=126 time=60.3 ms
64 bytes from 8.8.8.8: icmp_seq=9 ttl=126 time=60.6 ms
^C
--- 8.8.8.8 ping statistics ---
9 packets transmitted, 9 received, 0% packet loss, time 8016ms
rtt min/avg/max/mdev = 57.282/65.321/96.898/11.634 ms
```

Εκτελέστε sudo traceroute 8.8.8.8 και δείξτε τα αποτελέσματα.

```
debian@debian:~$ sudo traceroute 8.8.8.8
traceroute to 8.8.8.8 (8.8.8.8), 30 hops max, 60 byte packets
1  108.45.22.1 (108.45.22.1)  38.076 ms  37.391 ms  37.202 ms
2  192.168.122.1 (192.168.122.1)  37.033 ms  36.896 ms  36.743 ms
3  192.168.142.2 (192.168.142.2)  36.563 ms  36.417 ms  36.425 ms
4  * * *
5  * * *
6  * * *
7  * * *
8  * * *
9  * * *
10  * * *
11  * * *
12  * * *
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26  * * *
27  * * *
28  * * *
29  * * *
30  * * *
```

ΤΕΛΟΣ ΑΝΑΦΟΡΑΣ