禪

[illegible]

[illegible] (Network+) [illegible] IPv4، NAT، SNAT، DNAT [illegible] (18 [illegible])

[illegible]

[illegible] **(Network+)** [illegible]

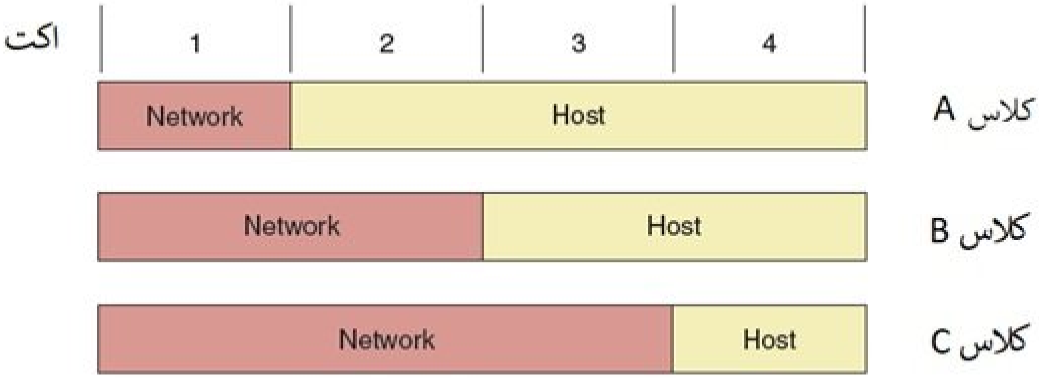
[illegible] IPv4

[illegible] IPv4 [illegible] D، C، B، A و E [illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]
A	x.y.z to 126.x.y.z.1	126	16 [illegible]
B	x.y to 191.255.x.y.128.0	16,000	65,000
C	x to.192.0.0 223.255.255.x	2 [illegible]	254

x، y [illegible] z [illegible]. [illegible] B ،A [illegible] C [illegible].



بخش شبکه و بخش میزبان برای هر کلاس آدرس IP

[illegible]: [illegible]

[illegible] B ،A [illegible] C [illegible]

- 10.0.0.0 through 10.255.255.255
- 172.16.0.0 through 172.31.255.255
- 192.168.0.0 through 192.168.255.255

[illegible] E [illegible] D [illegible] D [illegible] 224 [illegible] 239 [illegible] (multicast) [illegible] E [illegible] 240 [illegible] 254 [illegible] TCP/IP [illegible]

[illegible]	[illegible]

[illegible] TCP/IP [illegible] (broadcast) [illegible].	255.255.255.255
[illegible].	255.255.255.255
[illegible] loopback [illegible].	127.0.0.1 through 127.255.255.254
[illegible] (APIPA) [illegible] DHCP [illegible] IPv4 [illegible] DHCP [illegible].	169.254.0.1 through 169.254.255.254

[illegible]: [illegible] (broadcast domain) [illegible].

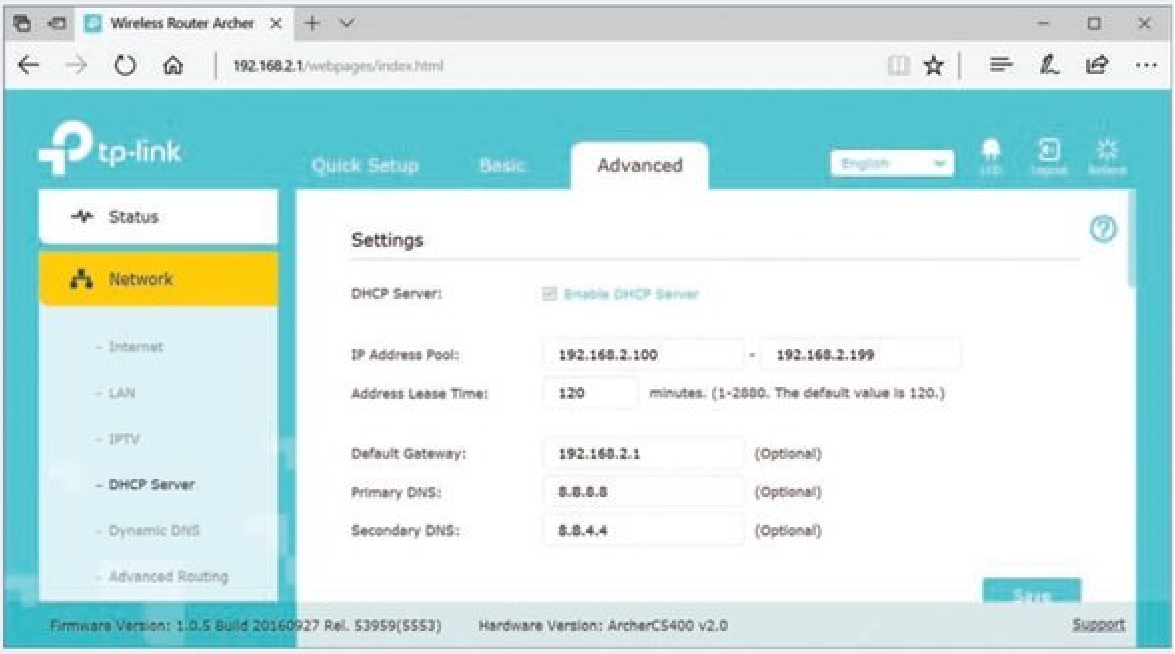
[illegible]: [illegible] APIPA [illegible].

[illegible] (DHCP)

[illegible].

[illegible]

[illegible] DHCP [illegible] (DHCP scope) [illegible] DHCP [illegible] DHCP [illegible] 192.168.2.100 [illegible] 192.68.2.199 [illegible] DHCP [illegible].



Settings

DHCP Server: ☑ Enable DHCP Server

IP Address Pool: 192.168.2.100 - 192.168.2.199

Address Lease Time: 120 minutes. (1-2880. The default value is 120.)

Default Gateway: 192.168.2.1 (Optional)

Primary DNS: 8.8.8.8 (Optional)

Secondary DNS: 8.8.4.4 (Optional)

Firmware Version: 1.0.5 Build 20160927 Rel. 53959(5553) Hardware Version: ArcherC5400 v2.0

تنظیم محدوده ای از آدرس های آی پی روی یک سرور پروتکل پیکربندی پویای میزبان

Source: TP-Link Technologies Co., Ltd.

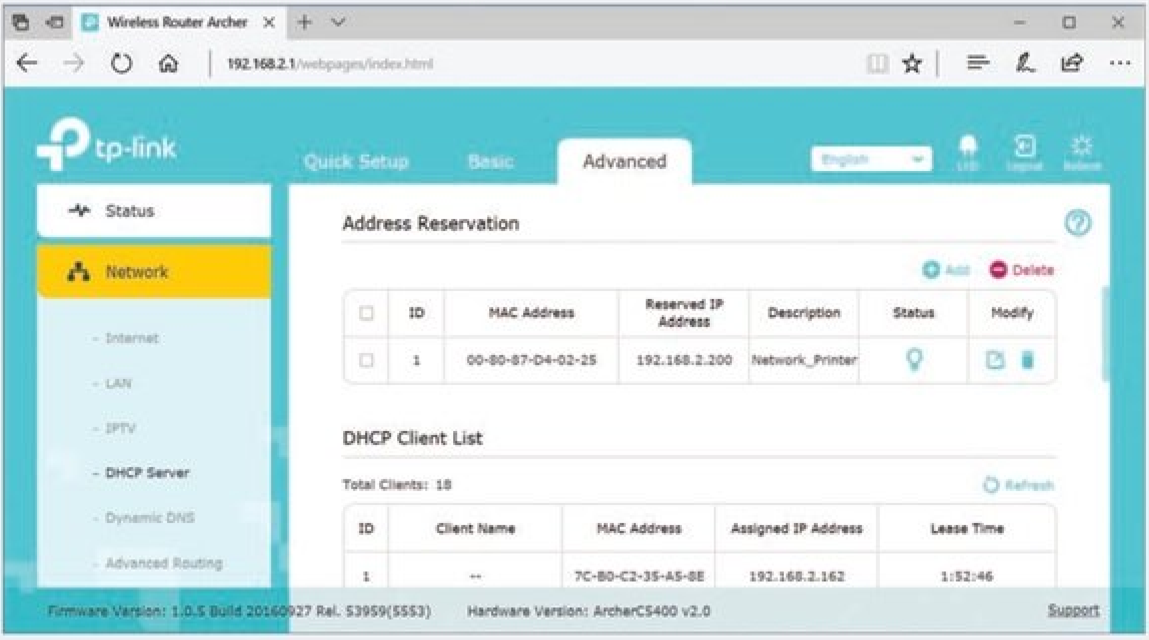
[illegible]:

[illegible].

[illegible]

[illegible]

[illegible] DHCP [illegible]. [illegible] DHCP [illegible] DHCP [illegible] MAC، [illegible]. [illegible]. [illegible] TP-Lick SOHO [illegible] 192.168.2.200 [illegible].



Address Reservation

☐	ID	MAC Address	Reserved IP Address	Description	Status	Modify
☐	1	00-80-87-D4-02-25	192.168.2.200	Network_Printer		

DHCP Client List

Total Clients: 18

ID	Client Name	MAC Address	Assigned IP Address	Lease Time
1	--	7C-B0-C2-35-A5-8E	192.168.2.162	1:52:46

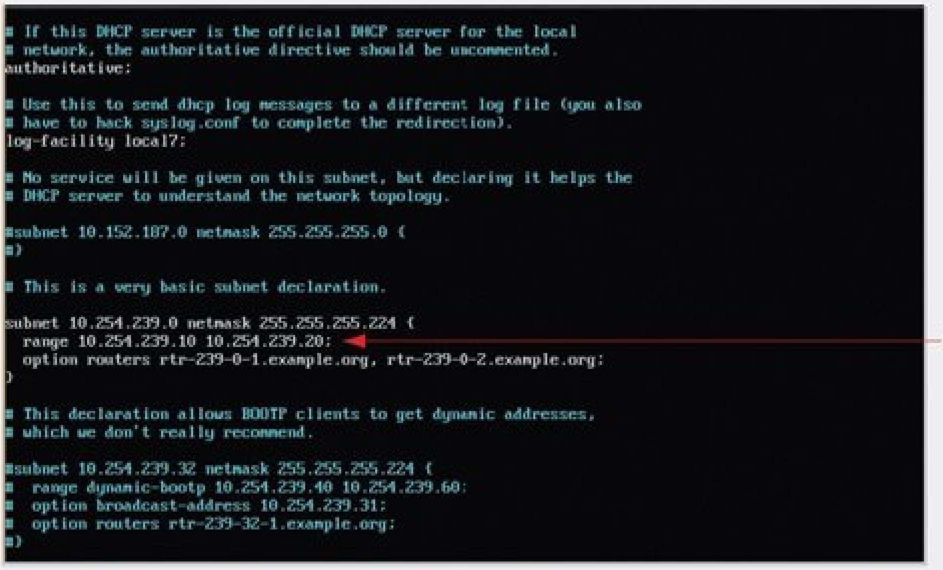
Firmware Version: 1.0.5 Build 20160927 Rel. 53959(5553) Hardware Version: ArcherC5400 v2.0

یک آدرس آی پی رزرو شده برای یک یا چند کلاینت شبکه، همچون یک چاپگر شبکه

Source: TP-Link Technologies Co., Ltd.

[illegible]: [illegible]/[illegible] [illegible]. [illegible] DHCP [illegible] DHCP [illegible]. [illegible] DHCP [illegible].

[illegible] DHCP [illegible]. [illegible] DHCP [illegible] dhcpd.conf [illegible] / dhcp / etc [illegible]. [illegible] vim [illegible].



```
# If this DHCP server is the official DHCP server for the local
# network, the authoritative directive should be uncommented.
authoritative;

# Use this to send dhcp log messages to a different log file (you also
# have to hack syslog.conf to complete the redirection).
log-facility local7;

# No service will be given on this subnet, but declaring it helps the
# DHCP server to understand the network topology.

#subnet 10.152.187.0 netmask 255.255.255.0 {
#}

# This is a very basic subnet declaration.

subnet 10.254.239.0 netmask 255.255.255.224 {
  range 10.254.239.10 10.254.239.20;
  option routers rtr-239-0-1.example.org, rtr-239-0-2.example.org;
}

# This declaration allows BOOTP clients to get dynamic addresses,
# which we don't really recommend.

#subnet 10.254.239.32 netmask 255.255.255.224 {
#  range dynamic-bootp 10.254.239.40 10.254.239.60;
#  option broadcast-address 10.254.239.31;
#  option routers rtr-239-32-1.example.org;
#}
```

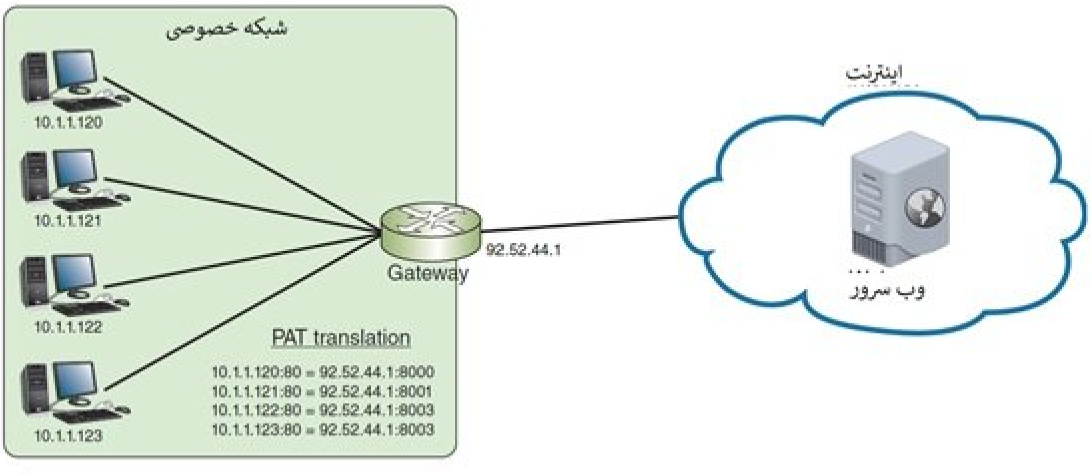
با ویرایش یک فایل متنی در لینوکس شما قادر به تنظیم محدوده آدرس های آی پی برای سرور DHCP هستید

[illegible] # [illegible]. [illegible] 10.254.239.10 [illegible] 10.254.239.20 [illegible] 11 [illegible].. DHCP [illegible] IPv4 [illegible] 67 [illegible]

[illegible] DHCPv4 [illegible] 68 [illegible]. [illegible] DHCP [illegible] IPv6 [illegible] DHCPv6 [illegible] DHCP [illegible] 546 [illegible] 547 [illegible].

[illegible]/[illegible] [illegible]

[illegible] (NAT) [illegible] Network Address Translation [illegible]. [illegible] TCP/UDP [illegible]. [illegible]. [illegible]. [illegible]. [illegible] NAT [illegible]. [illegible]. [illegible] (PAT) [illegible] Port Address Translation [illegible] TCP [illegible]. [illegible]. [illegible] PAT [illegible].



برگردان نشانی درگاه Port Address Translation(PAT)

[illegible]. [illegible]:

[illegible]/[illegible] [illegible] (SNAT) [illegible] Static Network Address Translation or Source Network

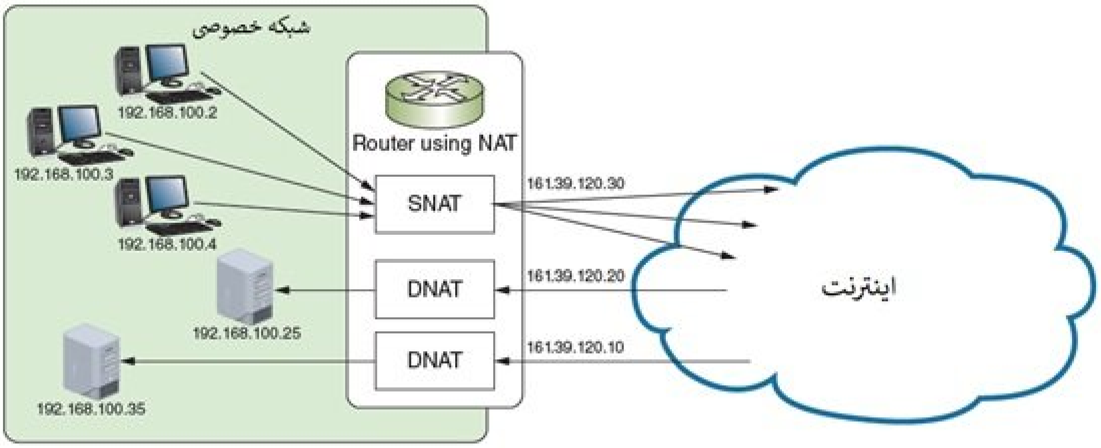
[illegible]. [illegible] ISP [illegible] SNAT [illegible].

[illegible] (DNAT) [illegible] Destination Network Address Translation

[illegible]

[illegible]. [illegible] DNAT [illegible]. [illegible].

[illegible] SNAT [illegible] DNAT [illegible].



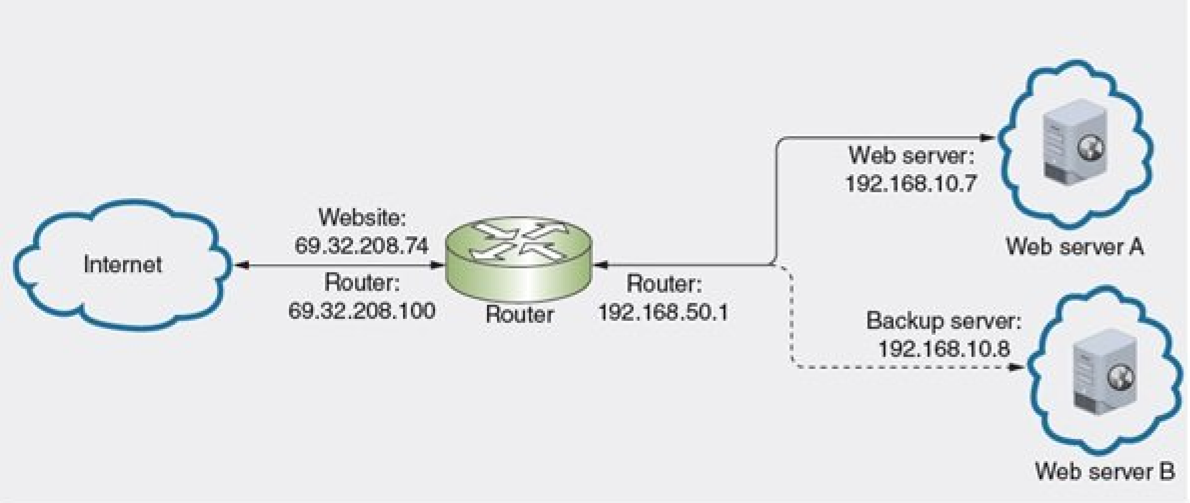
SNAT برای پیام های خروجی و DNAT برای پیام های وارد شونده

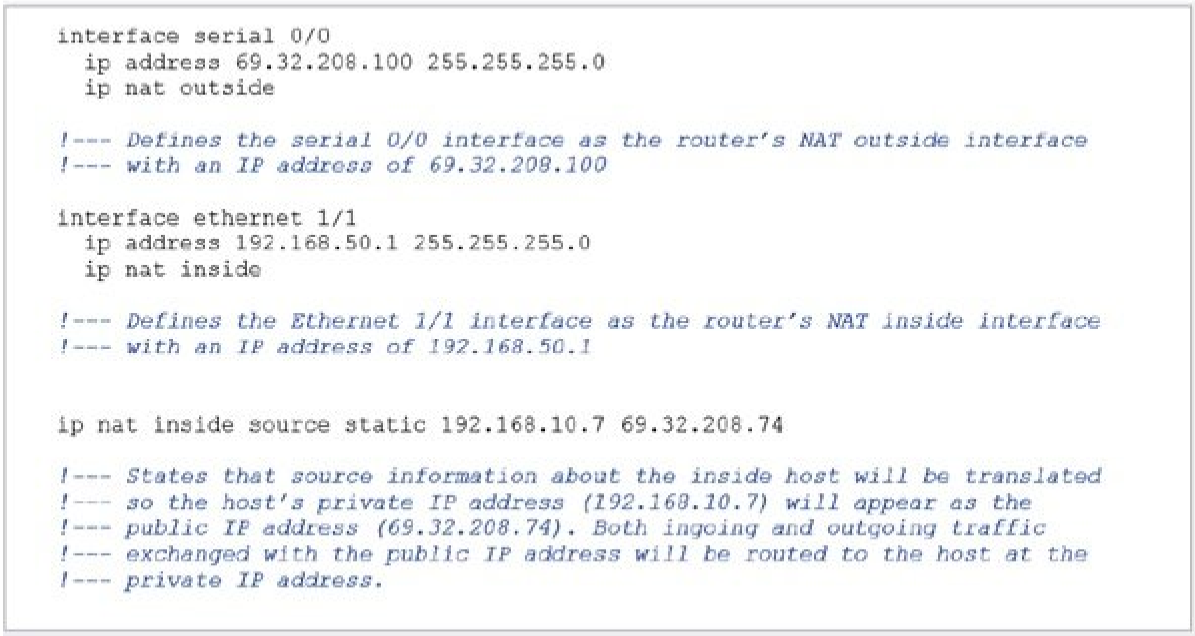
SNAT [illegible] ([illegible]) [illegible].

DNAT [illegible] DNAT. [illegible]. [illegible]. DNAT [illegible].

[illegible] NAT

[illegible] NAT [illegible]. [illegible]. [illegible] NAT [illegible] NAT [illegible]. [illegible]. [illegible] 69.32.208.74 [illegible]. [illegible] DNAT [illegible]. [illegible] DNAT [illegible] 192.168.10.7 [illegible]. [illegible].





```
interface serial 0/0
  ip address 69.32.208.100 255.255.255.0
  ip nat outside

!--- Defines the serial 0/0 interface as the router's NAT outside interface
!--- with an IP address of 69.32.208.100

interface ethernet 1/1
  ip address 192.168.50.1 255.255.255.0
  ip nat inside

!--- Defines the Ethernet 1/1 interface as the router's NAT inside interface
!--- with an IP address of 192.168.50.1


ip nat inside source static 192.168.10.7 69.32.208.74

!--- States that source information about the inside host will be translated
!--- so the host's private IP address (192.168.10.7) will appear as the
!--- public IP address (69.32.208.74). Both ingoing and outgoing traffic
!--- exchanged with the public IP address will be routed to the host at the
!--- private IP address.
```

[illegible] 69.32.208.7 [illegible] 192.168.10.7 [illegible].

[illegible]/[illegible]:

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] IPv6 [illegible].

[illegible].

[illegible] (Network+)

معرفی آموزشگاه‌های معتبر دوره نتورک پلاس در سراسر کشور

[illegible] ([illegible]): [illegible]
[illegible]
[illegible]: 02188735845 [illegible]: @Asrehshabakeh

[illegible] ([illegible]): [illegible]
[illegible]: 01333241269 [illegible]: @HivaShabake

[illegible]:
[illegible]
[illegible]:
[illegible]
[illegible]:
09:35 - 24/11/1397
[illegible]:
[illegible] - [illegible] - Network+ [illegible] - Network+ - [illegible] - Networkx+ [illegible]

[illegible]
[illegible]: https://www.shabakeh-mag.com/networking-technology/14622/%D8%A2%D9%85%D9%88%D8%B2%D8%B4-%D8%B1%D8%A7%DB%8C%DA%AF%D8%A7%D9%86-%D8%AF%D9%88%D8%B1%D9%87-%D9%86%D8%AA%D9%88%D8%B1%DA%A9%E2%80%8C%D9%BE%D9%84%D8%A7%D8%B3-network-%D8%A2%D8%B4%D9%86%D8%A7%DB%8C%DB%8C-%D8%A8%D8%A7-%D8%A2%D8%AF%D8%B1%D8%B3%E2%80%8C%D9%87%D8%A7%DB%8C-ipv4%D8%8C-nat%D8%8Csnat%D8%8C