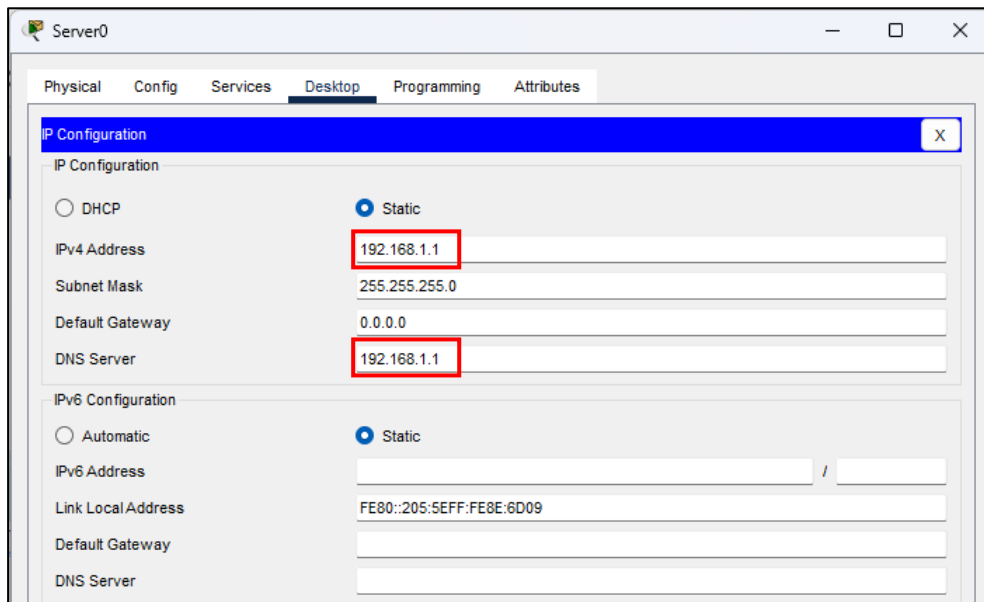


## Assignment – 8

### Configuration of DNS server.

#### ❖ Procedure:

- Step 1 : Take 1 Switch, 3 PC's and one server.
- Step 2 : Connect that Switch with 3 PC's with Copper Stright-Through wire and connect the server with that switch.
- Step 3 : Assign IP Addresses to the PC's and each of them belongs to class C or use DHCP configuration for IP assigning.
- Step 4 : Assign IP Address to the server and also add the same address in DNS Server option.



Server0

Physical Config **Services** Desktop Programming Attributes

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.1.1

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 192.168.1.1

IPv6 Configuration

☐ Automatic ☒ Static

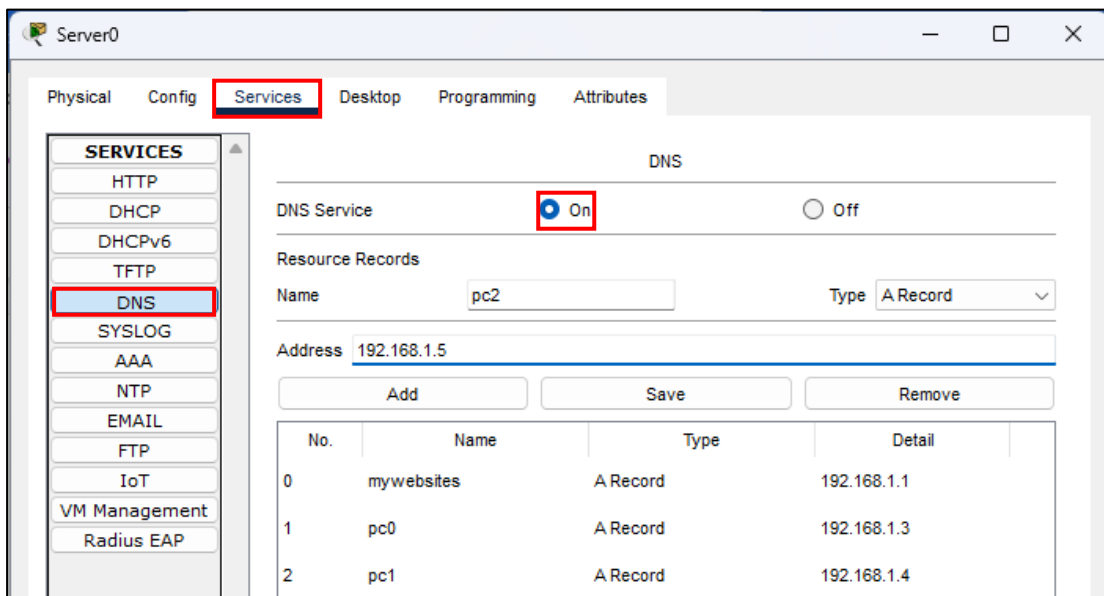
IPv6 Address /

Link Local Address FE80::205:5EFF:FE8E:6D09

Default Gateway

DNS Server

- Step 4 : Now go to the services then go to DNS option and enable it.



Server0

Physical Config **Services** Desktop Programming Attributes

**SERVICES**

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS**
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management
- Radius EAP

DNS

DNS Service ☒ On ☐ Off

Resource Records

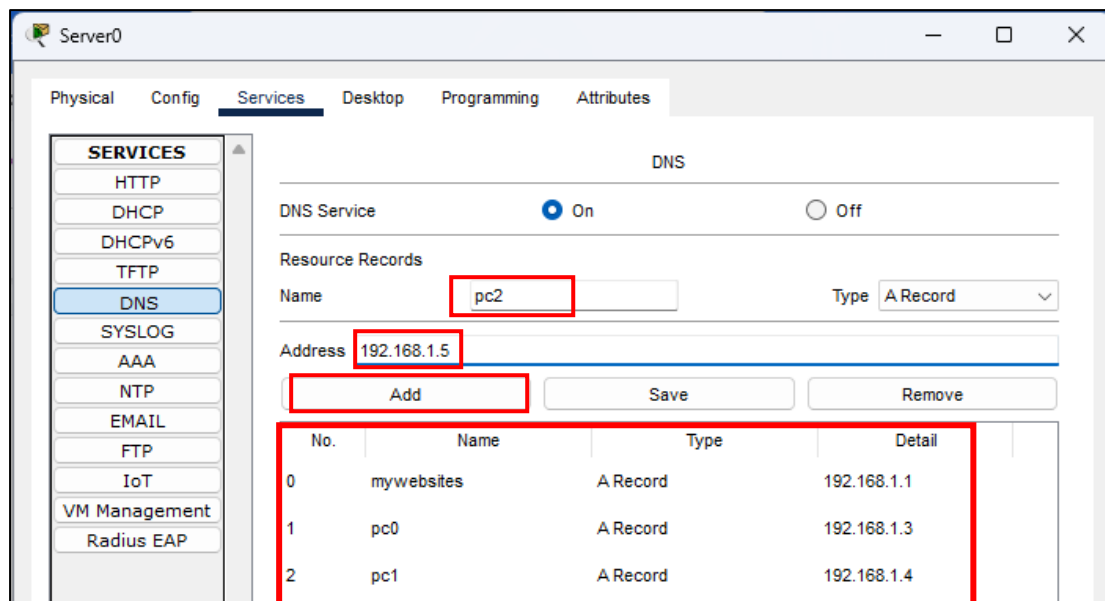
Name pc2 Type A Record

Address 192.168.1.5

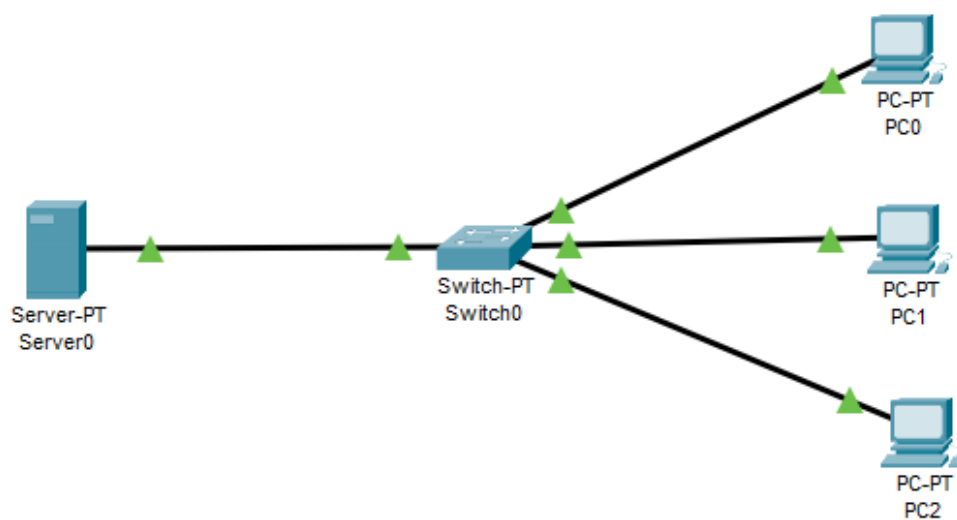
Add Save Remove

No.	Name	Type	Detail
0	mywebsites	A Record	192.168.1.1
1	pc0	A Record	192.168.1.3
2	pc1	A Record	192.168.1.4

Step 6 : After that we add name and the address of the PC and click on the add button and the domain name will be added.



❖ Diagram:



## ❖ Output's:

```
C:\>ping pcl

Pinging 192.168.1.4 with 32 bytes of data:

Reply from 192.168.1.4: bytes=32 time<1ms TTL=128
Reply from 192.168.1.4: bytes=32 time<1ms TTL=128
Reply from 192.168.1.4: bytes=32 time=5ms TTL=128
Reply from 192.168.1.4: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 5ms, Average = 1ms
```

```
C:\>ping pc2

Pinging 192.168.1.5 with 32 bytes of data:

Reply from 192.168.1.5: bytes=32 time=1ms TTL=128
Reply from 192.168.1.5: bytes=32 time<1ms TTL=128
Reply from 192.168.1.5: bytes=32 time<1ms TTL=128
Reply from 192.168.1.5: bytes=32 time=5ms TTL=128

Ping statistics for 192.168.1.5:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 5ms, Average = 1ms
```

Response coming from same one PC to another PC by using domain name, so configuration is successful.