



BÁO CÁO THỰC HÀNH

Bài thực hành số 04: Installing and Configuring WS Services

Môn học: Quản trị mạng và hệ thống

Lớp: NT132.N21.MMCL

THÀNH VIÊN THỰC HIỆN (Nhóm 02):

STT	Họ và tên	MSSV
1	Ngô Tuấn Kiệt	21521034

Điểm tự đánh giá

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ĐÁNH GIÁ KHÁC:

Tổng thời gian thực hiện	
Phân chia công việc	
Ý kiến (nếu có) + Khó khăn + Đề xuất, kiến nghị	

Phần bên dưới của báo cáo này là báo cáo chi tiết của nhóm thực hiện

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A. BÁO CÁO CHI TIẾT

Báo cáo tại lớp, vấn đáp

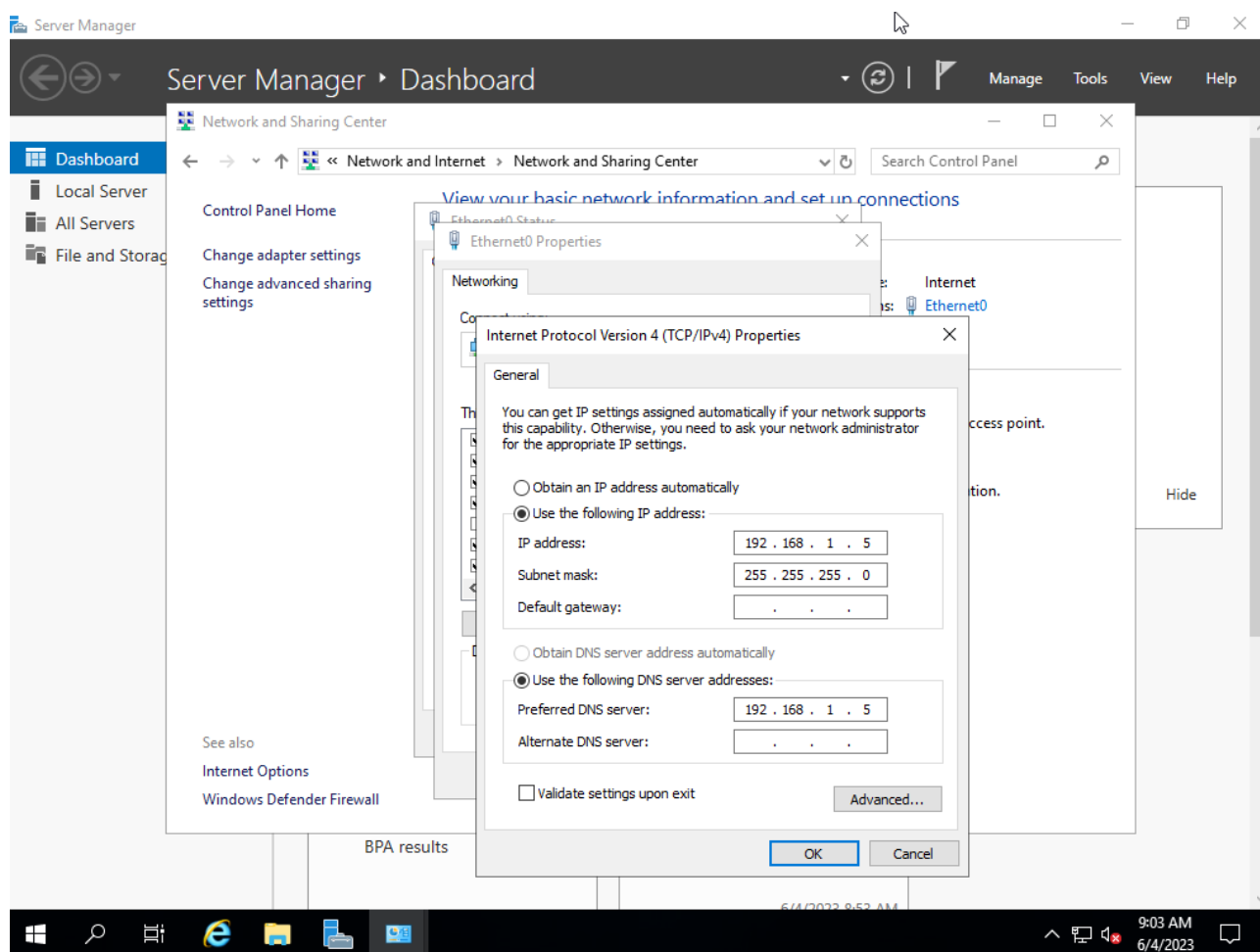
1. Kicks off:

a. Why do we need DNS, DHCP, FTP, and Mail service? Is the network system working correctly without these services?

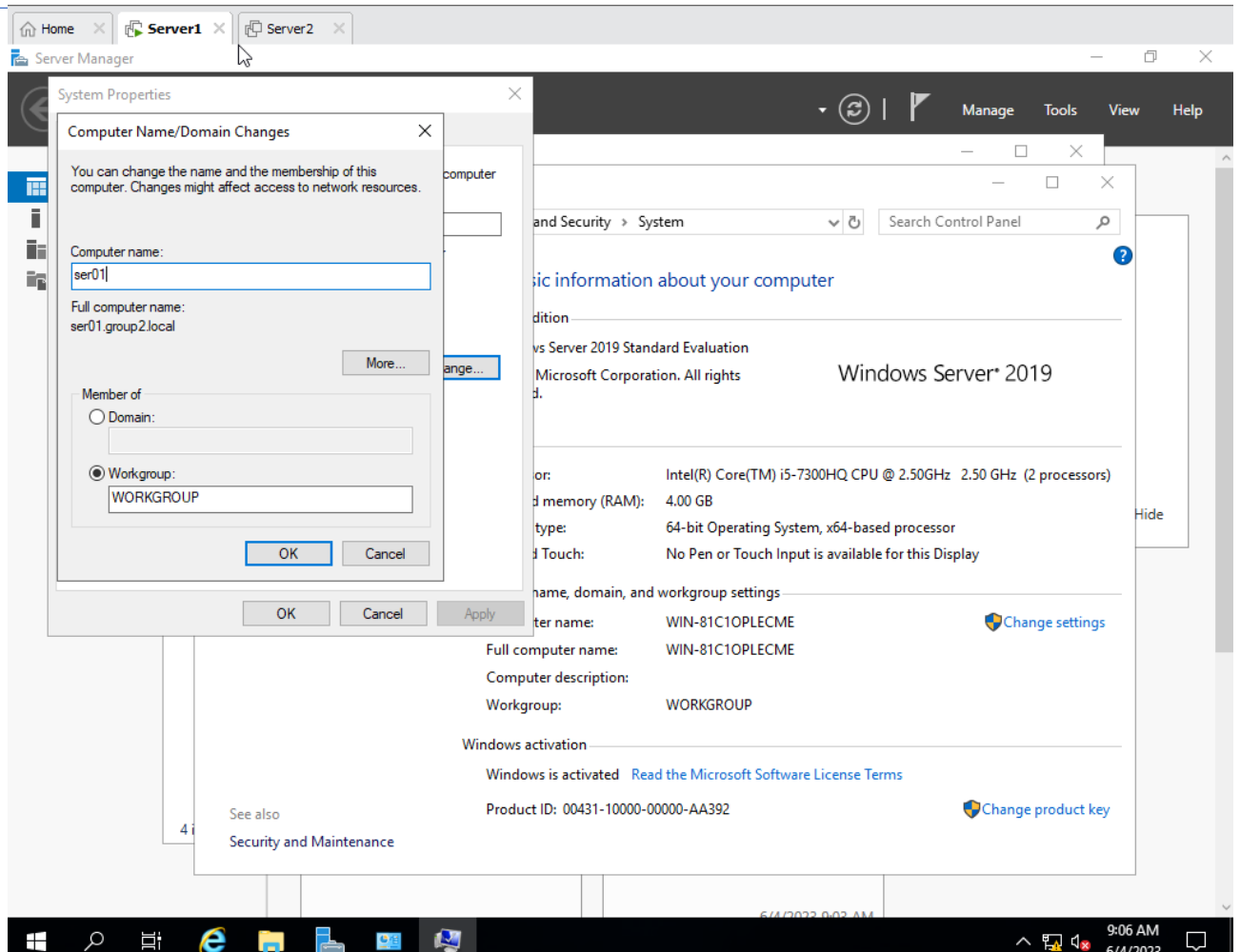
It is technically possible to have a network system without these services, it would severely limit the functionality and usability of the network. Without DNS, users would need to rely on remembering and manually entering IP addresses. Without DHCP, devices would require manual configuration for network settings. Without FTP, file transfers would become more complex. And without mail services, email communication would be impossible. These services greatly enhance the usability and convenience of network systems, making them an integral part of modern networking infrastructure.

2. DNS Service

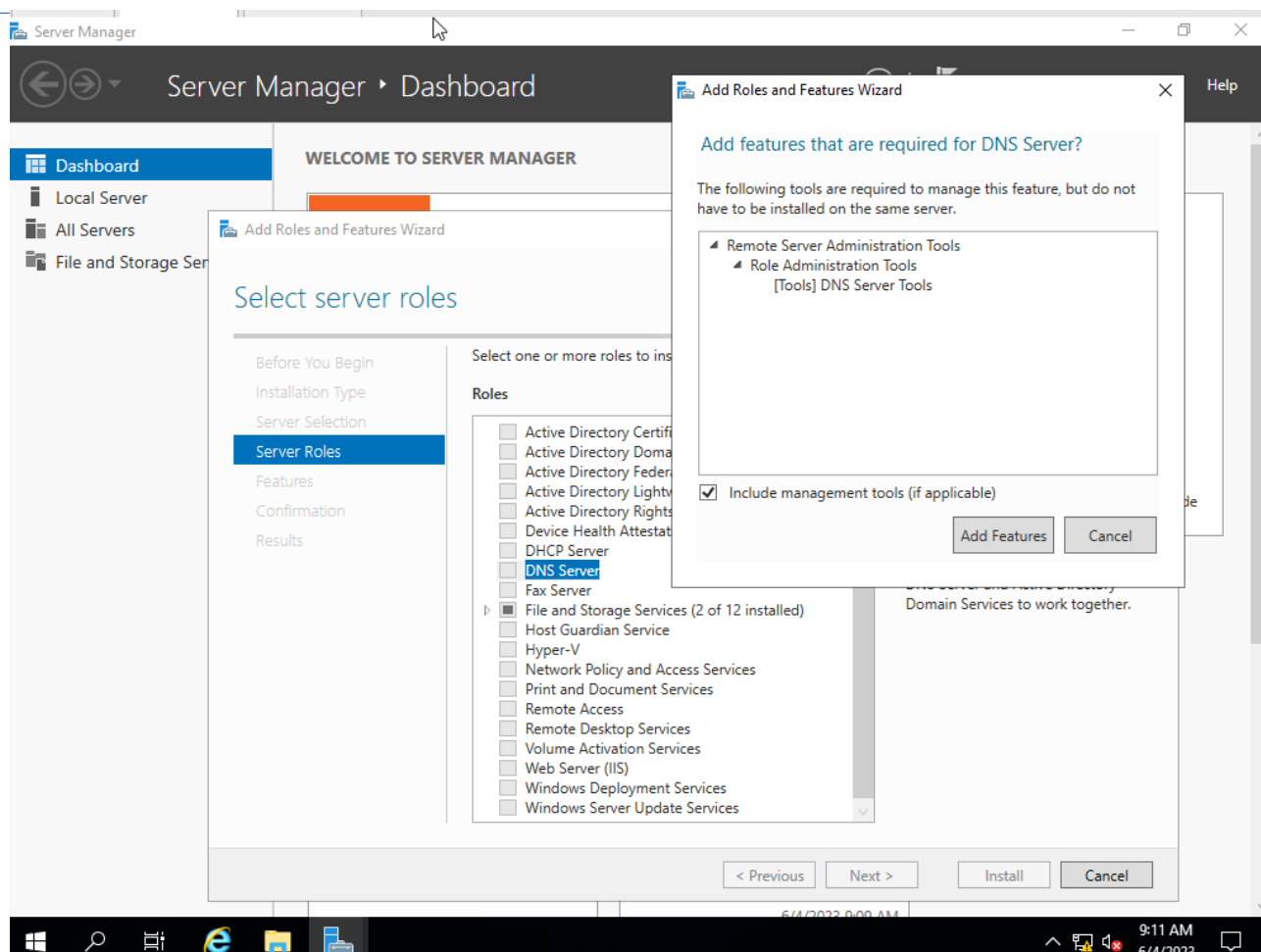
Server 1:



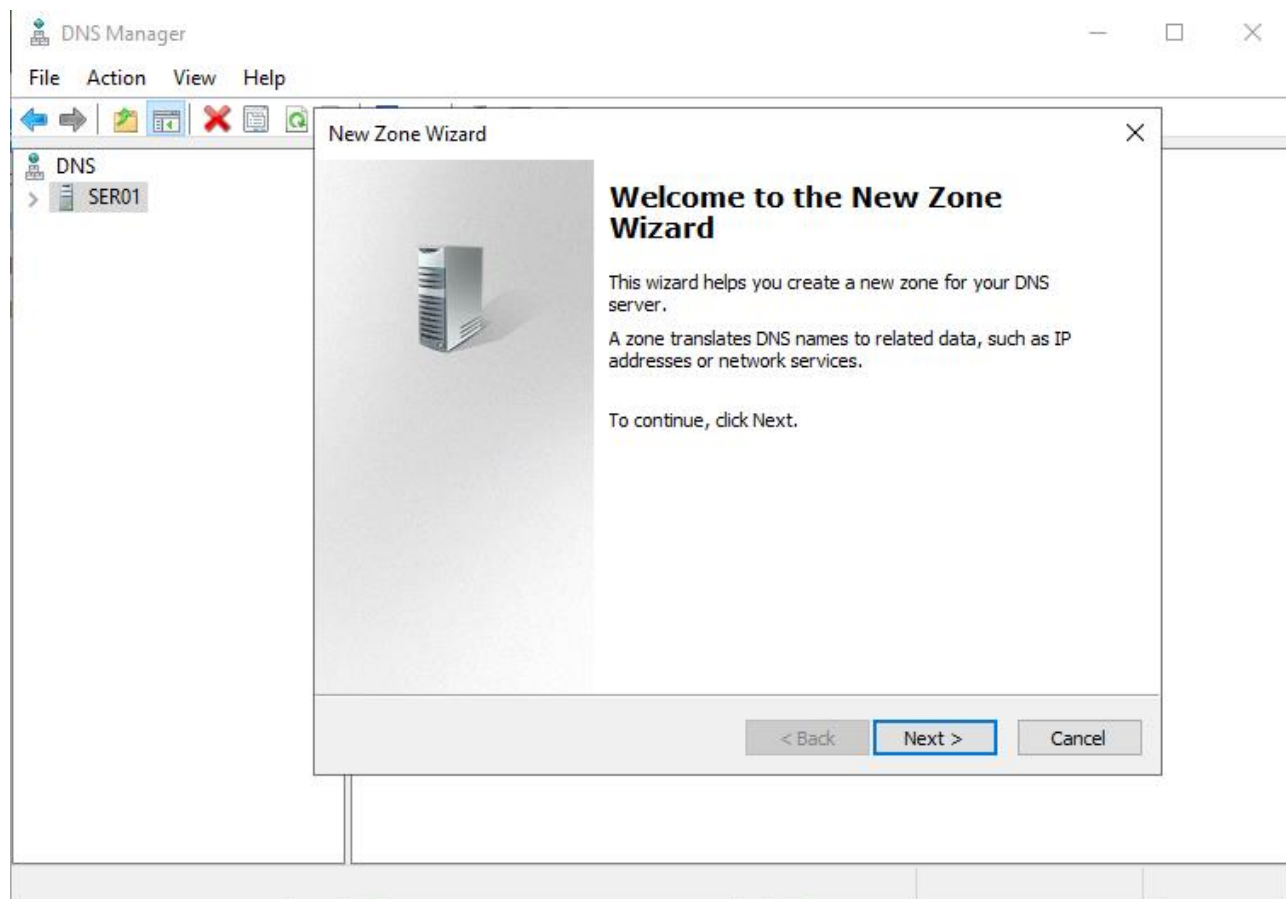
Bài thực hành số 04: Installing and Configuring WS Services

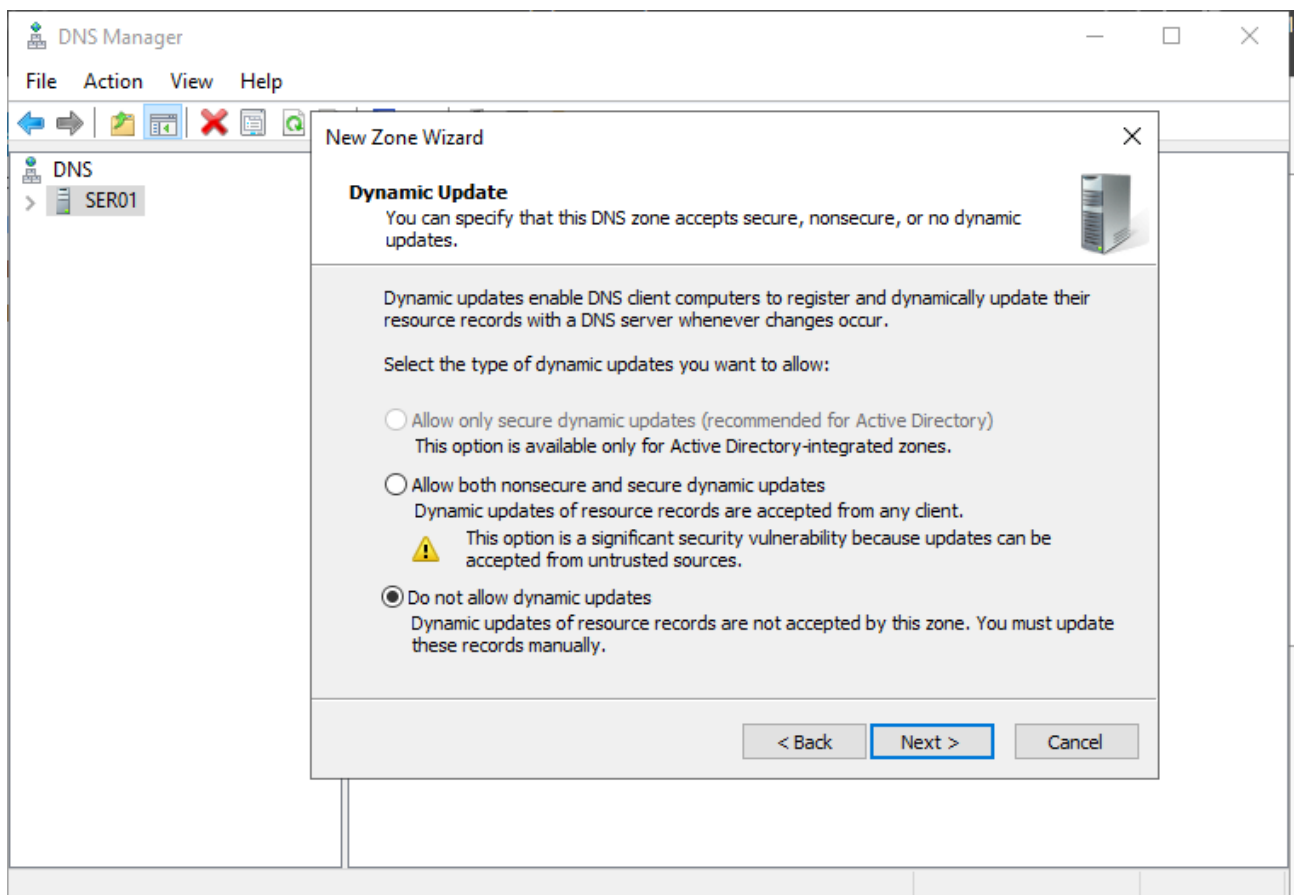
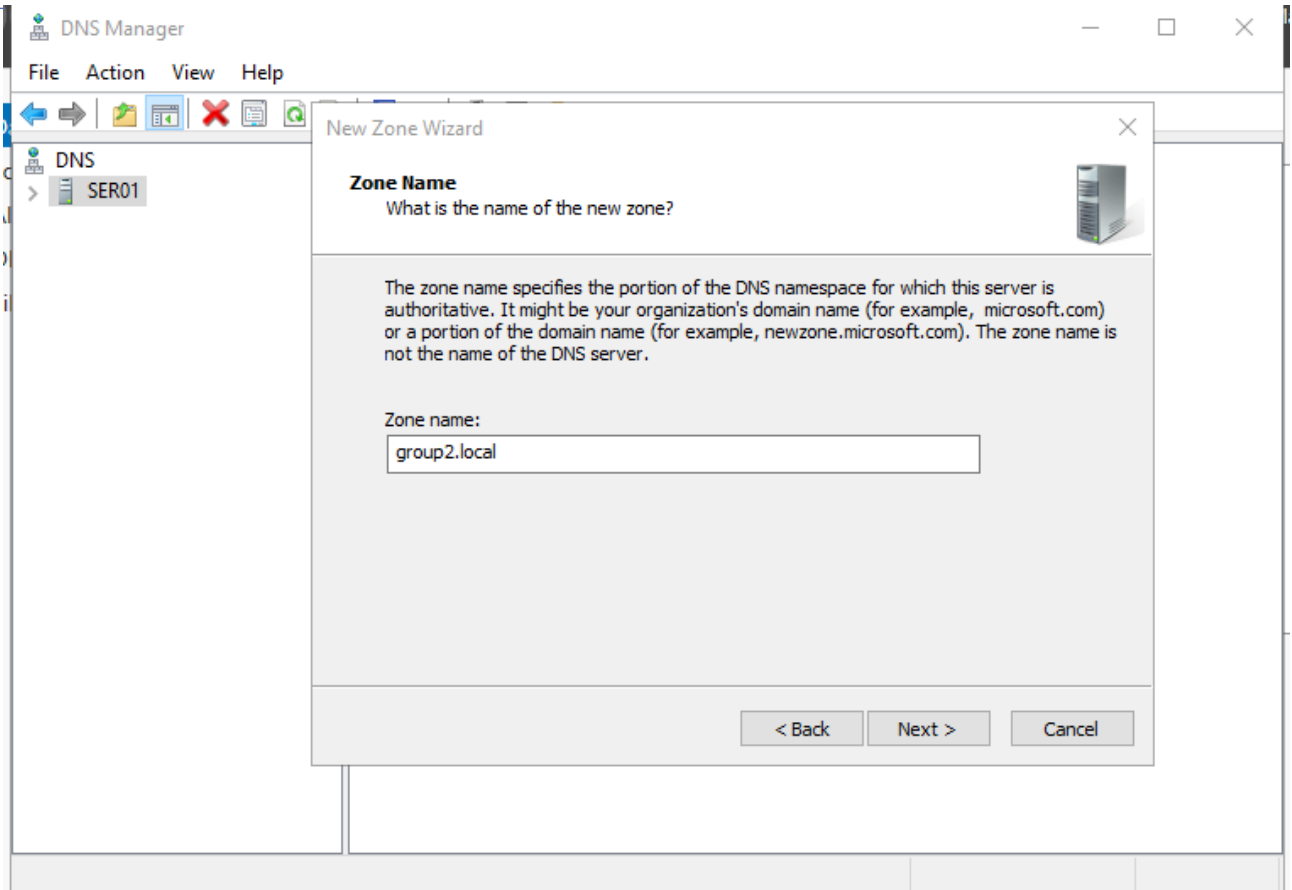


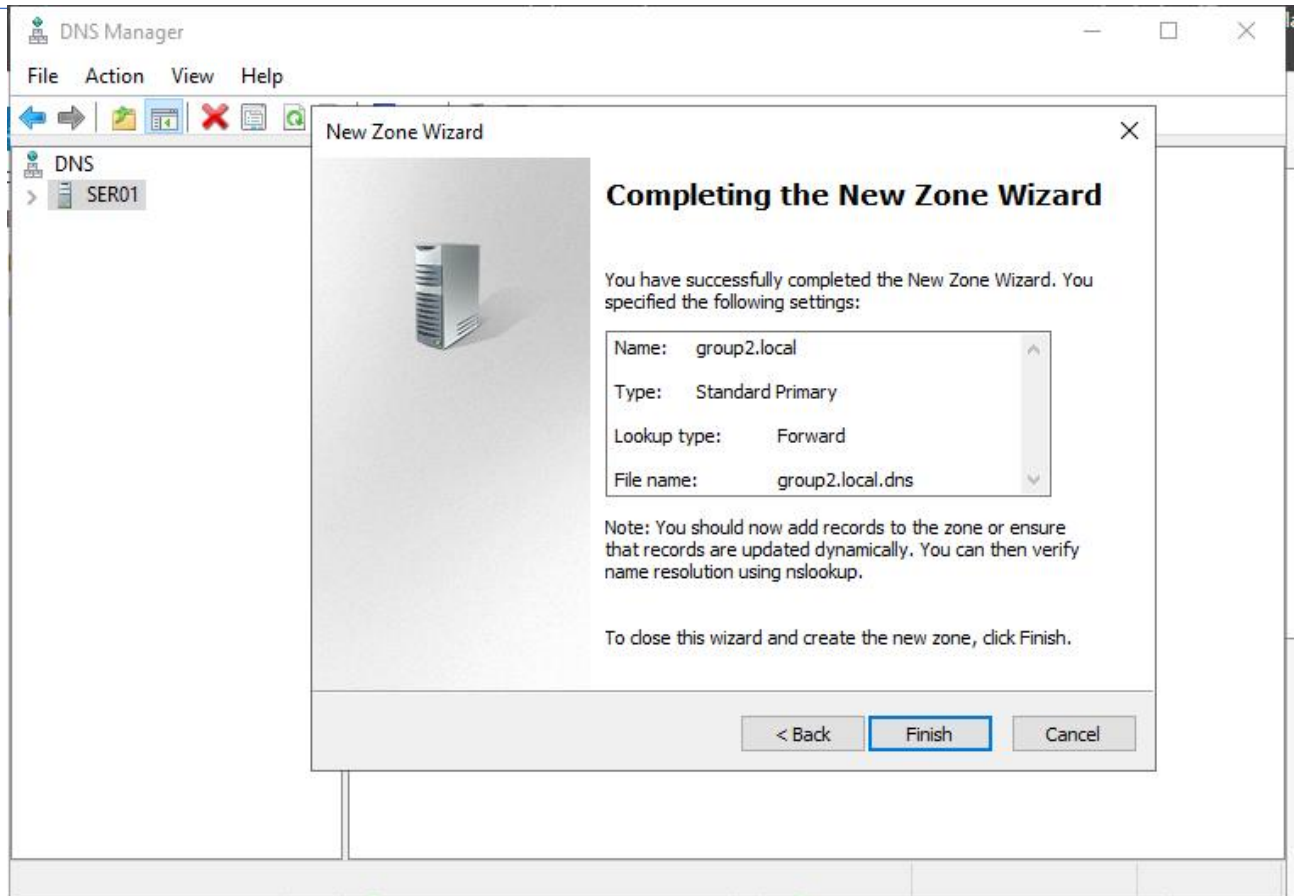
Add Roles and features -> next ... -> tick at DNS server -> ... install



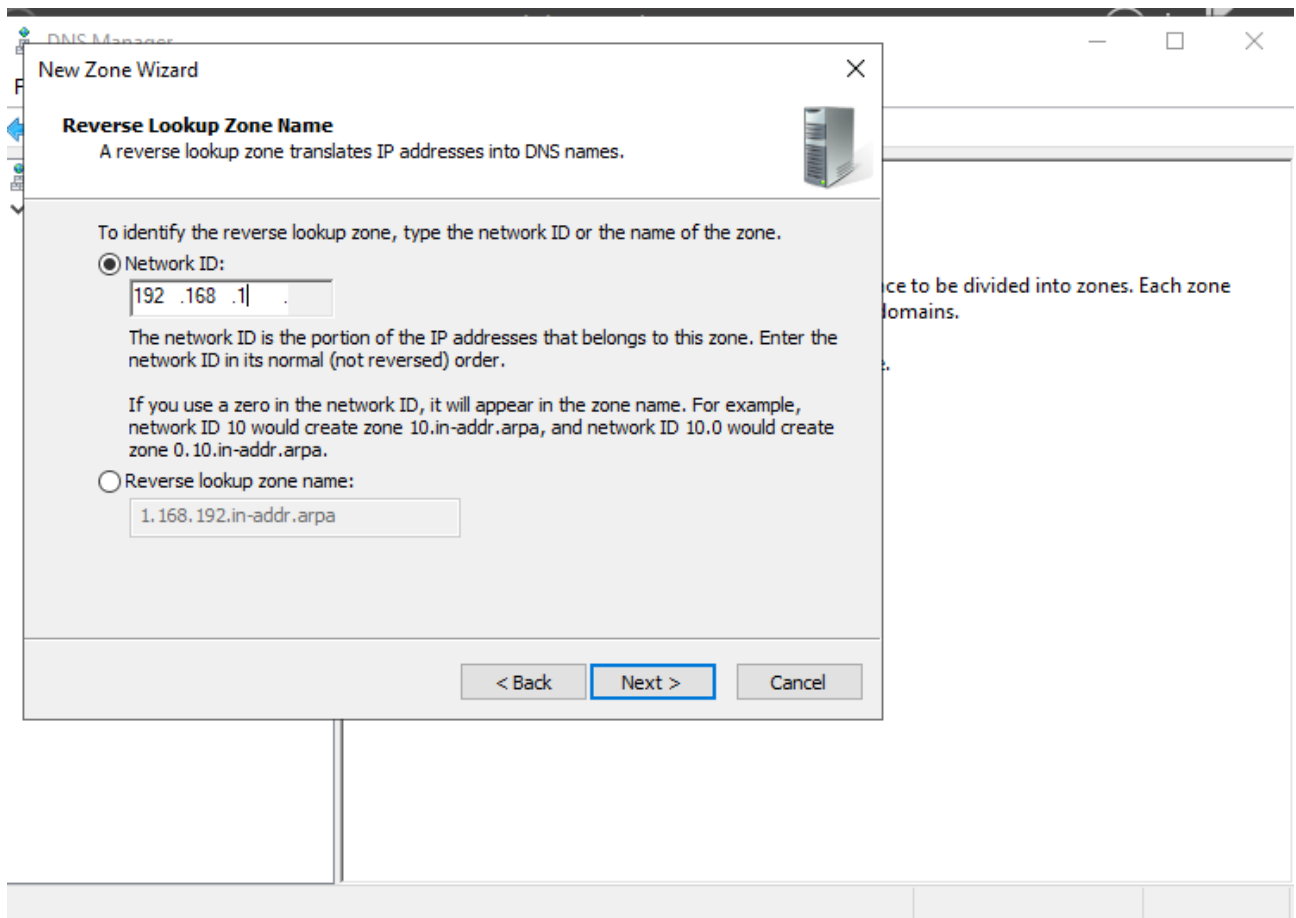
SER01-> Forward Lookup Zones -> new zone

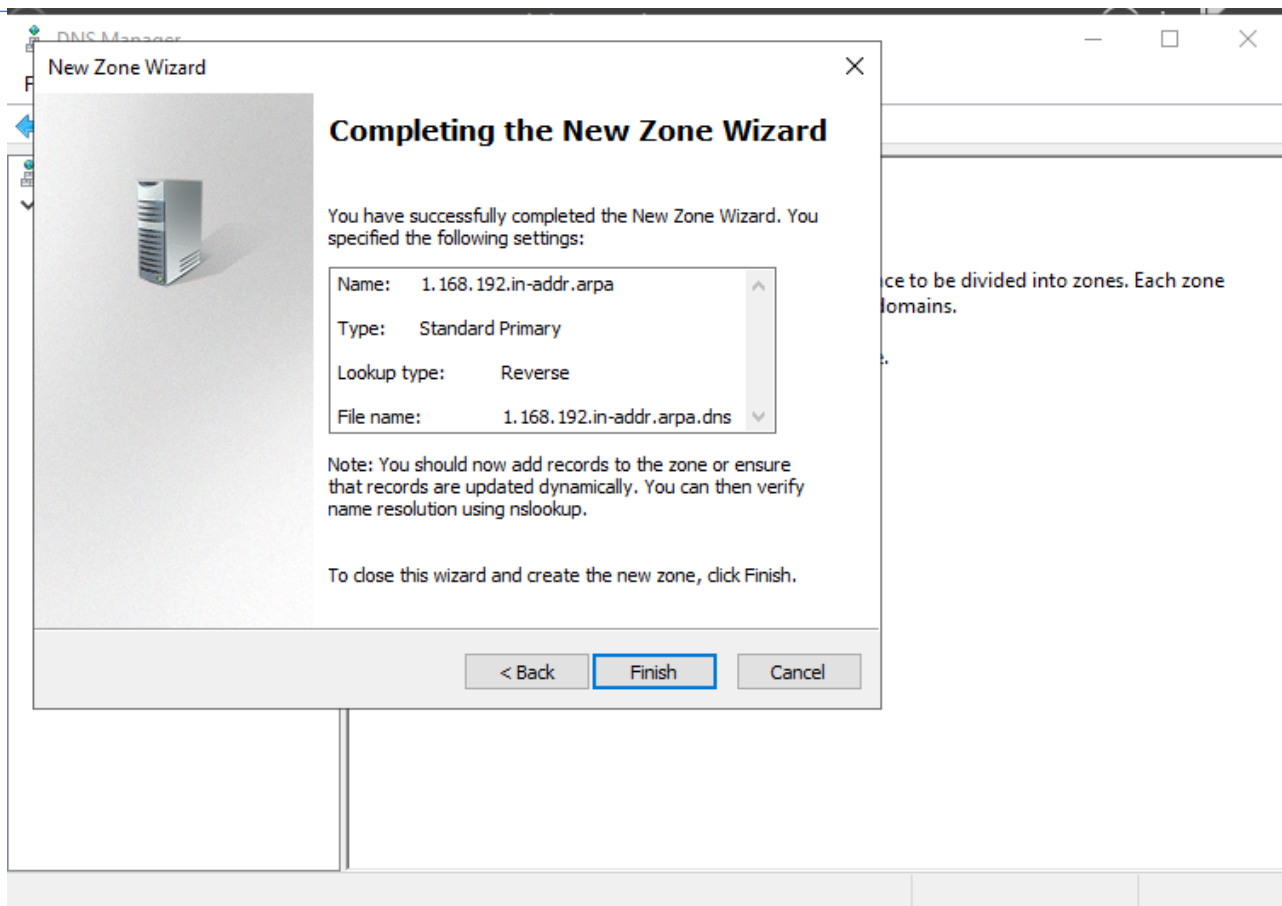




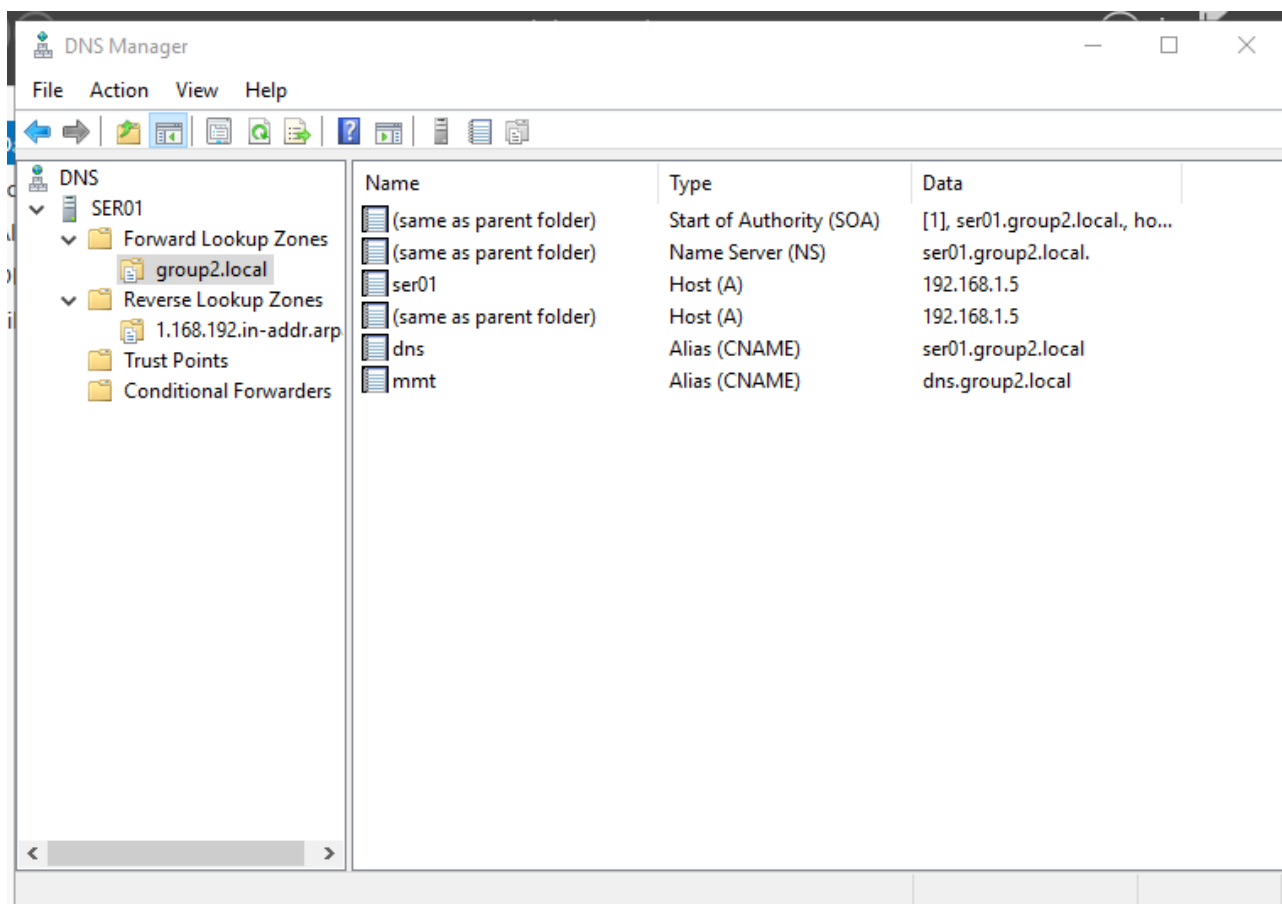


Tương tự tại Reverse Lookup Zone -> new zone -> ...

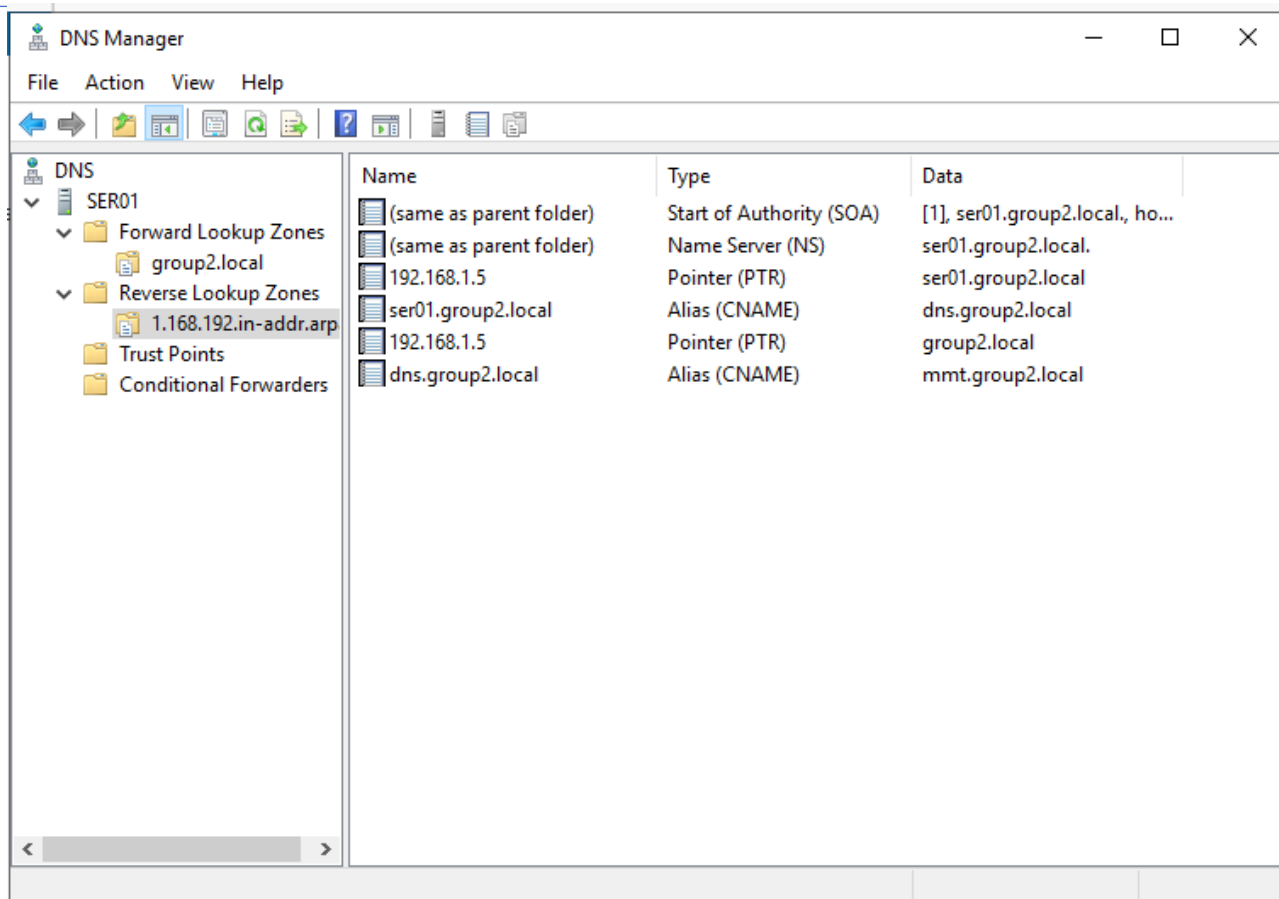




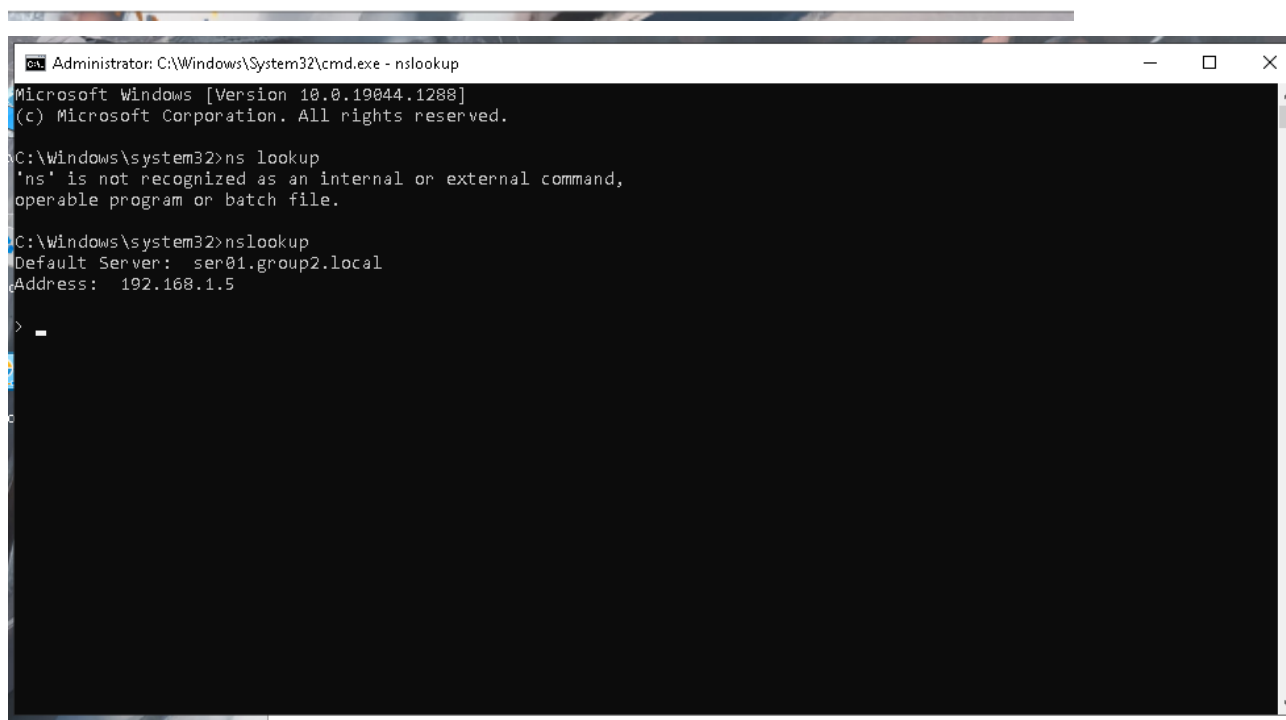
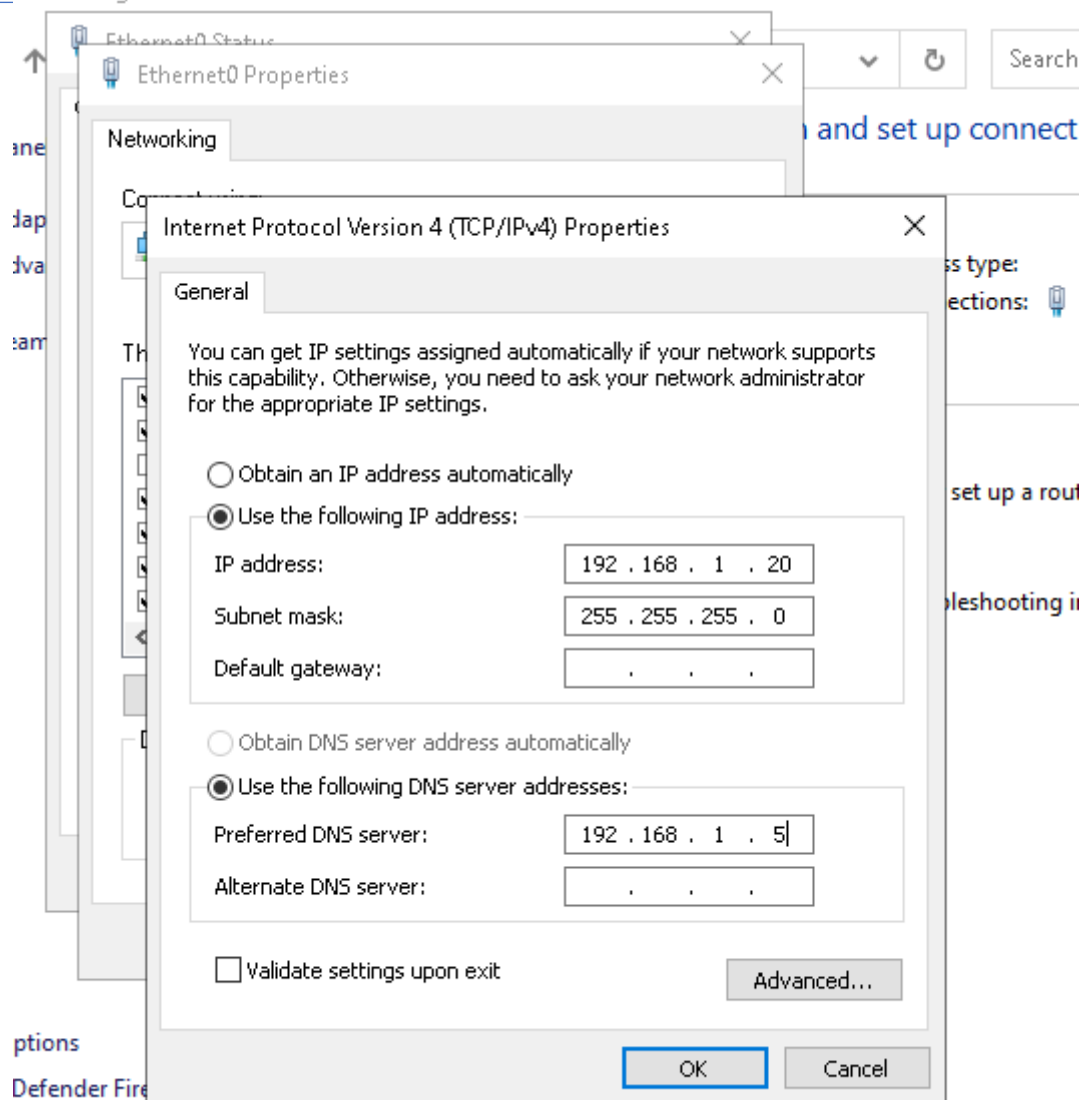
Create DNS record



In reverse Lookup Zones -> create PTR/ create Alias



DNS Client



```
> group2.local
Server:  ser01.group2.local
Address: 192.168.1.5

DNS request timed out.
  timeout was 2 seconds.
DNS request timed out.
  timeout was 2 seconds.
Name:    group2.local
Address: 192.168.1.5
```

```
> mmt.group2.local
Server:  ser01.group2.local
Address: 192.168.1.5

DNS request timed out.
  timeout was 2 seconds.
DNS request timed out.
  timeout was 2 seconds.
Name:    ser01.group2.local
Address: 192.168.1.5
Aliases: mmt.group2.local
         dns.group2.local
```

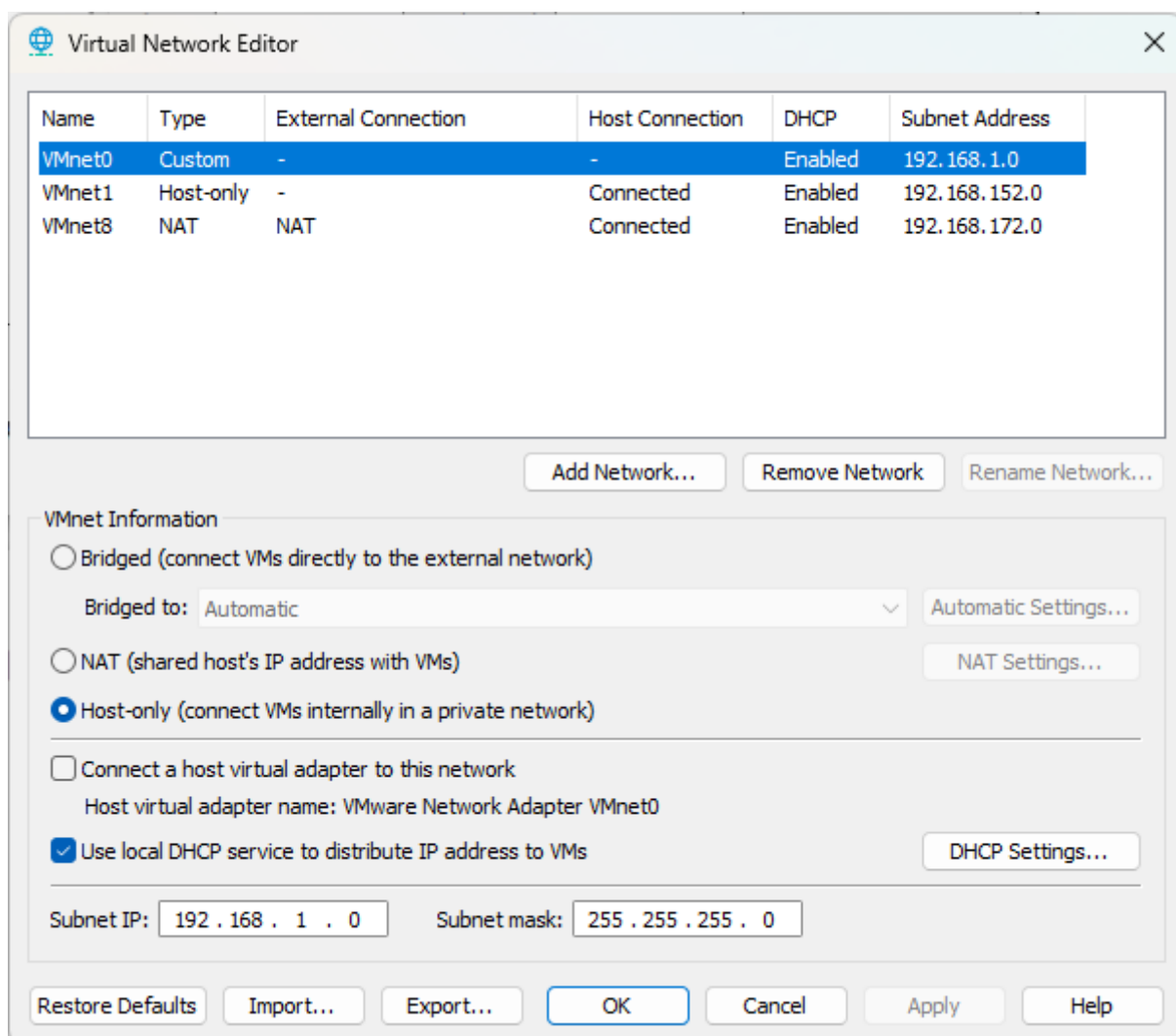
```
> 192.168.1.5
Server:  ser01.group2.local
Address: 192.168.1.5

Name:    group2.local
Address: 192.168.1.5
```

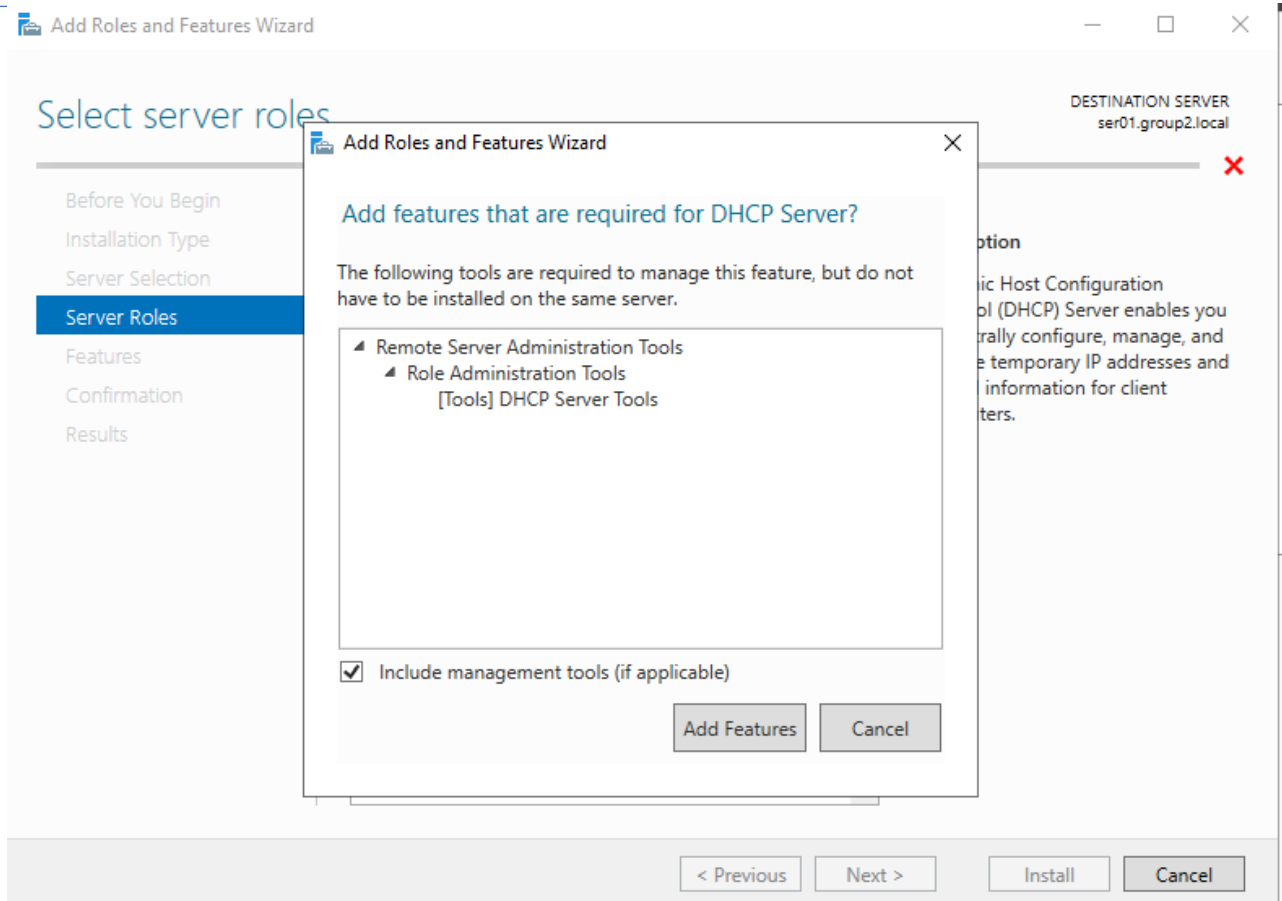
```
> mmt.group2.local
Server:  ser01.group2.local
Address: 192.168.1.5

DNS request timed out.
  timeout was 2 seconds.
DNS request timed out.
  timeout was 2 seconds.
Name:    ser01.group2.local
Address: 192.168.1.5
Aliases: mmt.group2.local
         dns.group2.local
```

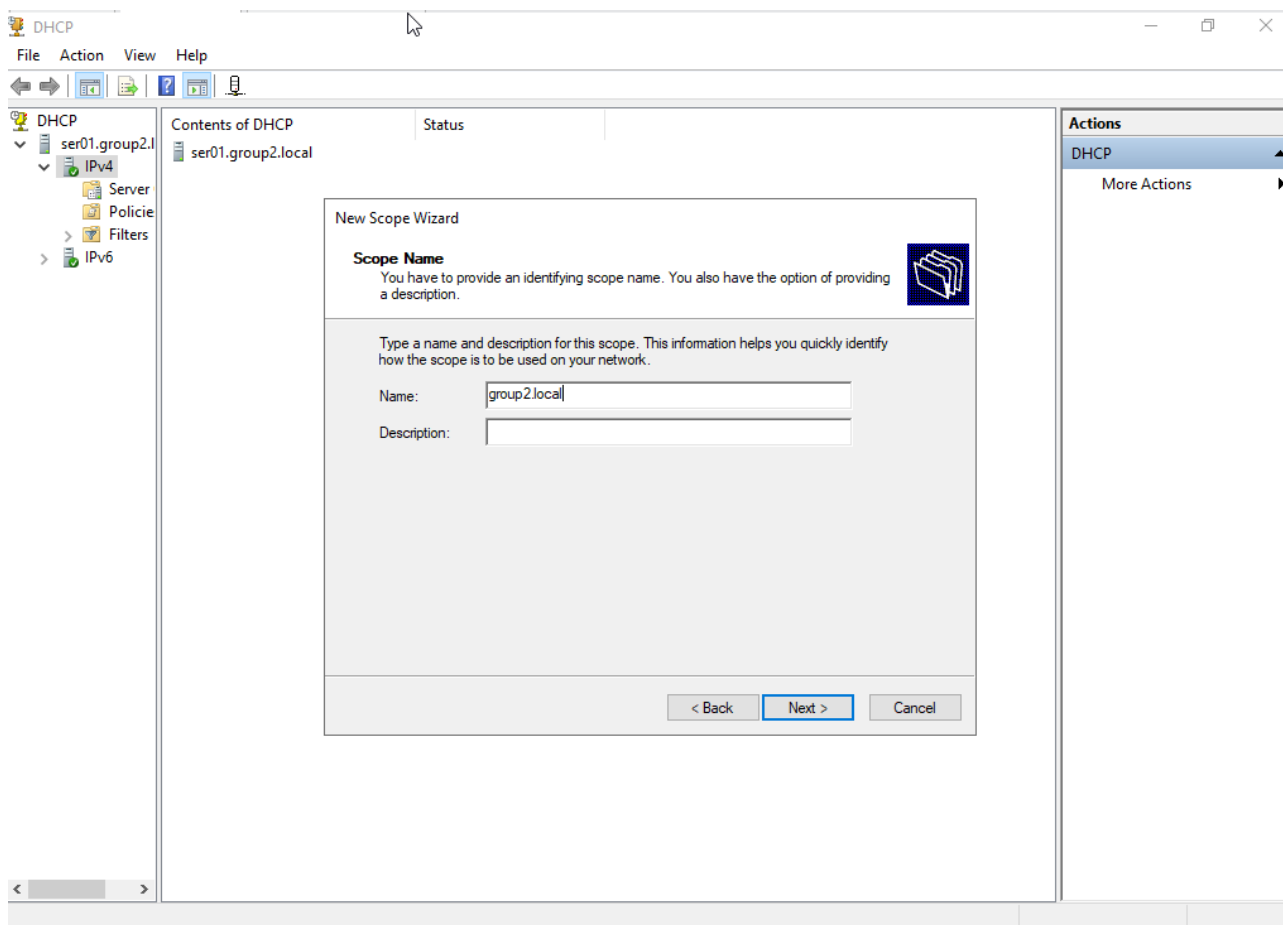
3. DHCP Service

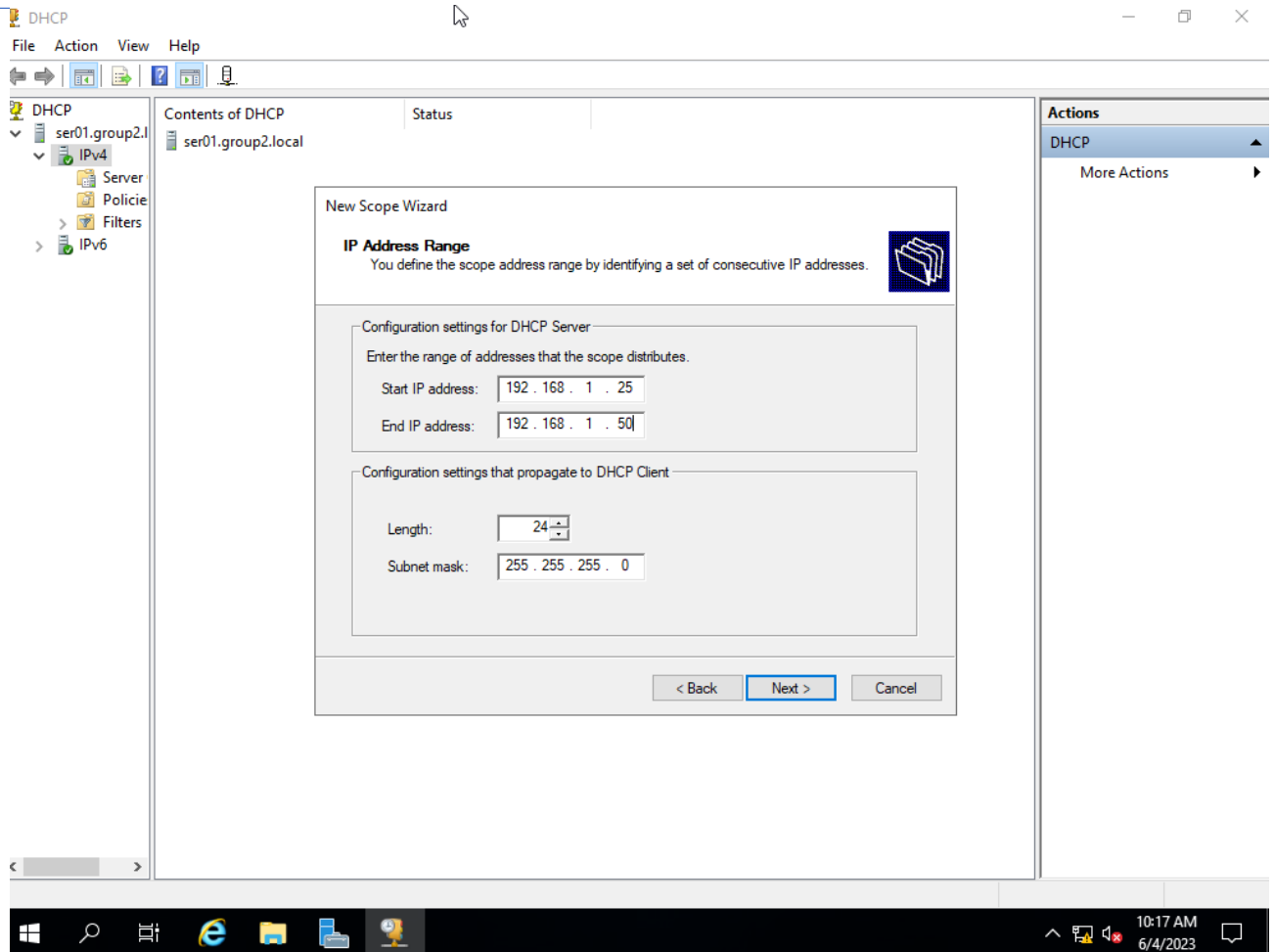


DHCP Server



DHCP manager->IP v4 -> New Scope





Next -> next -> next ... flexible

Check on Client

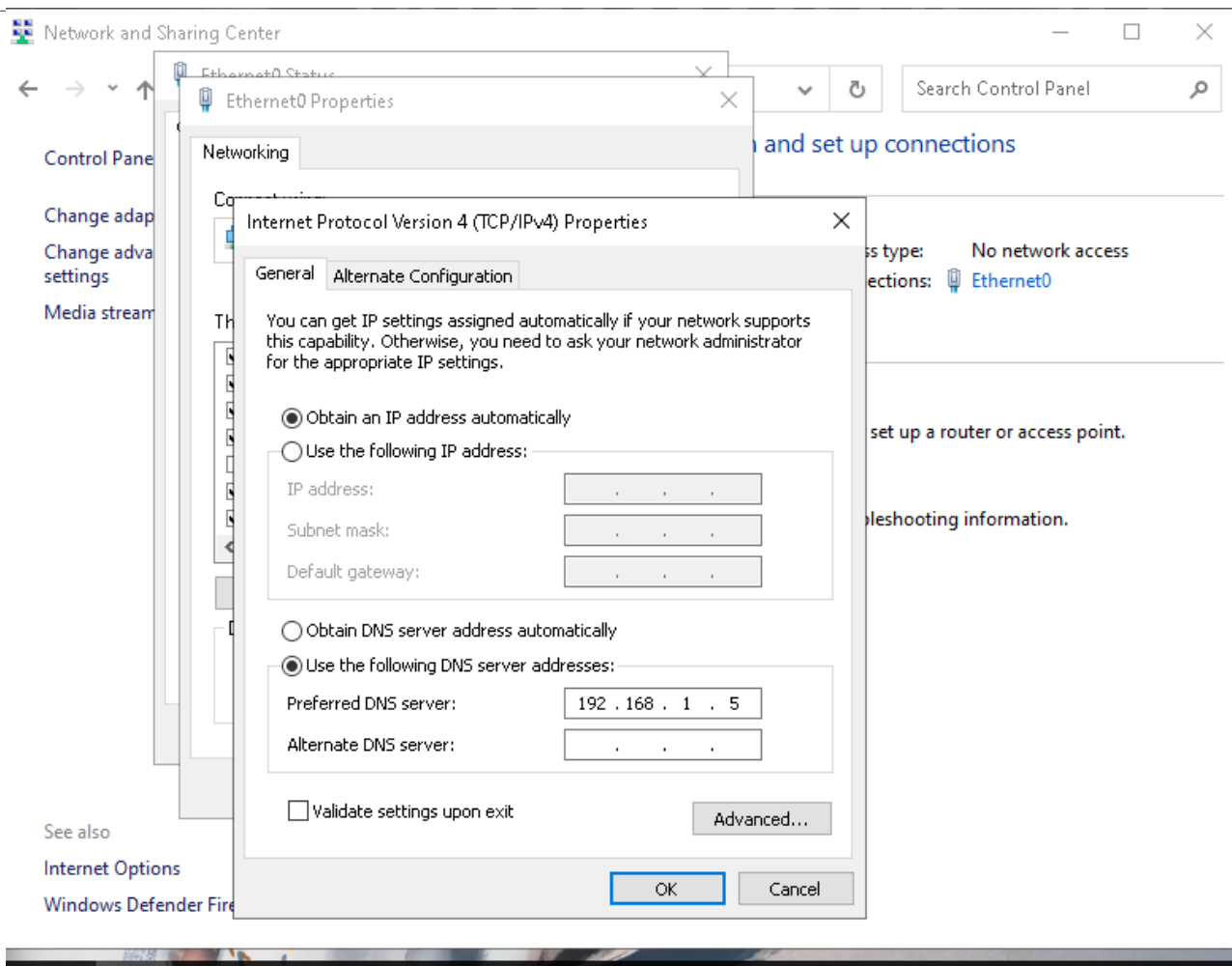
Before DHCP

```
C:\Users\Administrator>ipconfig

Windows IP Configuration

Ethernet adapter Ethernet0:

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::a1f4:6448:da49:e9a8%15
    IPv4 Address. . . . . : 192.168.1.20
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . :
```



Ip now in pool

```
C:\Users\Administrator>ipconfig

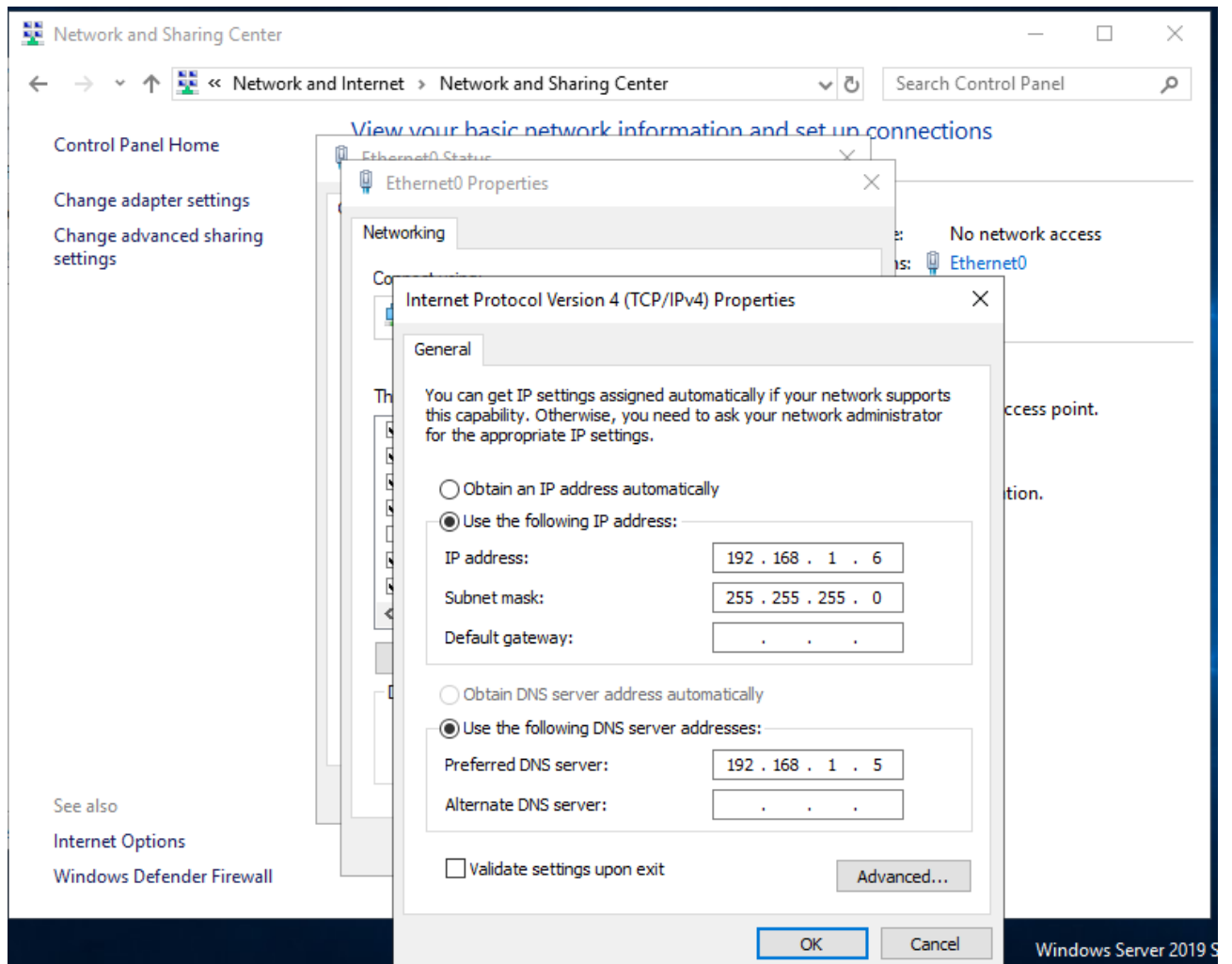
Windows IP Configuration

Ethernet adapter Ethernet0:

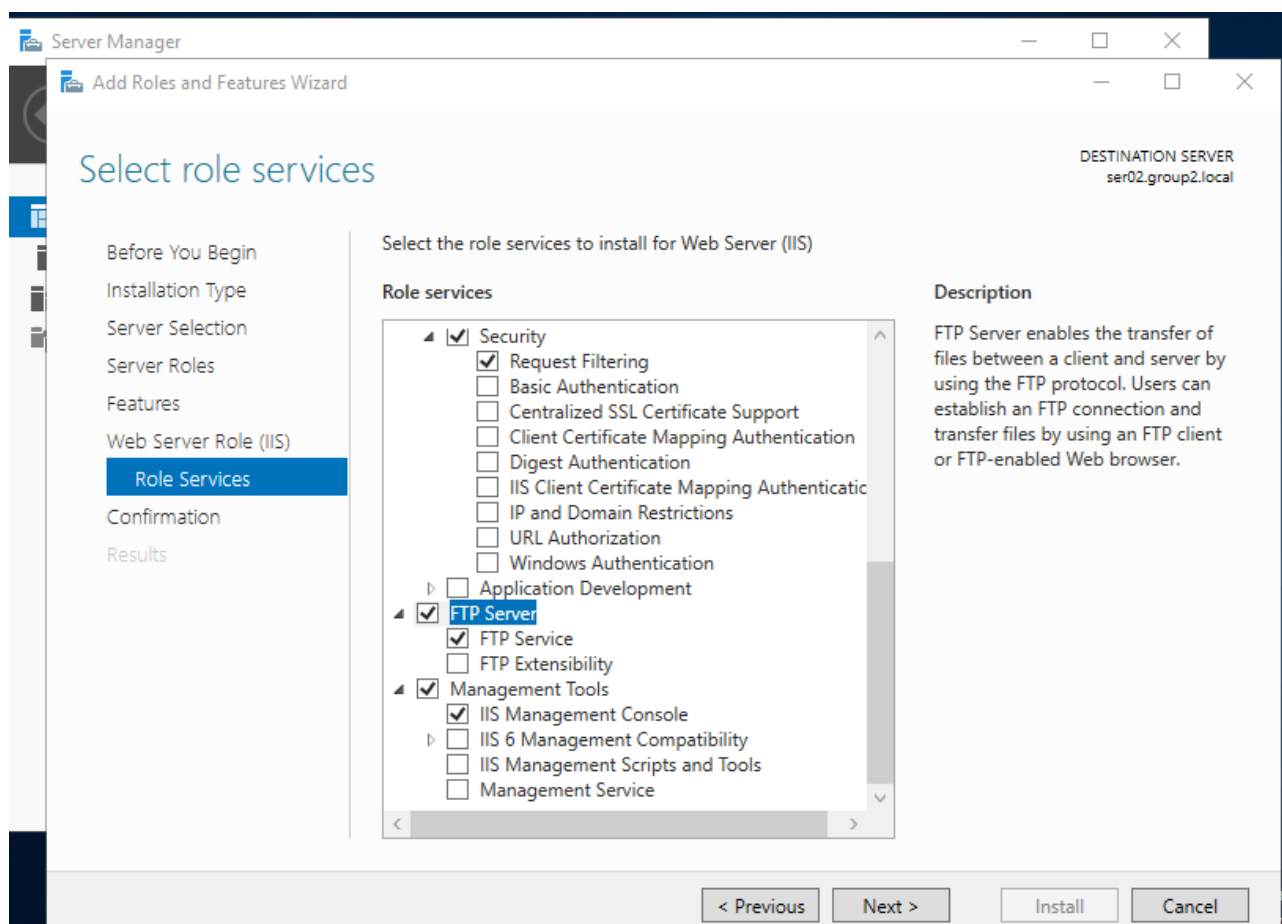
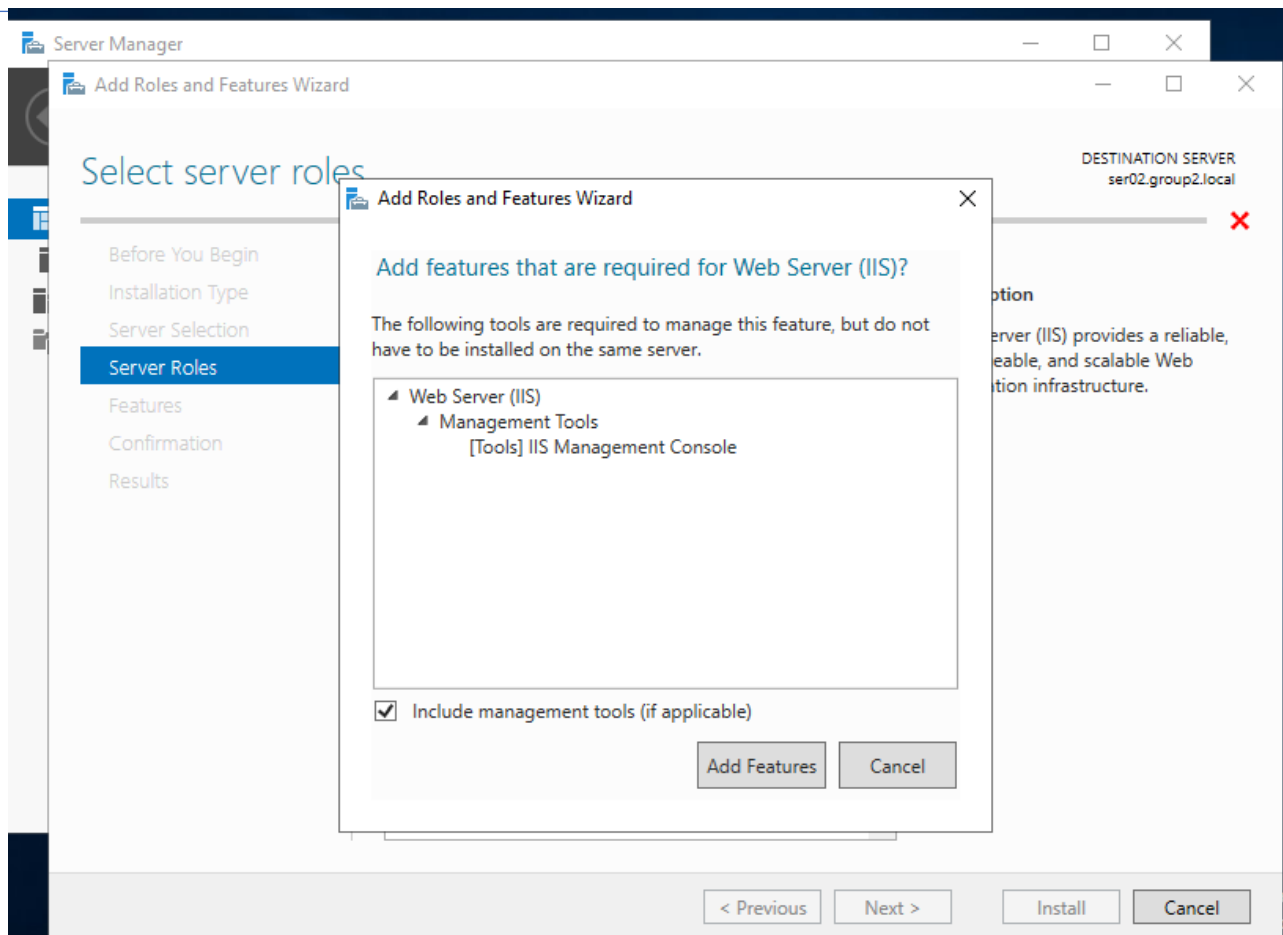
    Connection-specific DNS Suffix  . : group2.local
    Link-local IPv6 Address . . . . . : fe80::a1f4:6448:da49:e9a8%15
    IPv4 Address. . . . . : 192.168.1.25
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.1.5
```

4. Web service(IIS) and FTP server

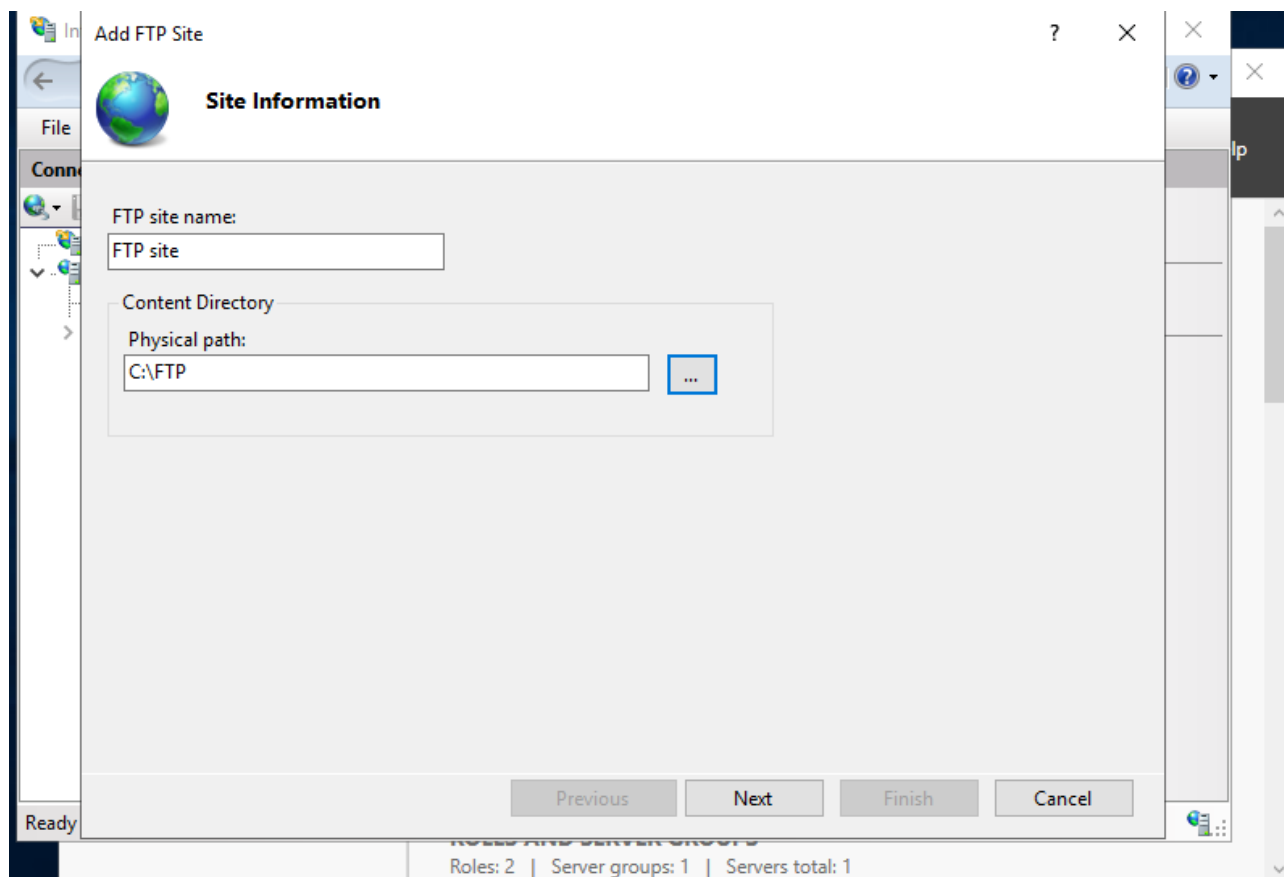
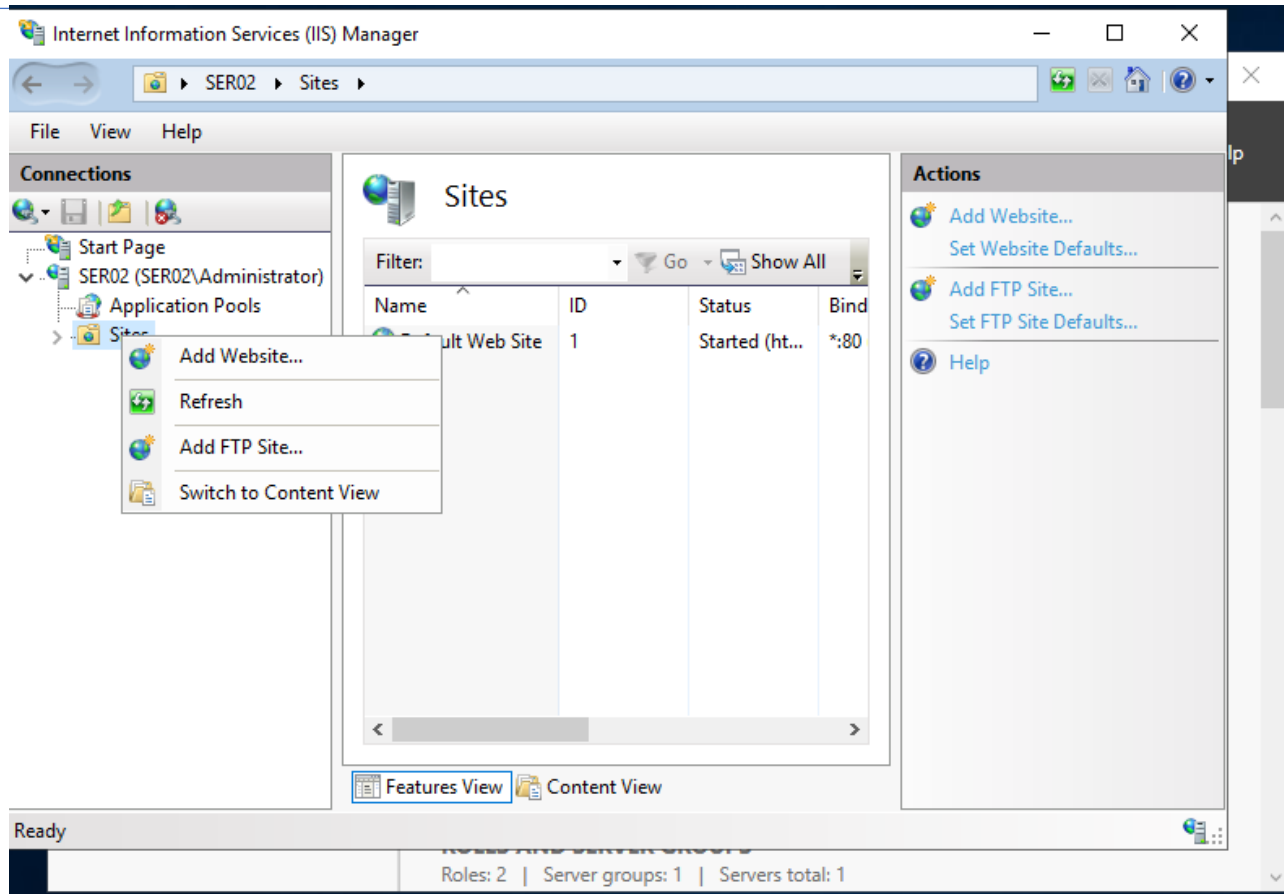
Server 2

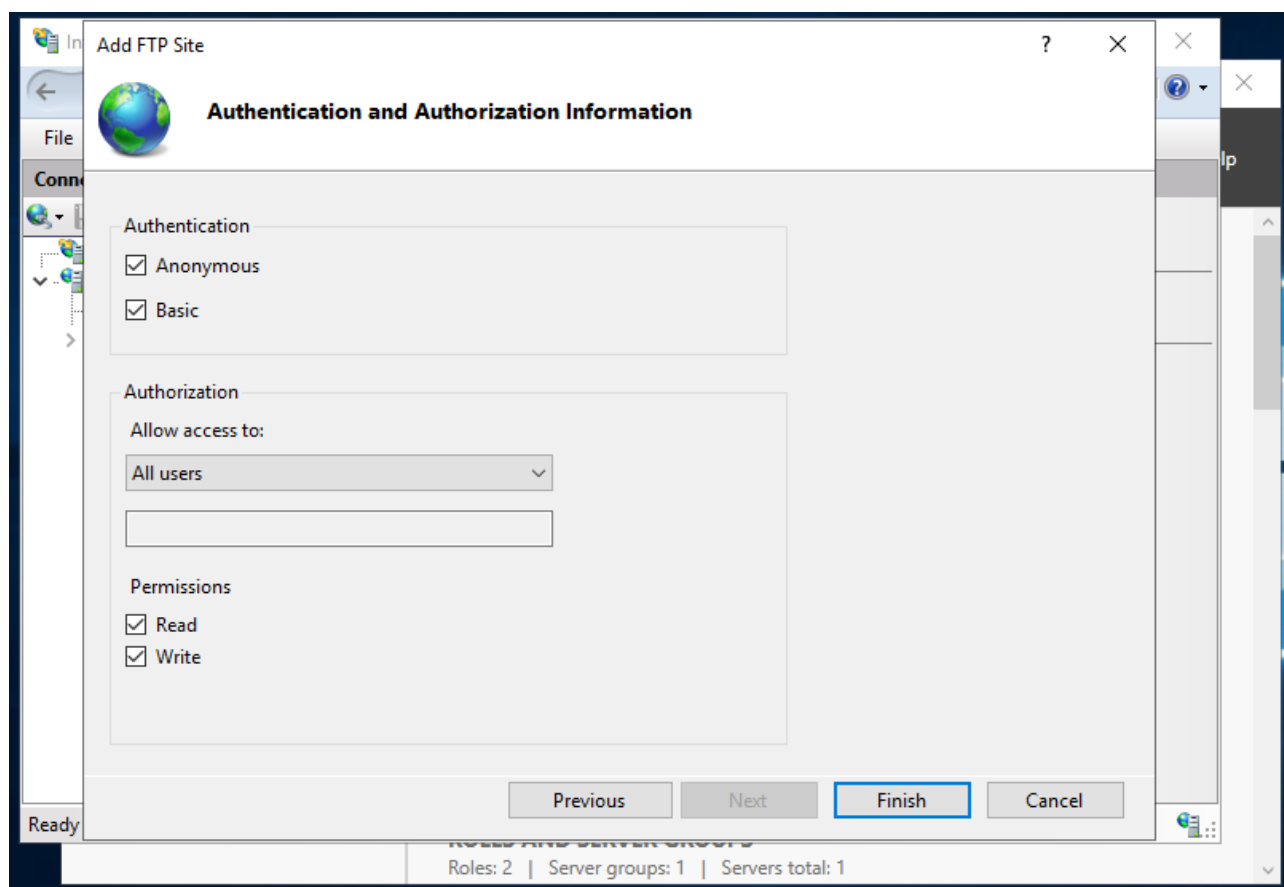
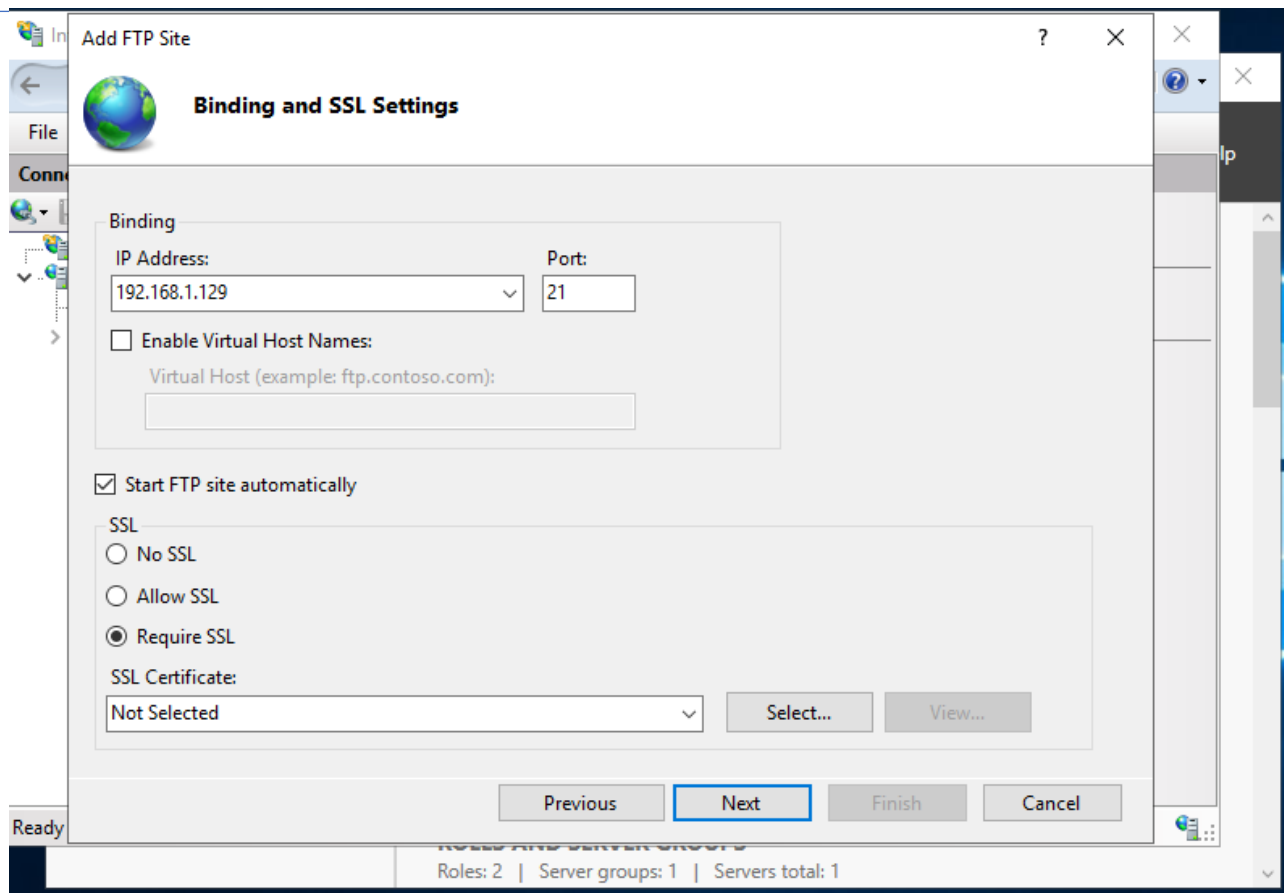


Add roles and features -> IIS



IIS manager -> FTP sites



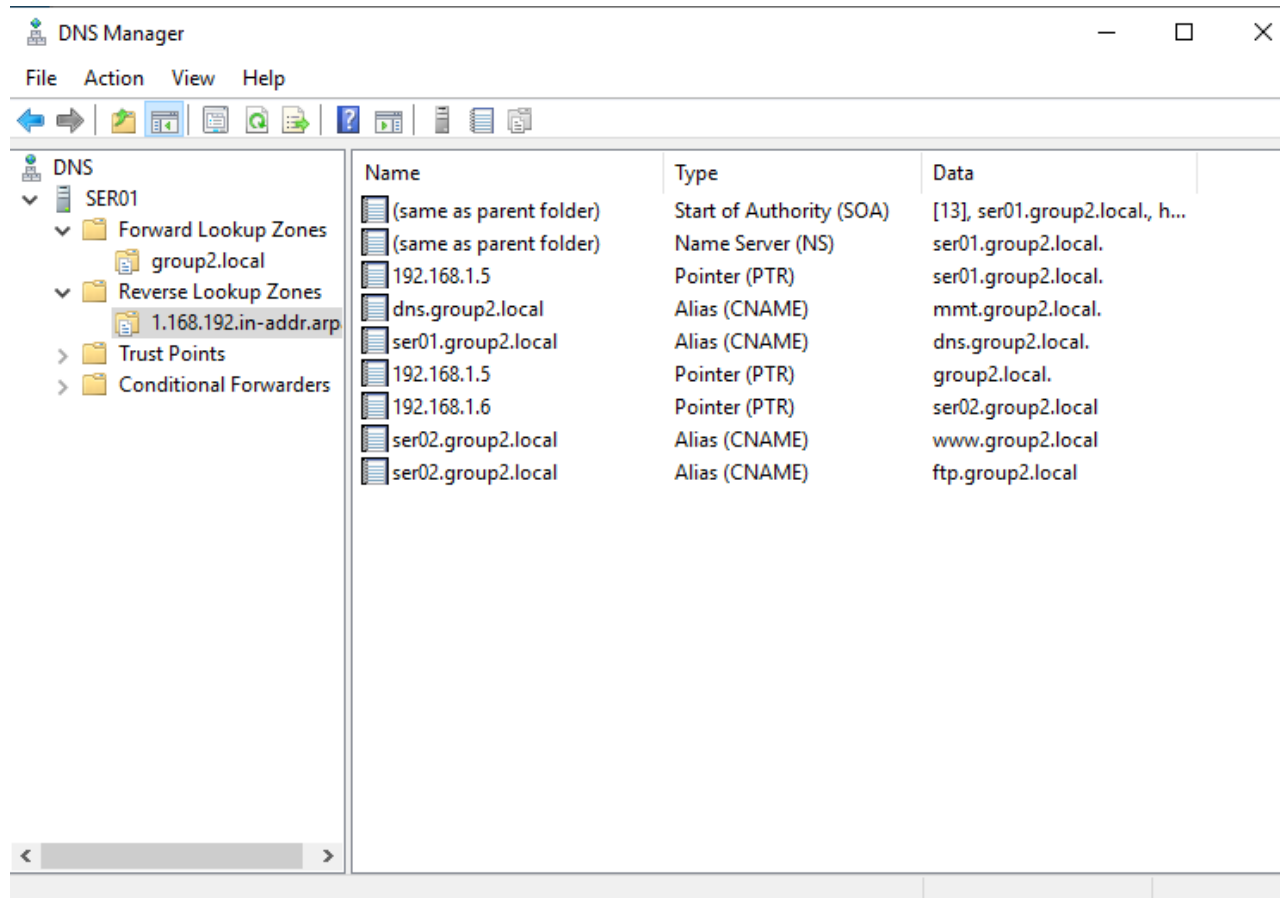
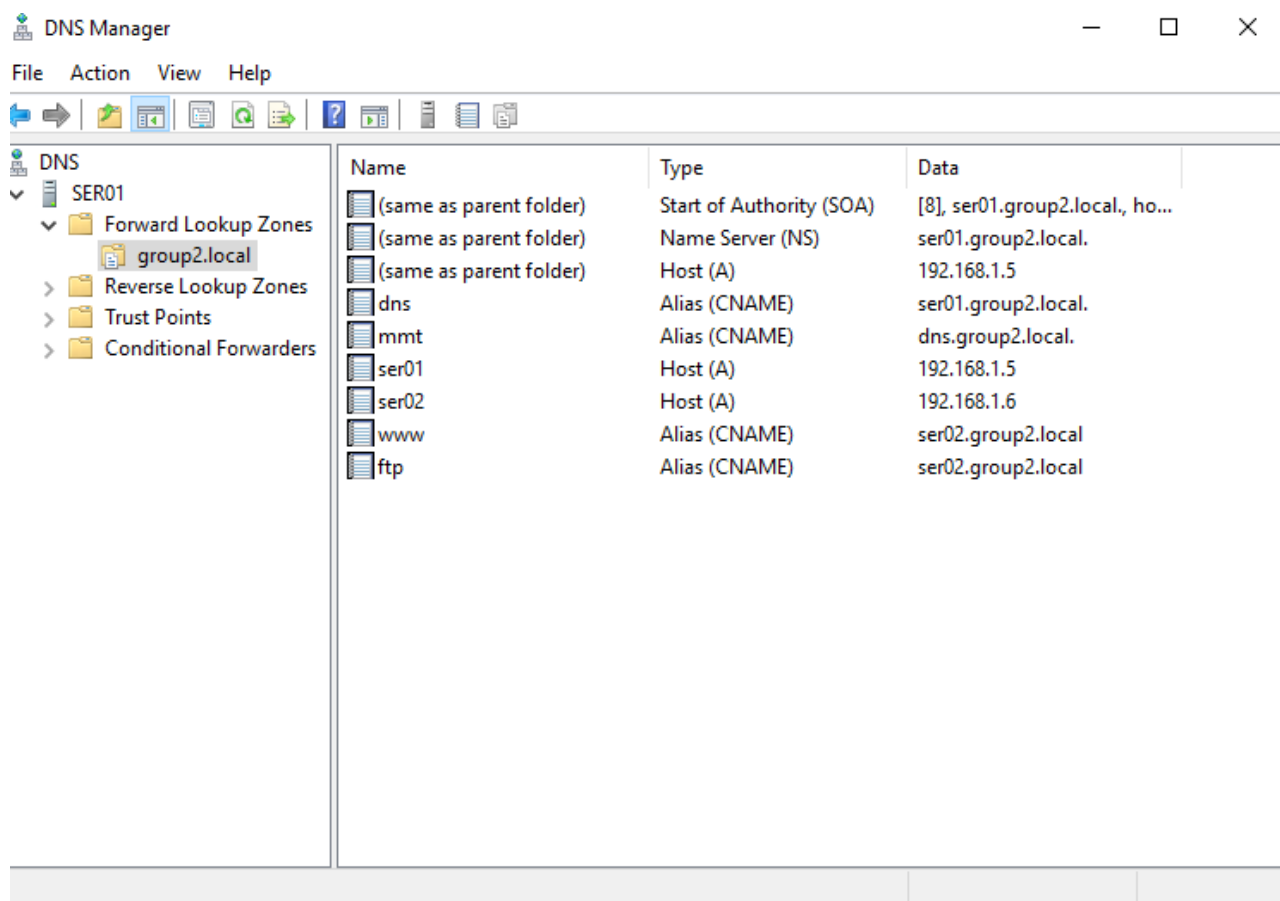


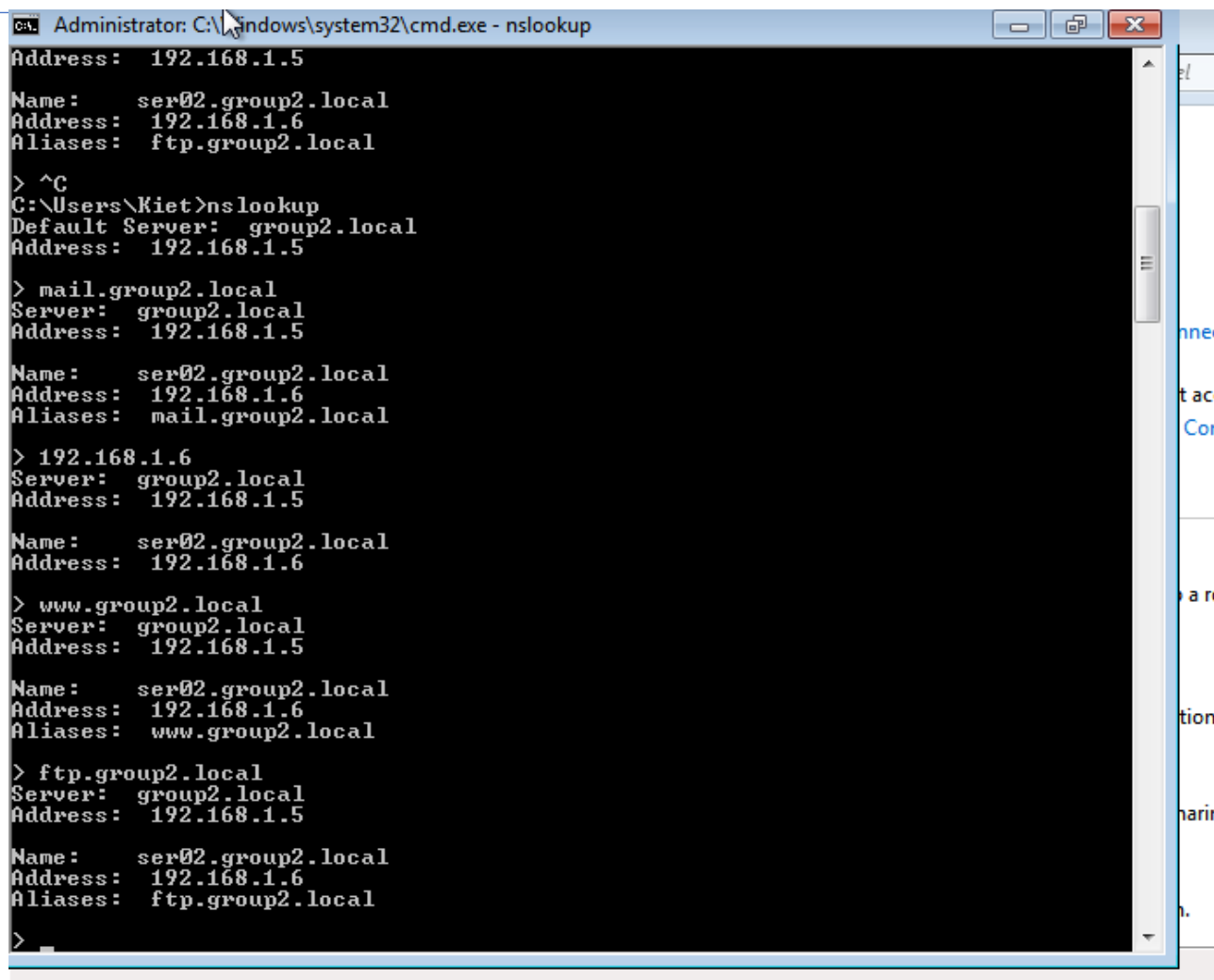
Server 1:

*Khoa Mạng máy tính và
Truyền thông*

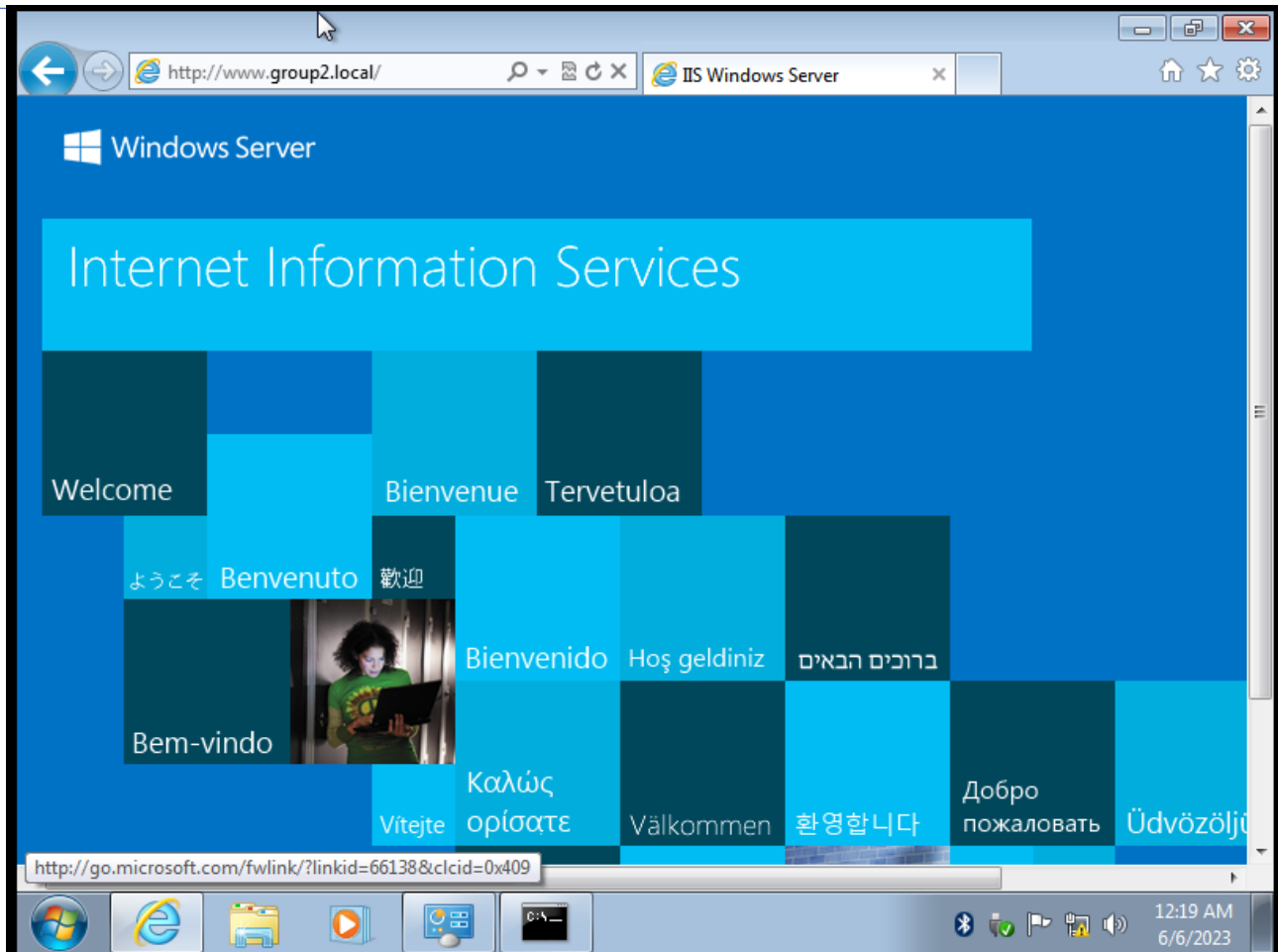
BÁO CÁO THỰC HÀNH

Add new DNS records



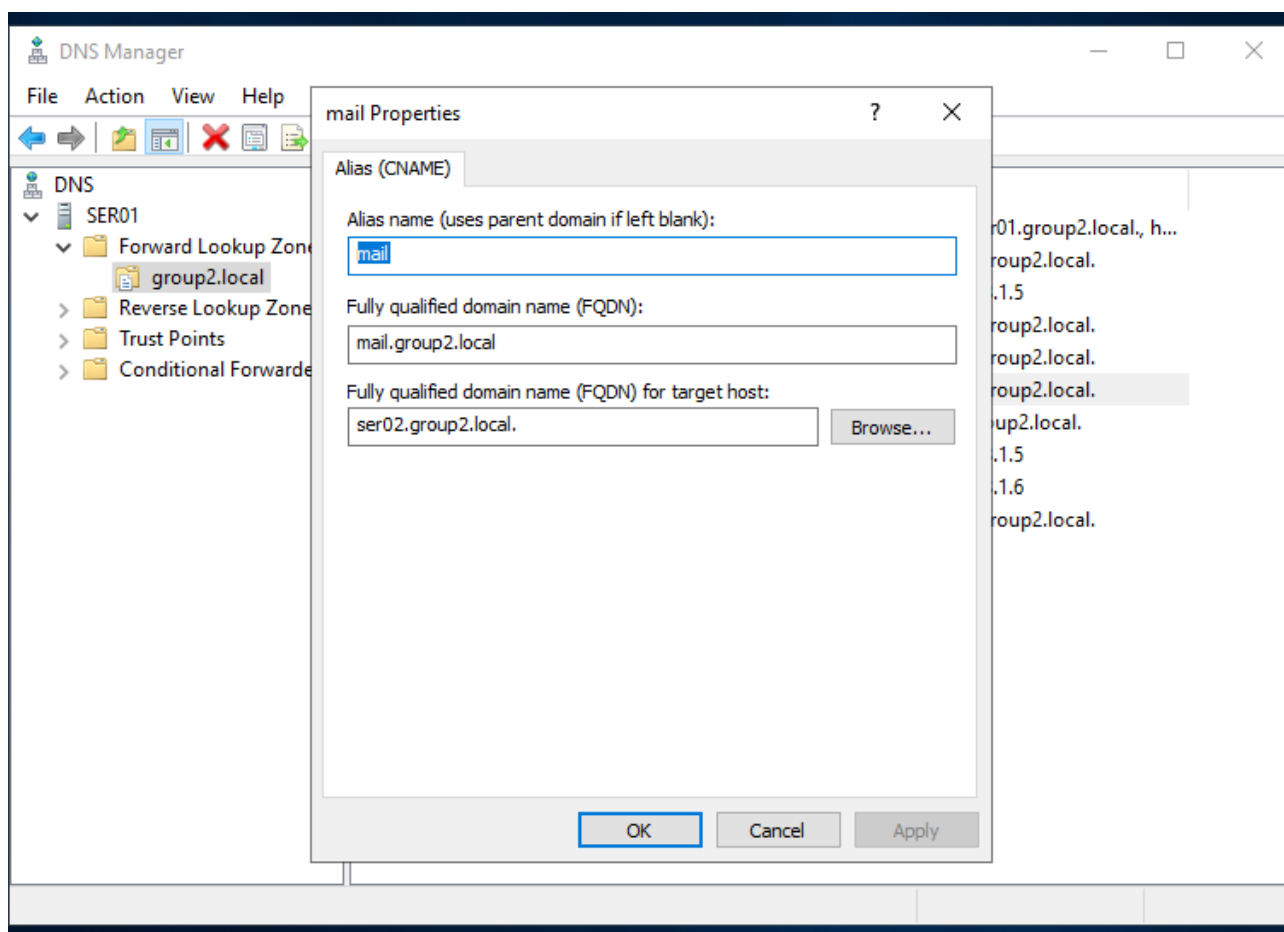


```
C:\Administrator: C:\Windows\system32\cmd.exe - nslookup
Address: 192.168.1.5
Name: ser02.group2.local
Address: 192.168.1.6
Aliases: ftp.group2.local
> ^C
C:\Users\Kiet>nslookup
Default Server: group2.local
Address: 192.168.1.5
> mail.group2.local
Server: group2.local
Address: 192.168.1.5
Name: ser02.group2.local
Address: 192.168.1.6
Aliases: mail.group2.local
> 192.168.1.6
Server: group2.local
Address: 192.168.1.5
Name: ser02.group2.local
Address: 192.168.1.6
> www.group2.local
Server: group2.local
Address: 192.168.1.5
Name: ser02.group2.local
Address: 192.168.1.6
Aliases: www.group2.local
> ftp.group2.local
Server: group2.local
Address: 192.168.1.5
Name: ser02.group2.local
Address: 192.168.1.6
Aliases: ftp.group2.local
>
```



5. Mail Server

Server 01



Nói chung là làm như lập trình mạng lab 05 ...

B. TÀI LIỆU THAM KHẢO