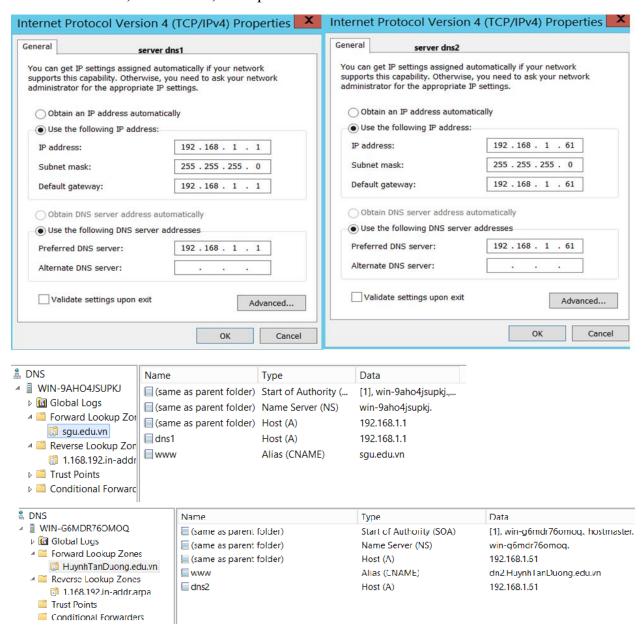
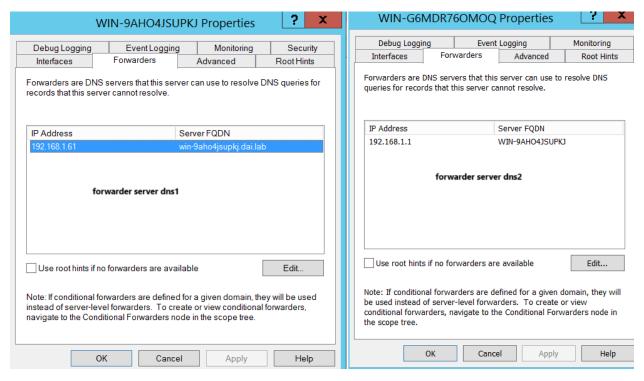
Thực hiện cấu hình DNS server Huỳnh Tấn Dương 3122410061

Hoàn thành 3/3

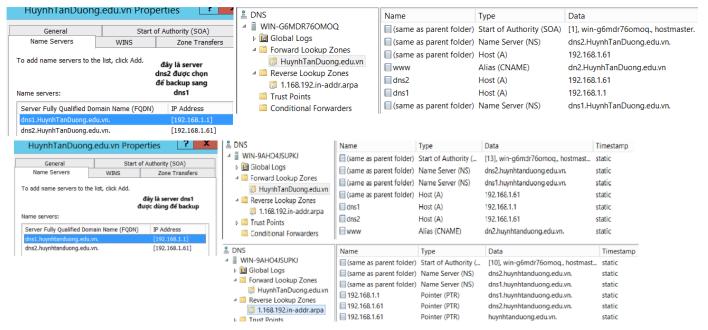
1/Cấu hình DNS, Forwarder ,backup trên Windows Server



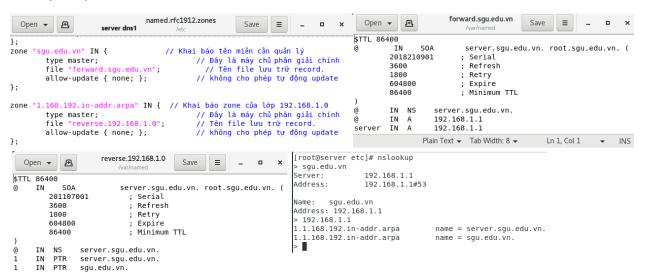


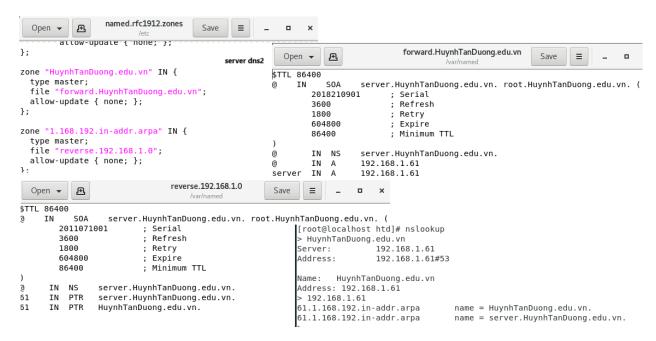
C:\Users\Administrator>nslookup dns1.sgu.edu.∪n Server: sgu.edu.∪n 192.168.1.1 Address: test nslookup trên server dns1 Name: dns1.sgu.edu.vn Address: 192.168.1.1 C:\Users\Administrator>nslookup dns2.HuynhTanDuong.edu.vn Server: dns1.squ.edu.vn Address: 192.168.1.1 Non-authoritative answer: dns2.HuynhTanDuong.edu.vn Name: Address: 192.168.1.61 C:\Users\Administrator>nslookup dns2.huynhtanduong.edu.vn Server: huynhtanduong.edu.vn Address: 192.168.1.61 test nslookup trên server dns2 dns2.huynhtanduong.edu.vn Name: Address: 192.168.1.61 C:\Users\Administrator>nslookup dns1.sgu.edu.vn dns2.huynhtanduong.edu.∪n Server: Address: 192.168.1.61 Non-authoritative answer: dns1.sgu.edu.vn Address: 192.168.1.1

Thực hiện backup server dns2 sang dns1 (em đã xóa zone sgu.edu.vn trên dns1 để demo backup)



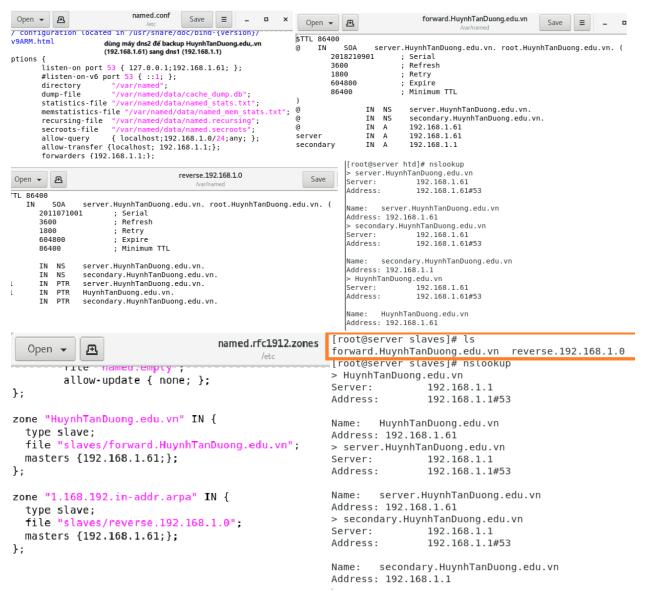
2/ Thực hiện cấu hình dns server trên CentOS





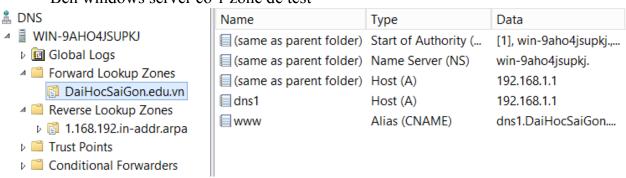
Thực hiện forwarders giữa 2 server dns

```
root@server etci# nsicokup
options {
                                                                  sgu.cdu.vn
        listen-on port 53 { 192.168.1.1; 127.0.0.1; };
                                                                  Server:
                                                                                  192.168.1.1
        #listen-on-v6 port 53 { ::1; };
                                                                  Address:
                                                                                  192.168.1.1#53
        directory
                         "/var/named";
                         "/var/named/data/cache_dump.db";
        dump-file
                                                                  Name:
                                                                         sgu.edu.vn
        statistics-file "/var/named/data/named stats.txt";
                                                                  Address: 192.168.1.1
                                                                   HuynhTanDuong.edu.vn
        memstatistics-file "/var/named/data/named mem stats.txt
                                                                                  192.168.1.1
                                                                  server:
                         "/var/named/data/named.recursing";
        recursing-file
                                                                  Address:
                                                                                  192.168.1.1#53
                         '/var/named/data/named.secroots";
        secroots-file
                         { localhost; 192.168.1.0/24; any; };
        allow-query
                                                                  Non-authoritative answer:
        forwarders {192.168.1.61;};
                                                                  Name: HuynhTanDuong.edu.vn
                                                                  Address: 192.168.1.61
options {
        listen-on port 53 { 127.0.0.1;192.168.1.61; };
                                                                    [root@server htd]# nslookup
        #listen-on-v6 port 53 { ::1; };
                                                                     > HuynhTanDuong.edu.vn
        directory
                          "/var/named":
                         "/var/named/data/cache_dump.db";
                                                                     Server:
                                                                                     192.168.1.61
        dump-file
        statistics-file "/var/named/data/named stats.txt";
                                                                     Address:
                                                                                     192.168.1.61#53
        memstatistics-file "/var/named/data/named mem stats.txt";
        recursing-file "/var/named/data/named.recursing";
                                                                     Name: HuynhTanDuong.edu.vn
                                                                     Address: 192.168.1.61
                         "/var/named/data/named.secroots";
         secroots-file
                         { localhost;192.168.1.0/24;any; };
                                                                     > sgu.edu.vn
        allow-query
                                                                     Server:
                                                                                     192.168.1.61
         forwarders {192.168.1.1;};
                                                                     Address:
                                                                                     192.168.1.61#53
                                                                     Non-authoritative answer:
                                                                     Name: sgu.edu.vn
                                                                     Address: 192.168.1.1
```



3/Forwarder giữa CentOS (192.168.1.61) và Windows server (192.168.1.1)

Bên windows server có 1 zone để test



Bên CentOS có 1 zone để test là HuynhTanDuong.edu.vn đã dùng ở trên.

```
zone "HuynhTanDuong.edu.vn" IN {
  type master;
  file "forward.HuynhTanDuong.edu.vn";
  allow-update { none; };
};

zone "1.168.192.in-addr.arpa" IN {
  type master;
  file "reverse.192.168.1.0";
  allow-update { none; };
};
```

Cấu hình forwarder

Debug Logging	Event Logging	Event Logging		Monitoring		
Interfaces	Forwarders		Advanced		Root Hints	

Forwarders are DNS servers that this server can use to resolve DNS queries for records that this server cannot resolve.

IP Address	Server FQDN
192.168.1.61	<attempting resolve="" to=""></attempting>

Test kết quả:

```
|root@server etc|# nslookup
                             C:\Users\Administrator>nslookup
> DaiHocSaiGon.edu.vn
                             Default Server: daihocsaigon.edu.vn
              192.168.1.61#53 Address: 192.168.1.1
Server:
             192.168.1.61
Address:
                             > HuynhTanDuong.edu.∪n
Non-authoritative answer:
                             Server: daihocsaigon.edu.vn
Name: DaiHocSaiGon.edu.vn
Address: 192.168.1.1
                             Address: 192.168.1.1
                             Non-authoritative answer:
                                      HuynhTanDuong.edu.vn
                             Address: 192.168.1.61
```