

ΑΝΑΦΟΡΑ ΓΙΑ ΤΟ 2^ο ΕΡΓΑΣΤΗΡΙΟ ΣΤΑ ΔΙΚΤΥΑ

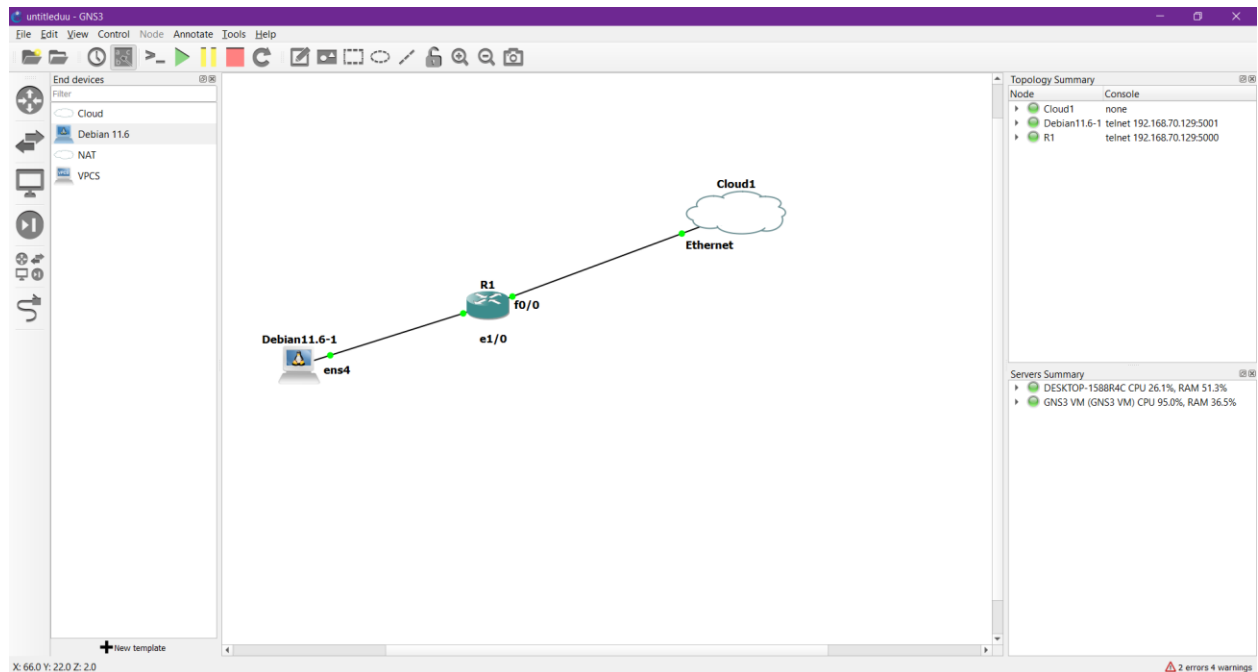
ΥΠΟΛΟΓΙΣΤΩΝ

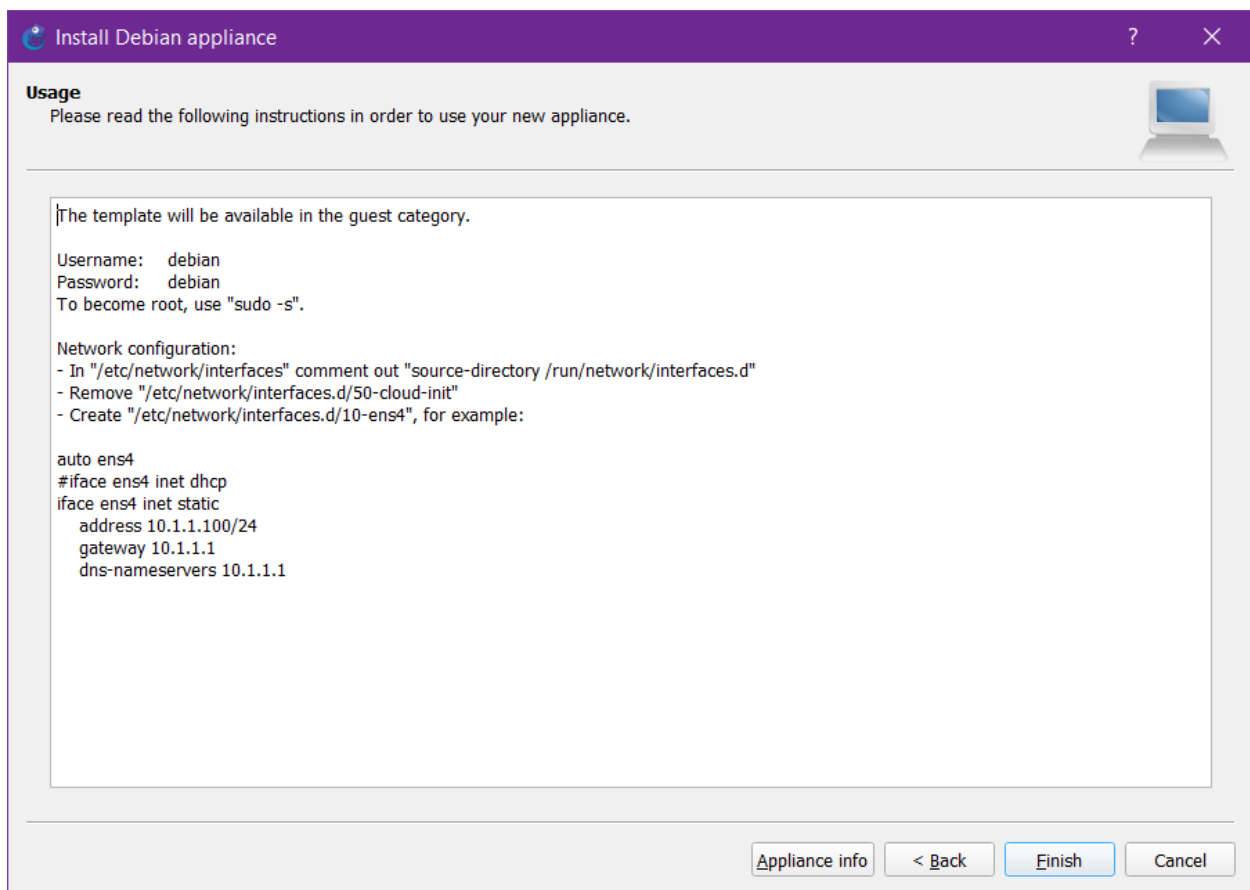
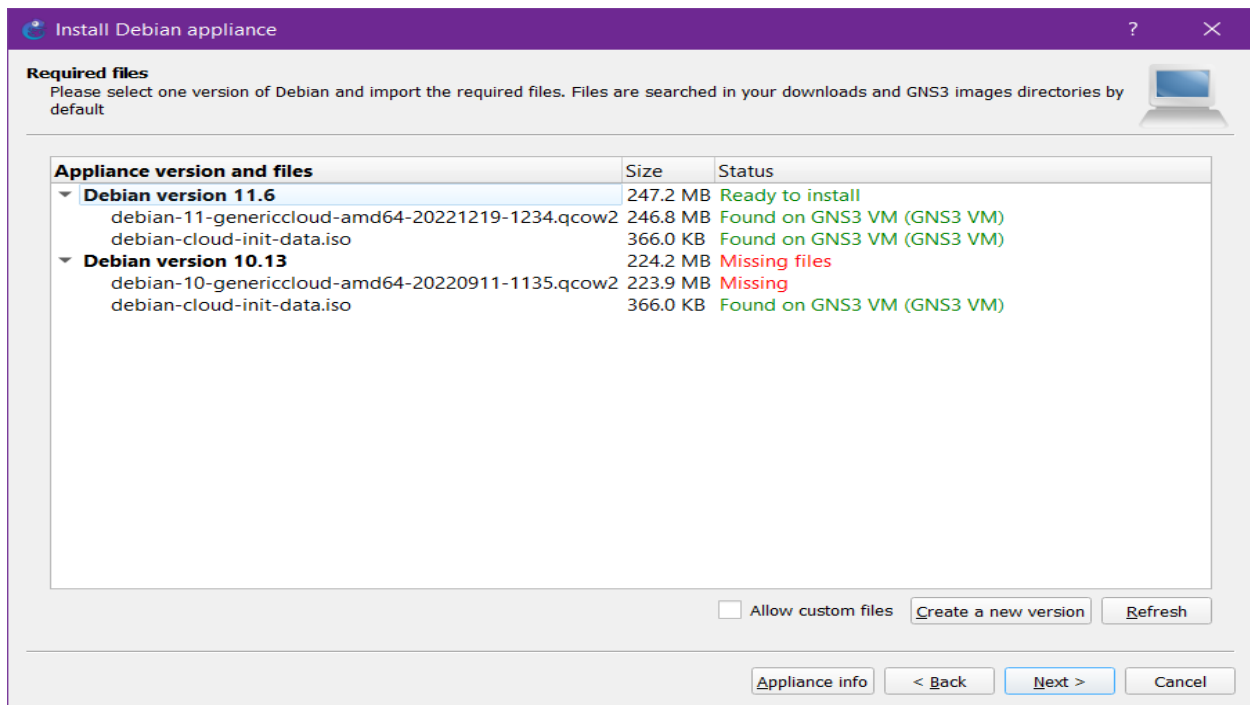
ΑΜ = 1070263

Ον/μο = ΣΠΥΡΟ ΣΟΥΛΙ

Έτος = 6^ο

Υλοποίηση





Node properties

?

×

Debian11.6-1 configuration

General settings

HDD

CD/DVD

Network

Advanced

Usage

HDA (Primary Master)

Disk image: 1-genericcloud-amd64-20221219-1234.qcow2

Browse...

Create...

Resize...

Disk interface: virtio

HDB (Primary Slave)

Disk image:

Browse...

Create...

Resize...

Disk interface: none

HDC (Secondary Master)

Disk image:

Browse...

Create...

Resize...

Disk interface: none

HDD (Secondary Slave)

☐ Automatically create a config disk on HDD

Disk image:

Browse...

Create...

Resize...

Disk interface: none

Reset

OK

Cancel

Apply

Node properties

?

×

Debian11.6-1 configuration

General settings

HDD

CD/DVD

Network

Advanced

Usage

CD/DVD-ROM

Image: debian-cloud-init-data.iso

Browse...

Reset

OK

Cancel

Apply

Έχουμε έτοιμο το Debian οπότε προχωράμε στην παραμετροποίηση.

1. Αλλάζτε το hostname του Router με τον αριθμό μητρώου σας.

```
Press RETURN to get started!

*Apr 2 19:47:24.355: %LINEPROTO-5-UPDOWN: Line protocol on Interface VoIP-Null0, changed state to up
*Apr 2 19:47:24.367: %LINK-3-UPDOWN: Interface FastEthernet0/0, changed state to up
*Apr 2 19:47:24.375: %LINK-3-UPDOWN: Interface Ethernet1/0, changed state to up
*Apr 2 19:47:24.383: %LINK-3-UPDOWN: Interface Ethernet1/1, changed state to up
*Apr 2 19:47:24.387: %LINK-3-UPDOWN: Interface Ethernet1/2, changed state to up
*Apr 2 19:47:24.395: %LINK-3-UPDOWN: Interface Ethernet1/3, changed state to up
*Apr 2 19:47:24.907: %SYS-5-CONFIG_I: Configured from memory by console
*Apr 2 19:47:25.179: %SYS-5-RESTART: System restarted --
Cisco IOS Software, 7200 Software (C7200-ADVENTERPRISEK9-M), Version 15.3(3)XB12, RELEASE SOFTWARE (fc2)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2013 by Cisco Systems, Inc.
Compiled Tue 19-Nov-13 04:39 by prod_rel_team
*Apr 2 19:47:25.203: %SNMP-5-COLDSTART: SNMP agent on host R1 is undergoing a cold start
*Apr 2 19:47:25.299: %CRYPTO-6-ISAKMP_ON_OFF: ISAKMP is OFF
*Apr 2 19:47:25.303: %CRYPTO-6-GDOI_ON_OFF: GDOI is OFF
*Apr 2 19:47:25.371: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to down
*Apr 2 19:47:25.379: %LINEPROTO-5-UPDOWN: Line protocol on Interface Ethernet1/0, changed state to down
*Apr 2 19:47:25.379: %LINEPROTO-5-UPDOWN: Line protocol on Interface Ethernet1/1, changed state to down
*Apr 2 19:47:25.387: %LINEPROTO-5-UPDOWN: Line protocol on Interface Ethernet1/2, changed state to down
*Apr 2 19:47:25.395: %LINEPROTO-5-UPDOWN: Line protocol on Interface Ethernet1/3, changed state to down
*Apr 2 19:47:26.911: %LINK-5-CHANGED: Interface FastEthernet0/0, changed state to administratively down
*Apr 2 19:47:26.919: %LINK-5-CHANGED: Interface Ethernet1/0, changed state to administratively down
*Apr 2 19:47:26.931: %LINK-5-CHANGED: Interface Ethernet1/1, changed state to administratively down
*Apr 2 19:47:26.939: %LINK-5-CHANGED: Interface Ethernet1/2, changed state to administratively down
*Apr 2 19:47:26.947: %LINK-5-CHANGED: Interface Ethernet1/3, changed state to administratively down
R1#enable
R1#config 5
^
% Invalid input detected at '^' marker.

R1#config t
Enter configuration commands, one per line. End with CNTL/Z.
R1(config)#hostname 1070263
% Hostname contains one or more illegal characters.

1070263(config)#exit
1070263#
*Apr 2 19:48:12.651: %SYS-5-CONFIG_I: Configured from console by console
1070263#wri
Warning: Attempting to overwrite an NVRAM configuration previously written
by a different version of the system image.
Overwrite the previous NVRAM configuration?[confirm]
Building configuration...
[OK]
1070263#
```

2. Διαμορφώστε την πρόσβαση μέσω console με τις ακόλουθες ρυθμίσεις και passwd τον αριθμό μητρώου σας

```
*Apr  2 19:47:26.939: %LINK-5-CHANGED: Interface Ethernet1/2, changed state to administratively down
*Apr  2 19:47:26.947: %LINK-5-CHANGED: Interface Ethernet1/3, changed state to administratively down
R1#enable
R1#config 5
  ^
% Invalid input detected at '^' marker.

R1#config t
Enter configuration commands, one per line.  End with CNTL/Z.
R1(config)#hostname 1070263
% Hostname contains one or more illegal characters.

1070263(config)#exit
1070263#
*Apr  2 19:48:12.651: %SYS-5-CONFIG_I: Configured from console by console
1070263#wri
Warning: Attempting to overwrite an NVRAM configuration previously written
by a different version of the system image.
Overwrite the previous NVRAM configuration?[confirm]
Building configuration...
[OK]
1070263#enable
1070263#config t
Enter configuration commands, one per line.  End with CNTL/Z.
1070263(config)#line soncole 0
  ^
% Invalid input detected at '^' marker.

1070263(config)#line console 0
1070263(config-line)#password 1070263
1070263(config-line)#history size 15
1070263(config-line)#login
1070263(config-line)#logging synchronous
1070263(config-line)#exit
1070263(config)#exit
1070263#w
*Apr  2 19:51:02.787: %SYS-5-CONFIG_I: Configured from console by console
1070263#wri
Building configuration...
[OK]
1070263#
```

3. Διαμορφώστε την πρόσβαση μέσω telnet με τις ακόλουθες ρυθμίσεις με passwd τον αριθμό μητρώου σας.

```
1070263#wri
Warning: Attempting to overwrite an NVRAM configuration previously written
by a different version of the system image.
Overwrite the previous NVRAM configuration?[confirm]
Building configuration...
[OK]
1070263#enable
1070263#config t
Enter configuration commands, one per line. End with CNTL/Z.
1070263(config)#line sonconsole 0
^
% Invalid input detected at '^' marker.
1070263(config)#line console 0
1070263(config-line)#password 1070263
1070263(config-line)#history size 15
1070263(config-line)#login
1070263(config-line)#logging synchronous
1070263(config-line)#exit
1070263(config)#exit
1070263#w
*Apr  2 19:51:02.787: %SYS-5-CONFIG_I: Configured from console by console
1070263#wri
Building configuration...
[OK]
1070263#enable
1070263#config t
Enter configuration commands, one per line. End with CNTL/Z.
1070263(config)#line vty 0 15
1070263(config-line)#password 1070263
1070263(config-line)#history size 15
1070263(config-line)#login local
1070263(config-line)#logging synchronous
1070263(config-line)#exit
1070263(config)#exit
1070263#wri
*Apr  2 19:53:28.451: %SYS-5-CONFIG_I: Configured from console by console
1070263#wri
Building configuration...
[OK]
1070263#
```

4. Προσθήκη χρήστη

```
1070263(config)#line console 0
1070263(config-line)#password 1070263
1070263(config-line)#history size 15
1070263(config-line)#login
1070263(config-line)#logging synchronous
1070263(config-line)#exit
1070263(config)#exit
1070263#w
*Apr  2 19:51:02.787: %SYS-5-CONFIG_I: Configured from console by console
1070263#wri
Building configuration...
[OK]
1070263#enable
1070263#config t
Enter configuration commands, one per line. End with CNTL/Z.
1070263(config)#line vty 0 15
1070263(config-line)#password 1070263
1070263(config-line)#history size 15
1070263(config-line)#login local
1070263(config-line)#logging synchronous
1070263(config-line)#exit
1070263(config)#exit
1070263#wri
*Apr  2 19:53:28.451: %SYS-5-CONFIG_I: Configured from console by console
1070263#wri
Building configuration...
[OK]
1070263#enable
1070263#conf t
Enter configuration commands, one per line. End with CNTL/Z.
1070263(config)#username 1070263 privilege 10 password
% Incomplete command.

1070263(config)#username 1070263 privilege 10 password 1070263
1070263(config)#exit
1070263#
*Apr  2 19:54:56.859: %SYS-5-CONFIG_I: Configured from console by console
1070263#wr
Building configuration...
[OK]
1070263#
```

5. Εισαγωγή passwd για να μπορεί να εισέλθει ο router σε config mode.

```
Building configuration...
[OK]
1070263#enable
1070263#config t
Enter configuration commands, one per line. End with CNTL/Z.
1070263(config)#line vty 0 15
1070263(config-line)#password 1070263
1070263(config-line)#history size 15
1070263(config-line)#login local
1070263(config-line)#logging synchronous
1070263(config-line)#exit
1070263(config)#exit
1070263#wri
*Apr  2 19:53:28.451: %SYS-5-CONFIG_I: Configured from console by console
1070263#wri
Building configuration...
[OK]
1070263#enable
1070263#conf t
Enter configuration commands, one per line. End with CNTL/Z.
1070263(config)#username 1070263 privilege 10 password
% Incomplete command.

1070263(config)#username 1070263 privilege 10 password 1070263
1070263(config)#exit
1070263#
*Apr  2 19:54:56.859: %SYS-5-CONFIG_I: Configured from console by console
1070263#wr
Building configuration...
[OK]
1070263#enable
1070263#config t
Enter configuration commands, one per line. End with CNTL/Z.
1070263(config)#enable secret cisco
1070263(config)#exit
1070263#wr
*Apr  2 19:57:29.779: %SYS-5-CONFIG_I: Configured from console by console
1070263#wr
Building configuration...
[OK]
1070263#
```

6. Ενεργοποιήστε dhcp-client στο interface FastEthernet 0/0

```
*Apr  2 19:54:56.859: %SYS-5-CONFIG_I: Configured from console by console
1070263#wr
Building configuration...
[OK]
1070263#enable
1070263#config t
Enter configuration commands, one per line. End with CNTL/Z.
1070263(config)#enable secret cisco
1070263(config)#exit
1070263#wr
*Apr  2 19:57:29.779: %SYS-5-CONFIG_I: Configured from console by console
1070263#wr
Building configuration...
[OK]
1070263#conf t
Enter configuration commands, one per line. End with CNTL/Z.
1070263(config)#int f0/0
1070263(config-if)#ip address dhcp
1070263(config-if)#no shutdown
1070263(config-if)#end
1070263#
*Apr  2 19:59:07.775: %SYS-5-CONFIG_I: Configured from console by console
1070263#
*Apr  2 19:59:07.787: %LINK-3-UPDOWN: Interface FastEthernet0/0, changed state to up
*Apr  2 19:59:08.787: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
1070263#wr
Building configuration...
[OK]
1070263#conf t
Enter configuration commands, one per line. End with CNTL/Z.
1070263(config)#ip domain-lookup
1070263(config)#ip name-server 8.8.8.8
1070263(config)#end
1070263#wr
Building configuration...

*Apr  2 19:59:40.983: %SYS-5-CONFIG_I: Configured from console by console[OK]
1070263#ping 8.8.8.8
% Unrecognized host or address, or protocol not running.

1070263#
```

7. Αναθέστε IP διεύθυνση στο interface. E1/0 σύμφωνα με τον αριθμό μητρώου σας

```
*Apr 2 19:59:07.787: %LINK-3-UPDOWN: Interface FastEthernet0/0, changed state to up
*Apr 2 19:59:08.787: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
1070263#wr
Building configuration...
[OK]
1070263#conf t
Enter configuration commands, one per line. End with CNTL/Z.
1070263(config)#ip domain-lookup
1070263(config)#ip name-server 8.8.8.8
1070263(config)#end
1070263#wr
Building configuration...

*Apr 2 19:59:40.983: %SYS-5-CONFIG_I: Configured from console by console[OK]
1070263#ping 8.8.8.8
% Unrecognized host or address, or protocol not running.

1070263#int e1/0
^
% Invalid input detected at '^' marker.

1070263#conf t
Enter configuration commands, one per line. End with CNTL/Z.
1070263(config)#int e1/0
1070263(config-if)#no shut
1070263(config-if)#ip add 10
*Apr 2 20:05:04.599: %LINK-3-UPDOWN: Interface Ethernet1/0, changed state to up
*Apr 2 20:05:05.599: %LINEPROTO-5-UPDOWN: Line protocol on Interface Ethernet1/0, changed state to up
1070263(config-if)#ip add 107.02.63.1 255.255.255.0
1070263(config-if)#int loop 0
1070263(config-if)#
*Apr 2 20:06:16.887: %LINEPROTO-5-UPDOWN: Line protocol on Interface Loopback0, changed state to up
1070263(config-if)#ip add 1.1.1.1 255.255.255.25
Bad mask 0xFFFFF19 for address 1.1.1.1
1070263(config-if)#end
1070263#wr
*Apr 2 20:07:05.027: %SYS-5-CONFIG_I: Configured from console by console
1070263#wr
Building configuration...
[OK]
1070263#
```

8. Υλοποιήστε DHCP server στον interface e1/0

```
% Unrecognized host or address, or protocol not running.

1070263#int e1/0
^
% Invalid input detected at '^' marker.

1070263#conf t
Enter configuration commands, one per line. End with CNTL/Z.
1070263(config)#int e1/0
1070263(config-if)#no shut
1070263(config-if)#ip add 10
*Apr 2 20:05:04.599: %LINK-3-UPDOWN: Interface Ethernet1/0, changed state to up
*Apr 2 20:05:05.599: %LINEPROTO-5-UPDOWN: Line protocol on Interface Ethernet1/0, changed state to up
1070263(config-if)#ip add 107.02.63.1 255.255.255.0
1070263(config-if)#int loop 0
1070263(config-if)#
*Apr 2 20:06:16.887: %LINEPROTO-5-UPDOWN: Line protocol on Interface Loopback0, changed state to up
1070263(config-if)#ip add 1.1.1.1 255.255.255.25
Bad mask 0xFFFFF19 for address 1.1.1.1
1070263(config-if)#end
1070263#wr
*Apr 2 20:07:05.027: %SYS-5-CONFIG_I: Configured from console by console
1070263#wr
Building configuration...
[OK]
1070263#enable
1070263#config t
Enter configuration commands, one per line. End with CNTL/Z.
1070263(config)#interface Ethernet 1/0
1070263(config-if)#ip dhcp pool DHCPpool
1070263(dhcp-config)#network 107.02.63.1 255.255.255.0
1070263(dhcp-config)#dns-server 8.8.8.8
1070263(dhcp-config)#default-router 107.02.63.1
1070263(dhcp-config)#service dhcp
1070263(config)#exit
1070263#wr
*Apr 2 20:11:37.367: %SYS-5-CONFIG_I: Configured from console by console
1070263#wr
Building configuration...
[OK]
1070263#
```


9. Υλοποιήστε NAT στο interface e1/0.

```
1070263(config)#interface Ethernet 1/0
1070263(config-if)#ip dhcp pool DHCPpool
1070263(dhcp-config)#exit
1070263(config)#configure t
^
% Invalid input detected at '^' marker.

1070263(config)#exit
1070263#
*Apr  2 20:13:49.323: %SYS-5-CONFIG_I: Configured from console by console
1070263#configure t
Enter configuration commands, one per line.  End with CNTL/Z.
1070263(config)#interface FastEthernet 0/0
1070263(config-if)#ip nat outside
1070263(config-if)#exit
*Apr  2 20:14:15.687: %LINEPROTO-5-UPDOWN: Line protocol on Interface NVI0, changed state to up
1070263(config-if)#exit
1070263(config)#exit
1070263#wr
Building configuration...

*Apr  2 20:14:22.671: %SYS-5-CONFIG_I: Configured from console by console[OK]
1070263#enable
1070263#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
1070263(config)#interface Ethernet 1/0
1070263(config-if)#ip nat inside
1070263(config-if)#ip nat inside source list 1 interface
^
% Invalid input detected at '^' marker.

1070263(config-if)#$de source list 1 interface FastEthernet 0/0 overload
1070263(config)#$de source list 1 interface FastEthernet 0/0 overload
1070263(config)#access-list 1 permit 107.02.63.1 0.255.255.255
1070263(config)#exit
1070263#wr
Building configuration...
[OK]
1070263#
*Apr  2 20:16:40.295: %SYS-5-CONFIG_I: Configured from console by console
1070263#
```

Ερώτημα 1^ο

- ip a

```
[ OK ] Finished Remove Stale Onli...ext4 Metadata Check Snapshots.
[ OK ] Reached target Graphical Interface.
        Starting Update UTMP about System Runlevel Changes...
[ OK ] Finished Update UTMP about System Runlevel Changes.
[  24.738376 ] cloud-init[443]: Cloud-init v. 20.4.1 running 'modules:final' at Sun, 02 Apr 2023 20:19:
[  24.764792 ] cloud-init[443]: Cloud-init v. 20.4.1 finished at Sun, 02 Apr 2023 20:19:26 +0000. Data
Up 24.76 seconds
[ OK ] Finished Execute cloud user/final scripts.
[ OK ] Reached target Cloud-init target.

Debian GNU/Linux 11 debian ttyS0

debian login: debian
Password:
Linux debian 5.10.0-20-cloud-amd64 #1 SMP Debian 5.10.158-2 (2022-12-13) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
debian@debian:~$ sudo -s
root@debian:/home/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:ba:a4:07:00:00 brd ff:ff:ff:ff:ff:ff
    altname enp0s3
    altname ens3
    inet 107.2.63.2/24 brd 107.2.63.255 scope global dynamic ens4
        valid_lft 86315sec preferred_lft 86315sec
    inet6 fe80::eba:a4ff:fe07:0/64 scope link
        valid_lft forever preferred_lft forever
root@debian:/home/debian#
```

- ping 8.8.8.8

```
    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:ba:a4:07:00:00 brd ff:ff:ff:ff:ff:ff
    altname enp0s3
    altname ens3
    inet 107.2.63.2/24 brd 107.2.63.255 scope global dynamic ens4
        valid_lft 86315sec preferred_lft 86315sec
    inet6 fe80::eba:a4ff:fe07:0/64 scope link
        valid_lft forever preferred_lft forever
root@debian:/home/debian# ping 8.8.8.8
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.
From 107.2.63.1 icmp_seq=1 Destination Host Unreachable
From 107.2.63.1 icmp_seq=2 Destination Host Unreachable
From 107.2.63.1 icmp_seq=3 Destination Host Unreachable
From 107.2.63.1 icmp_seq=4 Destination Host Unreachable
From 107.2.63.1 icmp_seq=5 Destination Host Unreachable
From 107.2.63.1 icmp_seq=6 Destination Host Unreachable
From 107.2.63.1 icmp_seq=7 Destination Host Unreachable
From 107.2.63.1 icmp_seq=8 Destination Host Unreachable
From 107.2.63.1 icmp_seq=9 Destination Host Unreachable
From 107.2.63.1 icmp_seq=10 Destination Host Unreachable
From 107.2.63.1 icmp_seq=11 Destination Host Unreachable
From 107.2.63.1 icmp_seq=12 Destination Host Unreachable
From 107.2.63.1 icmp_seq=13 Destination Host Unreachable
From 107.2.63.1 icmp_seq=14 Destination Host Unreachable
From 107.2.63.1 icmp_seq=15 Destination Host Unreachable
From 107.2.63.1 icmp_seq=16 Destination Host Unreachable
From 107.2.63.1 icmp_seq=17 Destination Host Unreachable
From 107.2.63.1 icmp_seq=18 Destination Host Unreachable
From 107.2.63.1 icmp_seq=19 Destination Host Unreachable
From 107.2.63.1 icmp_seq=20 Destination Host Unreachable
From 107.2.63.1 icmp_seq=21 Destination Host Unreachable
From 107.2.63.1 icmp_seq=22 Destination Host Unreachable
From 107.2.63.1 icmp_seq=23 Destination Host Unreachable
From 107.2.63.1 icmp_seq=24 Destination Host Unreachable
From 107.2.63.1 icmp_seq=25 Destination Host Unreachable
From 107.2.63.1 icmp_seq=26 Destination Host Unreachable
From 107.2.63.1 icmp_seq=27 Destination Host Unreachable
From 107.2.63.1 icmp_seq=28 Destination Host Unreachable
```

- `sudo traceroute 8.8.8.8`

```
From 107.2.63.1 icmp_seq=81 Destination Host Unreachable
From 107.2.63.1 icmp_seq=82 Destination Host Unreachable
From 107.2.63.1 icmp_seq=83 Destination Host Unreachable
From 107.2.63.1 icmp_seq=84 Destination Host Unreachable
From 107.2.63.1 icmp_seq=85 Destination Host Unreachable
From 107.2.63.1 icmp_seq=86 Destination Host Unreachable
From 107.2.63.1 icmp_seq=87 Destination Host Unreachable
From 107.2.63.1 icmp_seq=88 Destination Host Unreachable
From 107.2.63.1 icmp_seq=89 Destination Host Unreachable
From 107.2.63.1 icmp_seq=90 Destination Host Unreachable
From 107.2.63.1 icmp_seq=91 Destination Host Unreachable
From 107.2.63.1 icmp_seq=92 Destination Host Unreachable
From 107.2.63.1 icmp_seq=93 Destination Host Unreachable
From 107.2.63.1 icmp_seq=94 Destination Host Unreachable
From 107.2.63.1 icmp_seq=95 Destination Host Unreachable
From 107.2.63.1 icmp_seq=96 Destination Host Unreachable
From 107.2.63.1 icmp_seq=97 Destination Host Unreachable
From 107.2.63.1 icmp_seq=98 Destination Host Unreachable
From 107.2.63.1 icmp_seq=99 Destination Host Unreachable
From 107.2.63.1 icmp_seq=100 Destination Host Unreachable
From 107.2.63.1 icmp_seq=101 Destination Host Unreachable
From 107.2.63.1 icmp_seq=102 Destination Host Unreachable
From 107.2.63.1 icmp_seq=103 Destination Host Unreachable
From 107.2.63.1 icmp_seq=104 Destination Host Unreachable
From 107.2.63.1 icmp_seq=105 Destination Host Unreachable
From 107.2.63.1 icmp_seq=106 Destination Host Unreachable
From 107.2.63.1 icmp_seq=107 Destination Host Unreachable
From 107.2.63.1 icmp_seq=108 Destination Host Unreachable
From 107.2.63.1 icmp_seq=109 Destination Host Unreachable
From 107.2.63.1 icmp_seq=110 Destination Host Unreachable
From 107.2.63.1 icmp_seq=111 Destination Host Unreachable
From 107.2.63.1 icmp_seq=112 Destination Host Unreachable
From 107.2.63.1 icmp_seq=113 Destination Host Unreachable
From 107.2.63.1 icmp_seq=114 Destination Host Unreachable
From 107.2.63.1 icmp_seq=115 Destination Host Unreachable
From 107.2.63.1 icmp_seq=116 Destination Host Unreachable
From 107.2.63.1 icmp_seq=117 Destination Host Unreachable
From 107.2.63.1 icmp_seq=118 Destination Host Unreachable
From 107.2.63.1 icmp_seq=119 Destination Host Unreachable
^Z
[1]+  Stopped                  ping 8.8.8.8
root@debian:/home/debian# sudo traceroute 8.8.8.8
traceroute to 8.8.8.8 (8.8.8.8), 30 hops max, 60 byte packets
 1  107.2.63.1 (107.2.63.1)  14.251 ms  13.512 ms  13.378 ms
 2  107.2.63.1 (107.2.63.1)  13.270 ms !H  13.164 ms !H  13.042 ms !H
root@debian:/home/debian#
```

- sudo apt-get update
- sudo apt-get install telnet

```

From 107.2.63.1 icmp_seq=115 Destination Host Unreachable
From 107.2.63.1 icmp_seq=116 Destination Host Unreachable
From 107.2.63.1 icmp_seq=117 Destination Host Unreachable
From 107.2.63.1 icmp_seq=118 Destination Host Unreachable
From 107.2.63.1 icmp_seq=119 Destination Host Unreachable
^Z
[1]+  Stopped                  ping 8.8.8.8
root@debian:/home/debian# sudo traceroute 8.8.8.8
traceroute to 8.8.8.8 (8.8.8.8), 30 hops max, 60 byte packets
 1  107.2.63.1 (107.2.63.1)  14.251 ms  13.512 ms  13.378 ms
 2  107.2.63.1 (107.2.63.1)  13.270 ms !H  13.164 ms !H  13.042 ms !H
root@debian:/home/debian# sudo apt-get update
Err:1 http://security.debian.org/debian-security bullseye-security InRelease
       Temporary failure resolving 'security.debian.org'
Err:2 http://deb.debian.org/debian bullseye InRelease
       Temporary failure resolving 'deb.debian.org'
Err:3 http://deb.debian.org/debian bullseye-updates InRelease
       Temporary failure resolving 'deb.debian.org'
Err:4 http://deb.debian.org/debian bullseye-backports InRelease
       Temporary failure resolving 'deb.debian.org'
Reading package lists... Done
W: Failed to fetch http://deb.debian.org/debian/dists/bullseye/InRelease Temporary failure resolving 'deb.debian.org'
W: Failed to fetch http://security.debian.org/debian-security/dists/bullseye-security/InRelease Temporary failure resolving 'security.debian.org'
W: Failed to fetch http://deb.debian.org/debian/dists/bullseye-updates/InRelease Temporary failure resolving 'deb.debian.org'
W: Failed to fetch http://deb.debian.org/debian/dists/bullseye-backports/InRelease Temporary failure resolving 'deb.debian.org'
W: Some index files failed to download. They have been ignored, or old ones used instead.
root@debian:/home/debian# sudo apt-get install telnet
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
E: Unable to locate package telnet
root@debian:/home/debian#

```

- Εκτελέστε telnet

```

*Apr  2 20:19:12.139: %LINEPROTO-5-UPDOWN: Line protocol on Interface Ethernet1/3, changed state to up
*Apr  2 20:19:12.647: %SYS-5-CONFIG_I: Configured from memory by console
*Apr  2 20:19:12.807: %LINEPROTO-5-UPDOWN: Line protocol on Interface Loopback0, changed state to up
*Apr  2 20:19:12.811: %LINEPROTO-5-UPDOWN: Line protocol on Interface NVI0, changed state to down
*Apr  2 20:19:12.971: %SYS-5-RESTART: System restarted --
Cisco IOS Software, 7200 Software (C7200-ADVENTERPRISEK9-M), Version 15.3(3)XB12, RELEASE SOFTWARE (fc2
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2013 by Cisco Systems, Inc.
Compiled Tue 19-Nov-13 04:39 by prod_rel_team
*Apr  2 20:19:13.003: %SNMP-5-COLDSTART: SNMP agent on host 1070263 is undergoing a cold start
*Apr  2 20:19:13.127: %CRYPTO-6-ISAKMP_ON_OFF: ISAKMP is OFF
*Apr  2 20:19:13.135: %CRYPTO-6-GDOI_ON_OFF: GDOI is OFF
*Apr  2 20:19:14.427: %LINK-5-CHANGED: Interface Ethernet1/1, changed state to administratively down
*Apr  2 20:19:14.515: %LINK-5-CHANGED: Interface Ethernet1/2, changed state to administratively down
*Apr  2 20:19:14.571: %LINK-5-CHANGED: Interface Ethernet1/3, changed state to administratively down
*Apr  2 20:19:14.655: %LINK-5-CHANGED: Interface NVI0, changed state to administratively down
*Apr  2 20:19:15.427: %LINEPROTO-5-UPDOWN: Line protocol on Interface Ethernet1/1, changed state to down
*Apr  2 20:19:15.515: %LINEPROTO-5-UPDOWN: Line protocol on Interface Ethernet1/2, changed state to down
*Apr  2 20:19:15.571: %LINEPROTO-5-UPDOWN: Line protocol on Interface Ethernet1/3, changed state to down

User Access Verification

Password:
1070263#ip a
^
% Invalid input detected at '^' marker.

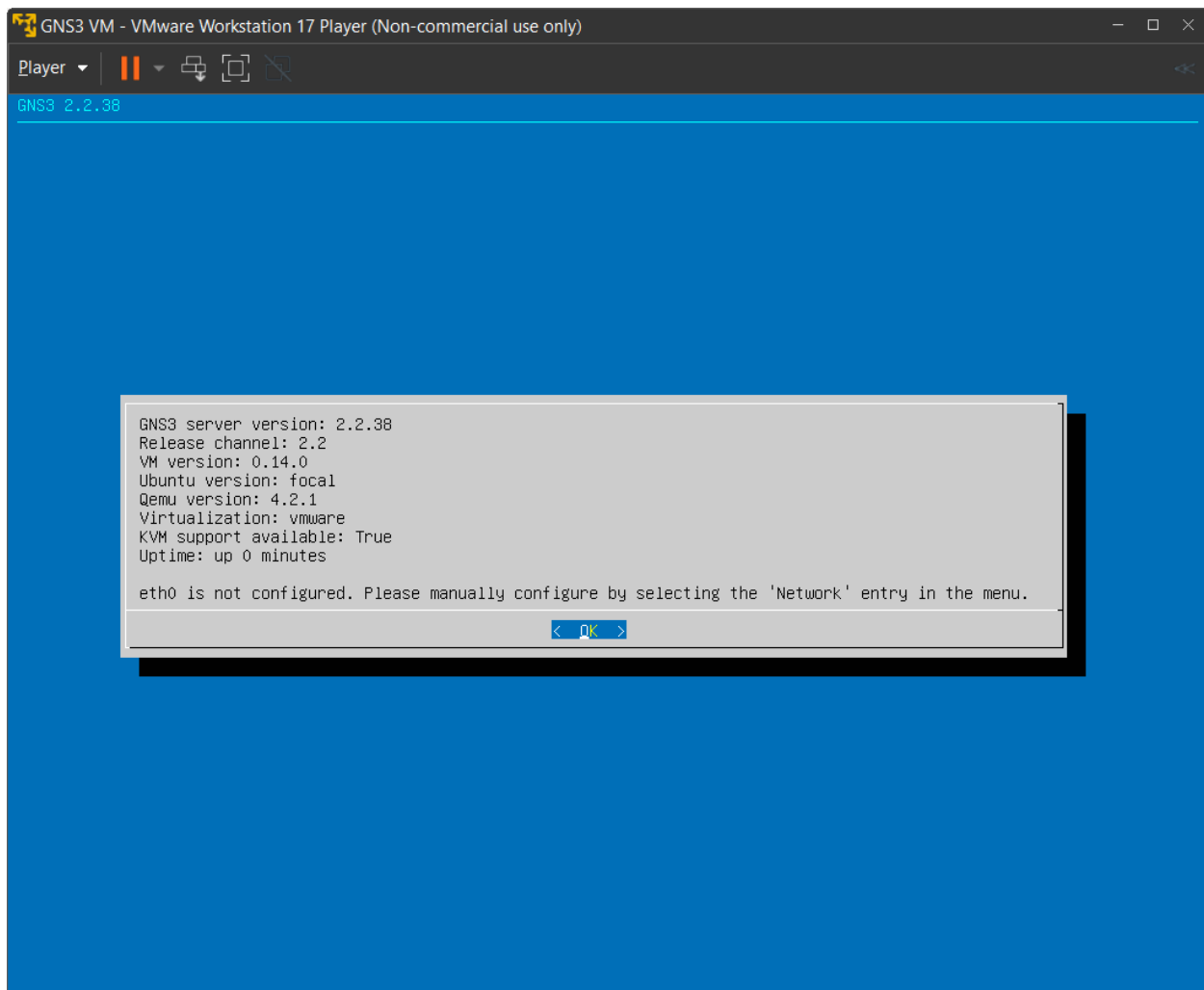
1070263#telnet 107.02.63.1
Trying 107.2.63.1 ... Open

User Access Verification

Username: 1070263
Password:
1070263#

```

Το ping 8.8.8.8 δεν δουλεύει πιθανότατα λόγω του eth0



Ψάχνω τρόπους λύσεις 3 ημέρες τώρα και έχω δοκιμάσει τα πάντα από το user community <https://gns3.com/community/featured/gns3-vm-error-eth0-is-not-config>

Και από πολλά βίντεο στο youtube αλλά δεν κατάφερα να το λύσω.

Ίσως δουλέψει καλύτερα σε εσάς.

Ευχαριστώ για τον χρόνο σας !