

Họ và tên : Nhữ Đình Đức

Mã sinh viên : 211202522

Đề số 4

Bài 1 : 4đ

```
root@ndduc:~  
File Edit View Search Terminal Help  
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default  
    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: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP g  
    link/ether 00:0c:29:59:67:a0 brd ff:ff:ff:ff:ff:ff  
    inet 172.16.1.100/24 brd 172.16.1.255 scope global noprefixroute dynamic ens  
33  
    valid_lft 573sec preferred_lft 573sec  
    inet6 fe80::b809:4b49:260a:307d/64 scope link noprefixroute  
    valid_lft forever preferred_lft forever  
3: virbr0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN  
    group default qlen 1000  
    link/ether 52:54:00:92:68:bf brd ff:ff:ff:ff:ff:ff  
    inet 192.168.122.1/24 brd 192.168.122.255 scope global virbr0  
    valid_lft forever preferred_lft forever  
4: virbr0-nic: <BROADCAST,MULTICAST> mtu 1500 qdisc pfifo_fast master virbr0 sta  
    te DOWN group default qlen 1000  
    link/ether 52:54:00:92:68:bf brd ff:ff:ff:ff:ff:ff  
[root@ndduc ~]#
```

```
[root@ndduc ~]# systemctl enable dhcrelay  
[root@ndduc ~]# systemctl --system daemon-reload  
[root@ndduc ~]# systemctl --system daemon-reexec  
[root@ndduc ~]# systemctl force-reload dhcrelay.service  
[root@ndduc ~]# systemctl restart dhcrelay.service  
[root@ndduc ~]# systemctl status dhcrelay.service  
● dhcrelay.service - DHCP Relay Agent Daemon  
   Loaded: loaded (/usr/lib/systemd/system/dhcrelay.service; enabled; vendor pre  
   set: disabled)  
   Active: active (running) since Sun 2024-05-26 20:40:24 EDT; 4s ago  
     Docs: man:dhcrelay(8)  
  Main PID: 4485 (dhcrelay)  
    Status: "Dispatching packets..."  
     Tasks: 1  
   CGroup: /system.slice/dhcrelay.service  
           └─4485 /usr/sbin/dhcrelay -d --no-pid 172.16.1.2  
  
May 26 20:40:24 ndduc dhcrelay[4485]: Sending on   LPF/virbr0/52:54:00:92:68:bf  
May 26 20:40:24 ndduc dhcrelay[4485]: Listening on LPF/ens33/00:0c:29:7e:4f:b0  
May 26 20:40:24 ndduc dhcrelay[4485]: Listening on LPF/ens33/00:0c:29:7e:4f:b0  
May 26 20:40:24 ndduc dhcrelay[4485]: Sending on   LPF/ens33/00:0c:29:7e:4f:b0  
May 26 20:40:24 ndduc dhcrelay[4485]: Sending on   Socket/fallback
```

```
root@ndduc:~  
File Edit View Search Terminal Help  
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: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000  
    link/ether 00:0c:29:26:ea:7c brd ff:ff:ff:ff:ff:ff  
    inet 10.10.10.100/24 brd 10.10.10.255 scope global noprefixroute dynamic ens33  
        valid_lft 569sec preferred_lft 569sec  
    inet6 fe80::8ead:9b72:84a6:d2fe/64 scope link noprefixroute  
        valid_lft forever preferred_lft forever  
3: virbr0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default qlen 1000  
    link/ether 52:54:00:92:68:bf brd ff:ff:ff:ff:ff:ff  
    inet 192.168.122.1/24 brd 192.168.122.255 scope global virbr0  
        valid_lft forever preferred_lft forever  
4: virbr0-nic: <BROADCAST,MULTICAST> mtu 1500 qdisc pfifo_fast master virbr0 state DOWN group default qlen 1000  
    link/ether 52:54:00:92:68:bf brd ff:ff:ff:ff:ff:ff  
[root@ndduc ~]#
```

```
hardware ethernet 00:0c:29:26:ea:7c;  
client-hostname "ndduc";  
}  
lease 10.10.10.100 {  
    starts 1 2024/05/27 00:44:43;  
    ends 1 2024/05/27 00:54:43;  
    cltt 1 2024/05/27 00:44:43;  
    binding state active;  
    next binding state free;  
    rewind binding state free;  
    hardware ethernet 00:0c:29:26:ea:7c;  
    client-hostname "ndduc";  
}  
lease 172.16.1.100 {  
    starts 1 2024/05/27 00:45:57;  
    ends 1 2024/05/27 00:55:57;  
    cltt 1 2024/05/27 00:45:57;  
    binding state active;  
    next binding state free;  
    rewind binding state free;  
    hardware ethernet 00:0c:29:59:67:a0;  
    client-hostname "ndduc";  
}  
[root@ndduc ~]#
```

Bài 2,3 :

Cancel

wired

Apply

Details

Identity

IPv4

IPv6

Security

IPv4 Method

☐ Automatic (DHCP)

☐ Link-Local Only

☒ Manual

☐ Disable

Addresses

Address	Netmask	Gateway	
172.16.1.2	255.255.255.0	172.16.1.1	✕
			✕

DNS

Automatic

ON

172.16.1.2

Separate IP addresses with commas

Routes

Automatic

ON

Address	Netmask	Gateway	Metric
---------	---------	---------	--------

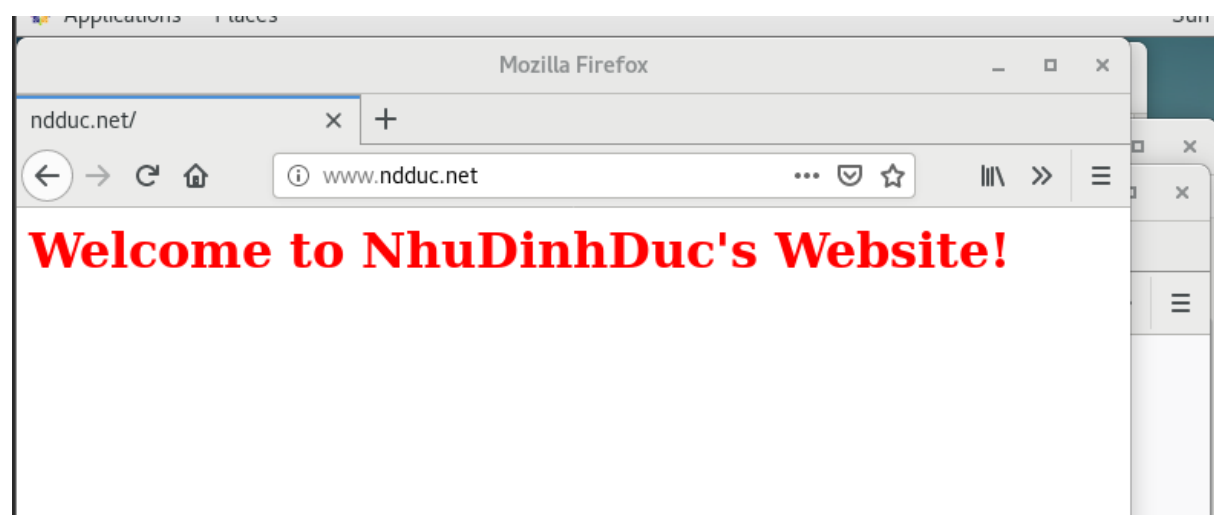
```
Other Lo session-keyfile "/run/named/session.key";
};

zone "ndduc.net" IN {
type master;
file "ndduc.net.dns";
};

zone "172.16.1.in-addr.arpa" IN {
type master;
file "172.16.1.dns";
};
```

```
dovecot.com x httpd.com x named.conf x ndduc.net.dns x 172.16.1.dns x
$TTL 86400
@ IN SOA ns.ndduc.net. root.ndduc.net. (
    1
    2
    3
    4
    5 )
    IN NS ns.ndduc.net.
    IN MX 10 mail.ndduc.net.
ns    IN A 172.16.1.2
www   IN A 172.16.1.2
mail  IN A 172.16.1.2
Lc
```

```
Open ▾ [icon] 172.16.1.dns /var/named Save [icon] [icon]
$TTL 86400
@ IN SOA ns.ndduc.net. root.ndduc.net. (
    1
    2
    3
    4
    5 )
    IN NS ns.ndduc.net.
    IN PTR mail.ndduc.net.
```



```

# of listing the patterns here. Specify type:table for table-based
lookups
# (the value on the table right-hand side is not used).
#
mynetworks = 172.16.1.0/24, 127.0.0.0/8
#mynetworks = $config_directory/mynetworks
#mynetworks = hash:/etc/postfix/network_table

# The relay_domains parameter restricts what destinations this system
will
# relay mail to. See the smtpd_recipient_restrictions description in
# postconf(5) for detailed information.
#
# By default, Postfix relays mail
# - from "trusted" clients (IP address matches $mynetworks) to any
destination,
# - from "untrusted" clients to destinations that match $relay_domains or
# subdomains thereof, except addresses with sender-specified routing.
# The default relay_domains value is $mydestination

```

named.conf x lab.com.dns x 172.16.1.dns x index.html x main.cf x

```

$TTL 86400
@ IN SOA ns.lab.com. root.lab.com. (
    1
    2
    3
    4
    5 )
    IN NS ns.lab.com.
    IN MX 10 mail.lab.com.
ns      IN A 172.16.1.4
www     IN A 172.16.1.4
mail    IN A 172.16.1.4

```

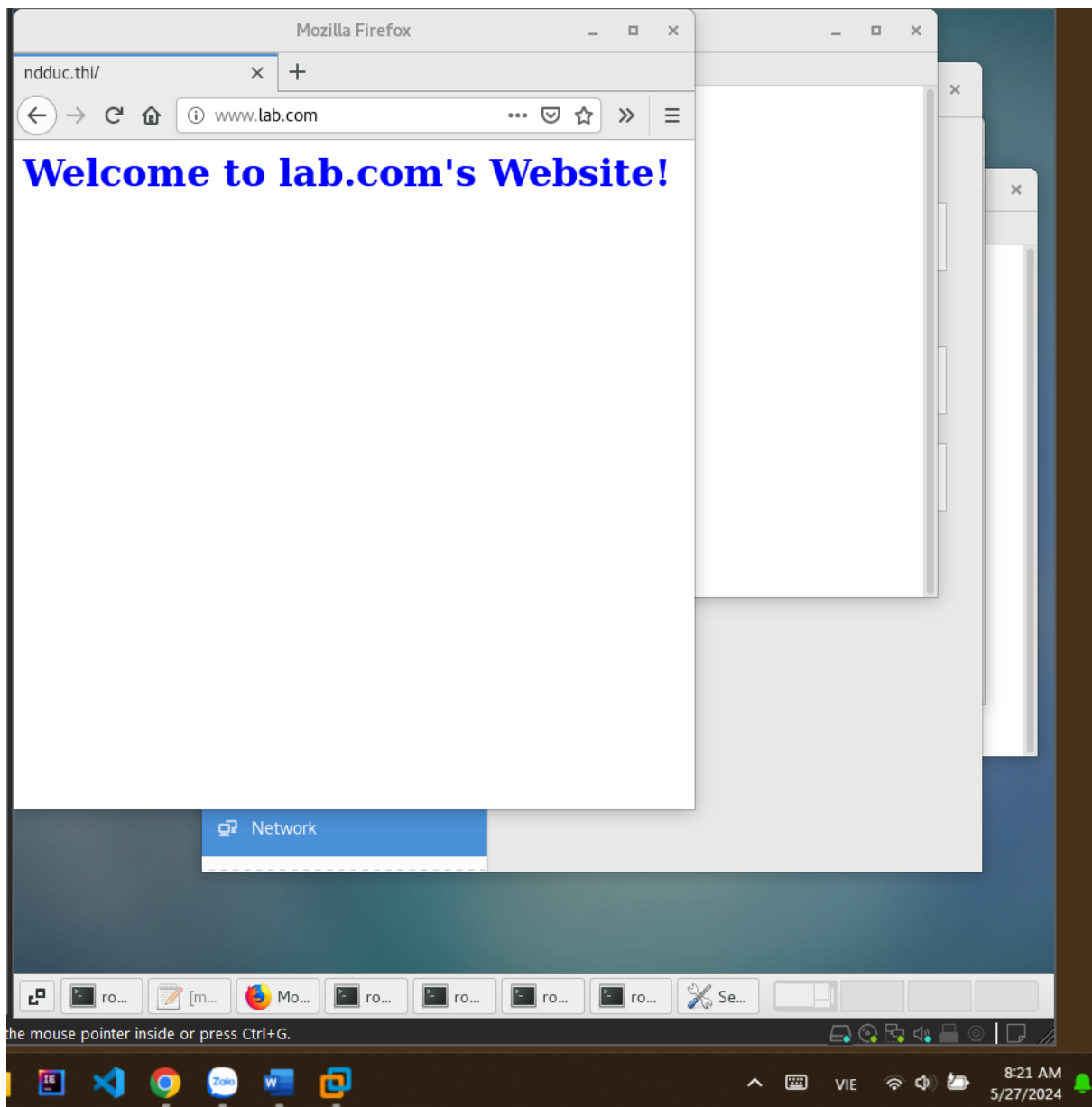
```

    };
    session-keyfile "/run/named/session.key";
};

zone "lab.com" IN {
    type master;
    file "lab.com.dns";
};

zone "172.16.1.in-addr.arpa" IN {
    type master;
    file "172.16.1.dns";
};

```



```
File Edit View Search Terminal Help
qtm.vn.dns
/var/named
named.conf x main.conf x index.html x qtm.vn.dns x lab.com.dr
TTL 86400
@ IN SOA ns.qtm.vn. root.qtm.vn. (
    1
    2
    3
    4
    5 )
    IN NS ns.qtm.vn.
    IN MX 10 mail.qtm.vn.
ns    IN A 172.16.1.3
www   IN A 172.16.1.3
mail  IN A 172.16.1.3
```

```
named.conf x main.conf x index.html x qtm.vn.dns x lab.com.dns x
TTL 86400
@ IN SOA ns.lab.com. root.lab.com. (
    1
    2
    3
    4
    5 )
    IN NS ns.lab.com.
    IN MX 10 mail.lab.com.
ns    IN A 172.16.1.4
www   IN A 172.16.1.4
mail  IN A 172.16.1.4
```

```
File Edit View Search Terminal Help
index.html
/var/www/html
named.conf x main.conf x index.html x qtm.vn.dns x lab.com.dns x
<html>
<body>
<h1 align=center style=color:green>Welcome to qtm.vn's Website!</h1>
</body>
</html>
```

```

[rc
[rc
    pid-file "/run/named/named.pid";
    session-keyfile "/run/named/session.key";
Red};
[rc
baszone "qtm.vn" IN {
Sintype master;
[rofile "qtm.vn.dns";
;; };

[rozone "ndduc.net" IN {
    type master;
    file "ndduc.net.dns";
};

zone "lab.com" IN {
    type master;
    file "lab.com.dns";
};

```