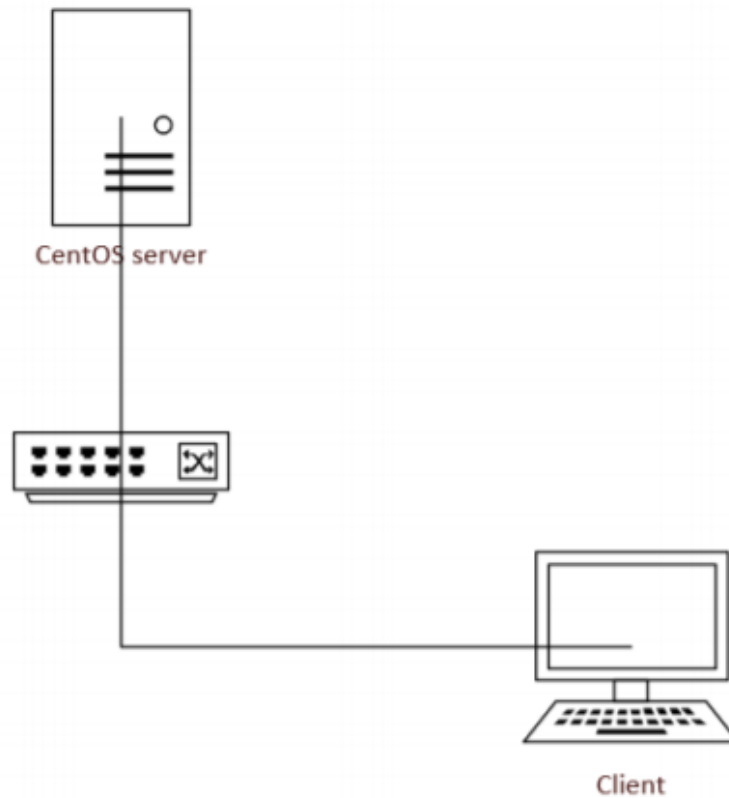


Quản trị mạng: Bài tập Thực hành Tuần 7

PHAN ĐỒNG THIÊN LONG – DCT1185

Bài tập

Cho mô hình sau:



Trên CentOS server hãy đặt địa chỉ IP 192.168.1.1/24. Hãy cài đặt DNS và DHCP trên CentOS 7.

Máy client hãy dùng win7. Thực hiện join máy client vào domain.

- Cài đặt DNS

```
//
// named.conf
//
// Provided by Red Hat bind package to configure the ISC BIND named(8) DNS
// server as a caching only nameserver (as a localhost DNS resolver only).
//
// See /usr/share/doc/bind*/sample/ for example named configuration files.
//
// See the BIND Administrator's Reference Manual (ARM) for details about the
// configuration located in /usr/share/doc/bind-{version}/Bv9ARM.html

options {
    listen-on port 53 { 127.0.0.1;192.168.1.10; };
    #listen-on-v6 port 53 { ::1; };
    directory      "/var/named";
    dump-file       "/var/named/data/cache_dump.db";
    statistics-file "/var/named/data/named_stats.txt";
    memstatistics-file "/var/named/data/named_mem_stats.txt";
    recursing-file  "/var/named/data/named.recursing";
    secroots-file   "/var/named/data/named.secroots";
    allow-query     { localhost;192.168.1.0/24; };
    forwarders      { 192.168.1.1; };

    /*
     - If you are building an AUTHORITATIVE DNS server, do NOT enable recursion.
     - If you are building a RECURSIVE (caching) DNS server, you need to enable
       recursion.
     - If your recursive DNS server has a public IP address, you MUST enable access
       control to limit queries to your legitimate users. Failing to do so will
       cause your server to become part of large scale DNS amplification
       attacks. Implementing BCP38 within your network would greatly
       reduce such attack surface
    */
    recursion yes;

    dnssec-enable no;
```

long@dns:/home/long

File Edit View Search Terminal Help

GNU nano 2.3.1

File: /etc/named.conf

```
/* Path to ISC DLV key */
bindkeys-file "/etc/named.root.key";

managed-keys-directory "/var/named/dynamic";

pid-file "/run/named/named.pid";
session-keyfile "/run/named/session.key";

};

logging {
    channel default_debug {
        file "data/named.run";
        severity dynamic;
    };
};

zone "." IN {
    type hint;
    file "named.ca";
};

zone "dns.tech.vn" IN {
    type master;
    file "forward.dns.sgu.edu.vn";
    allow-update { 192.168.1.0/24; };
};

zone "1.168.192.in-addr.arpa" IN {
    type master;
    file "reverse.dns.tech.vn";
    allow-update { 192.168.1.0/24; };
};

zone "sgu.edu.vn" IN {
    type master;
    file "forward.sgu.edu.vn";
    allow-update { 192.168.1.0/24; };
};

zone "1.1.168.192.in-addr.arpa" IN {
    type master;
```

 Get Help
 Exit

 WriteOut
 Justify

 Read File
 Where Is

 Prev Page
 Next Page

 Cut Text
 UnCut Text

 Cur Pos
 To Spell

```
long@dns:/home/long
File Edit View Search Terminal Help
GNU nano 2.3.1 File: /etc/named.conf

};
zone "dns.tech.vn" IN {
    type master;
    file "forward.dns.sgu.edu.vn";
    allow-update { 192.168.1.0/24; };
};
zone "1.168.192.in-addr.arpa" IN {
    type master;
    file "reverse.dns.tech.vn";
    allow-update { 192.168.1.0/24; };
};
zone "sgu.edu.vn" IN {
    type master;
    file "forward.sgu.edu.vn";
    allow-update { 192.168.1.0/24; };
};
zone "1.1.168.192.in-addr.arpa" IN {
    type master;
    file "reverse.sgu.edu.vn";
    allow-update { 192.168.1.0/24; };
};
include "/etc/named.rfc1912.zones";
include "/etc/named.root.key";

⌘ Get Help      ⌘ WriteOut     ⌘ Read File    ⌘ Prev Page    ⌘ Cut Text
⌘ Exit          ⌘ Justify      ⌘ Where Is     ⌘ Next Page    ⌘ UnCut Text
                  ⌘ Cur Pos     ⌘ To Spell
```

- Cài đặt DHCP

```
long@dns:/home/long
File Edit View Search Terminal Help
GNU nano 2.3.1 File: /etc/dhcp/dhcpd.conf Modified

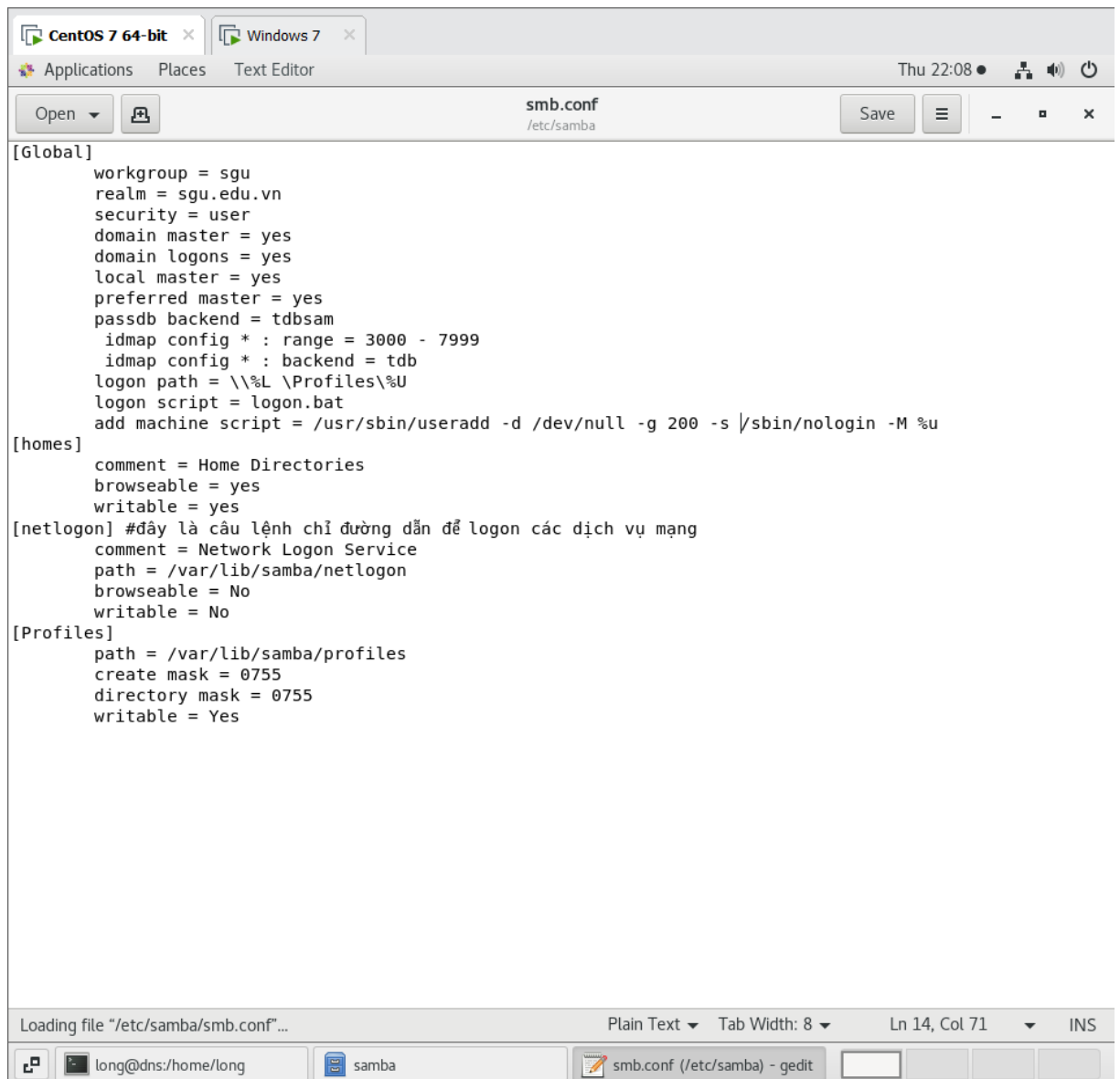
option domain-name "sgu.edu.vn";
option domain-name-servers server.sgu.edu.vn;
default-lease-time 600;
max-lease-time 7200;
lease-file-name "/var/lib/dhcpd/dhcpd.leases";
authoritative;
log-facility local7;

subnet 192.168.1.0 netmask 255.255.255.0 {
    range 192.168.1.10 192.168.1.150;
    option domain-name-servers server.sgu.edu.vn;
    option domain-name "sgu.edu.vn";
    default-lease-time 3600;
    max-lease-time 7200;
    option subnet-mask 255.255.255.0;
    option routers 192.168.1.250;
    option broadcast-address 192.168.1.255;
    option domain-name-servers 192.168.1.10;
}

host PC {
    hardware ethernet 00:0c:29:45:1f:9e;
    fixed-address 192.168.1.100;
}

allow bootp;
ignore client-updates;
deny leasequery;
```

- Cấu hình smb.conf



The screenshot shows a CentOS 7 64-bit terminal window with a text editor open to the file `smb.conf` located at `/etc/samba`. The editor's title bar includes tabs for 'CentOS 7 64-bit' and 'Windows 7', and a menu bar with 'Applications', 'Places', and 'Text Editor'. The status bar at the top right shows the time 'Thu 22:08' and system icons. The editor's toolbar has an 'Open' button, a file icon, a 'Save' button, and window control buttons. The main text area contains the following configuration:

```
[Global]
workgroup = sgu
realm = sgu.edu.vn
security = user
domain master = yes
domain logons = yes
local master = yes
preferred master = yes
passdb backend = tdbsam
idmap config * : range = 3000 - 7999
idmap config * : backend = tdb
logon path = \\%L \Profiles\%U
logon script = logon.bat
add machine script = /usr/sbin/useradd -d /dev/null -g 200 -s /sbin/nologin -M %u

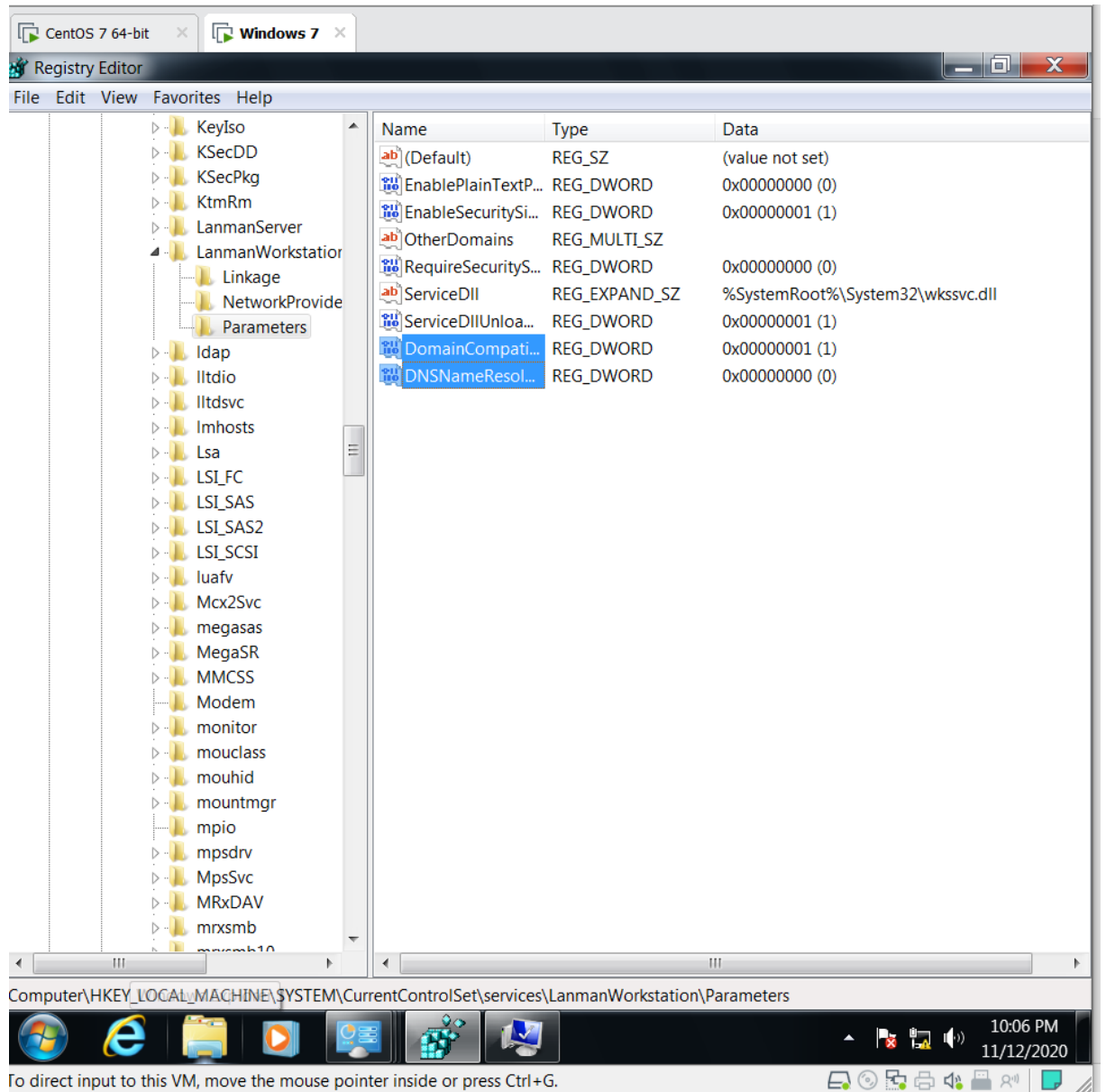
[homes]
comment = Home Directories
browseable = yes
writable = yes

[netlogon] #đây là câu lệnh chỉ đường dẫn để logon các dịch vụ mạng
comment = Network Logon Service
path = /var/lib/samba/netlogon
browseable = No
writable = No

[Profiles]
path = /var/lib/samba/profiles
create mask = 0755
directory mask = 0755
writable = Yes
```

The status bar at the bottom of the editor shows 'Loading file "/etc/samba/smb.conf"...', 'Plain Text', 'Tab Width: 8', 'Ln 14, Col 71', and 'INS'. The taskbar at the very bottom shows three open windows: a terminal window with the prompt `long@dns:/home/long`, a file manager window titled 'samba', and the current text editor window titled 'smb.conf (/etc/samba) - gedit'.

- Tạo 2 giá trị DWORD



- **Kết quả**

