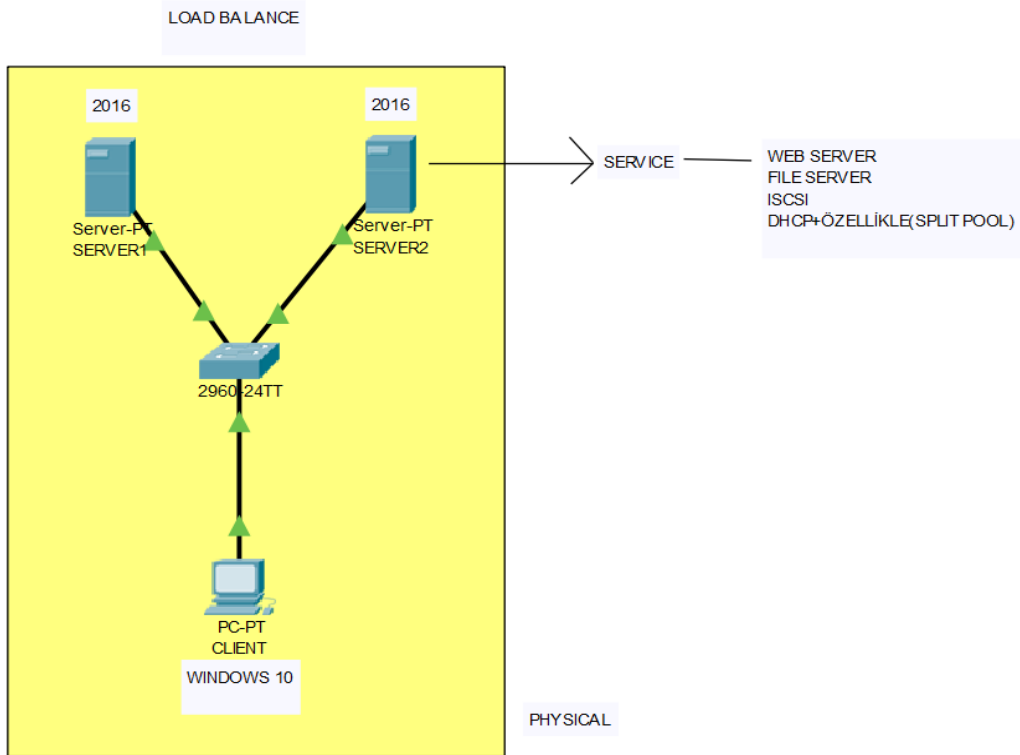


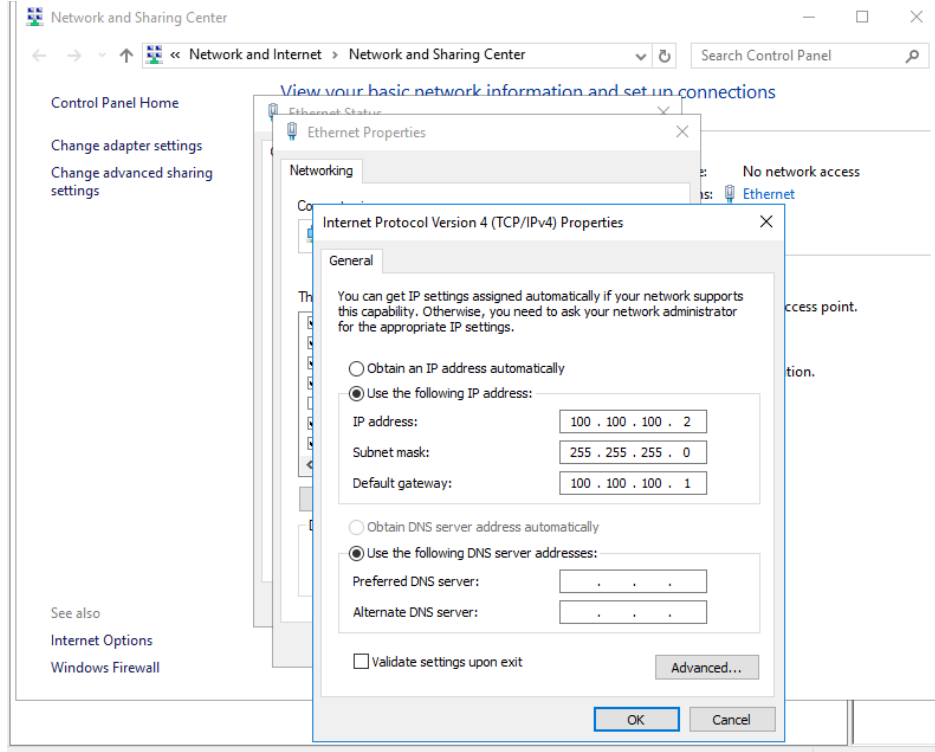
# Load Balance

## Amaç:

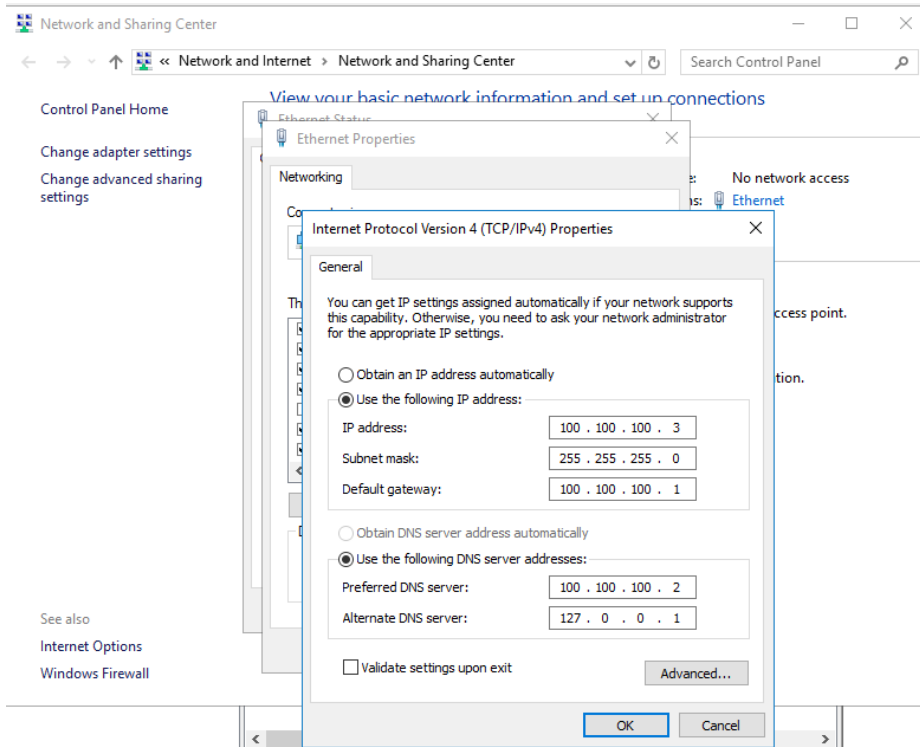
Bu topolojide serverlara bağı bir **Client** mevcut ve DHCP ile oluşan IP Scope'u **Split Scope** ile bölüştürülerek dağıtım söz konusudur. Bir server kapandığı zaman diğer serverdan IP alınacaktır.



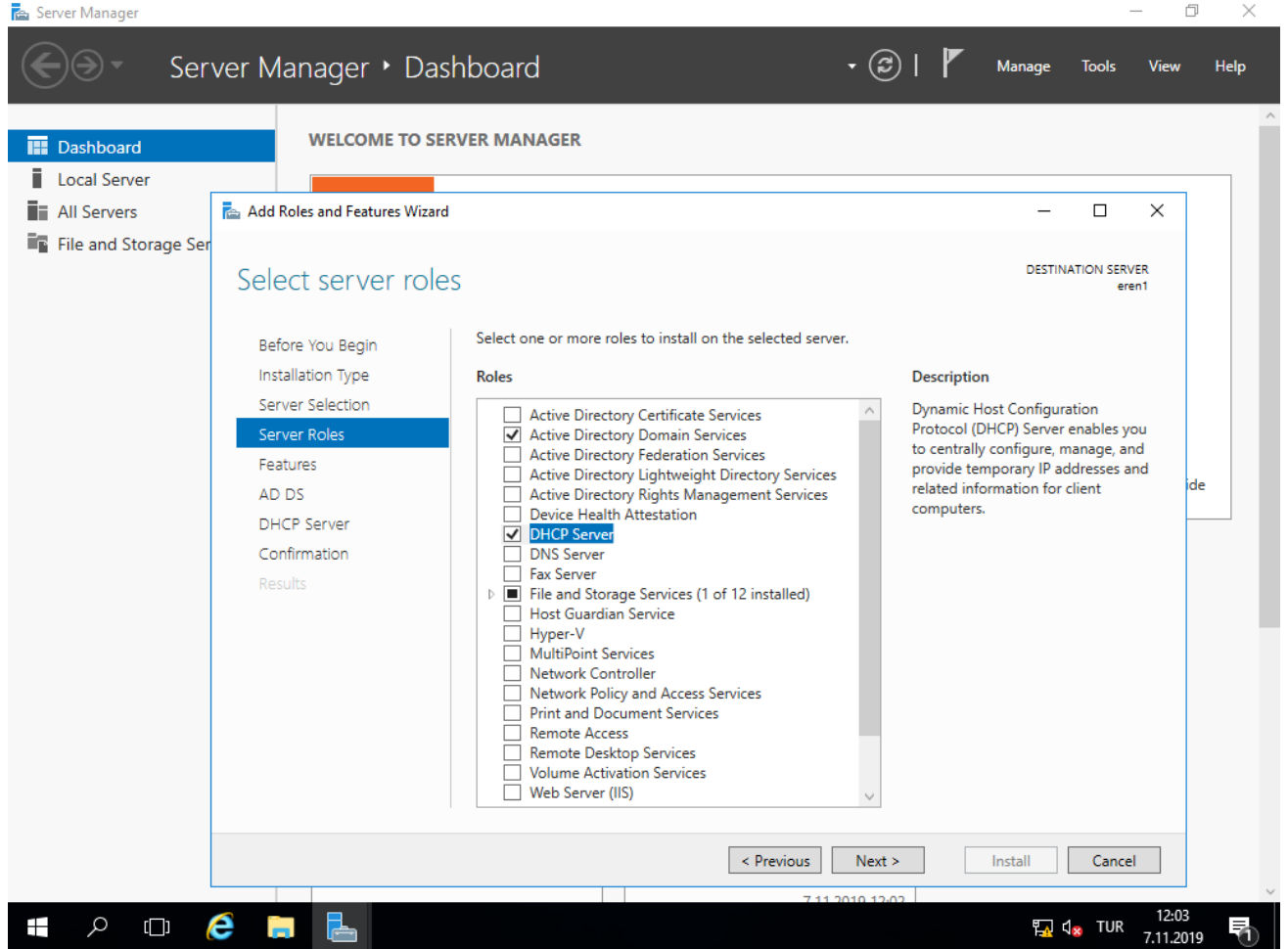
- **DC(Domain Controller)** olacak olan makinamızın adını deęiřtirip static IP veriyoruz.



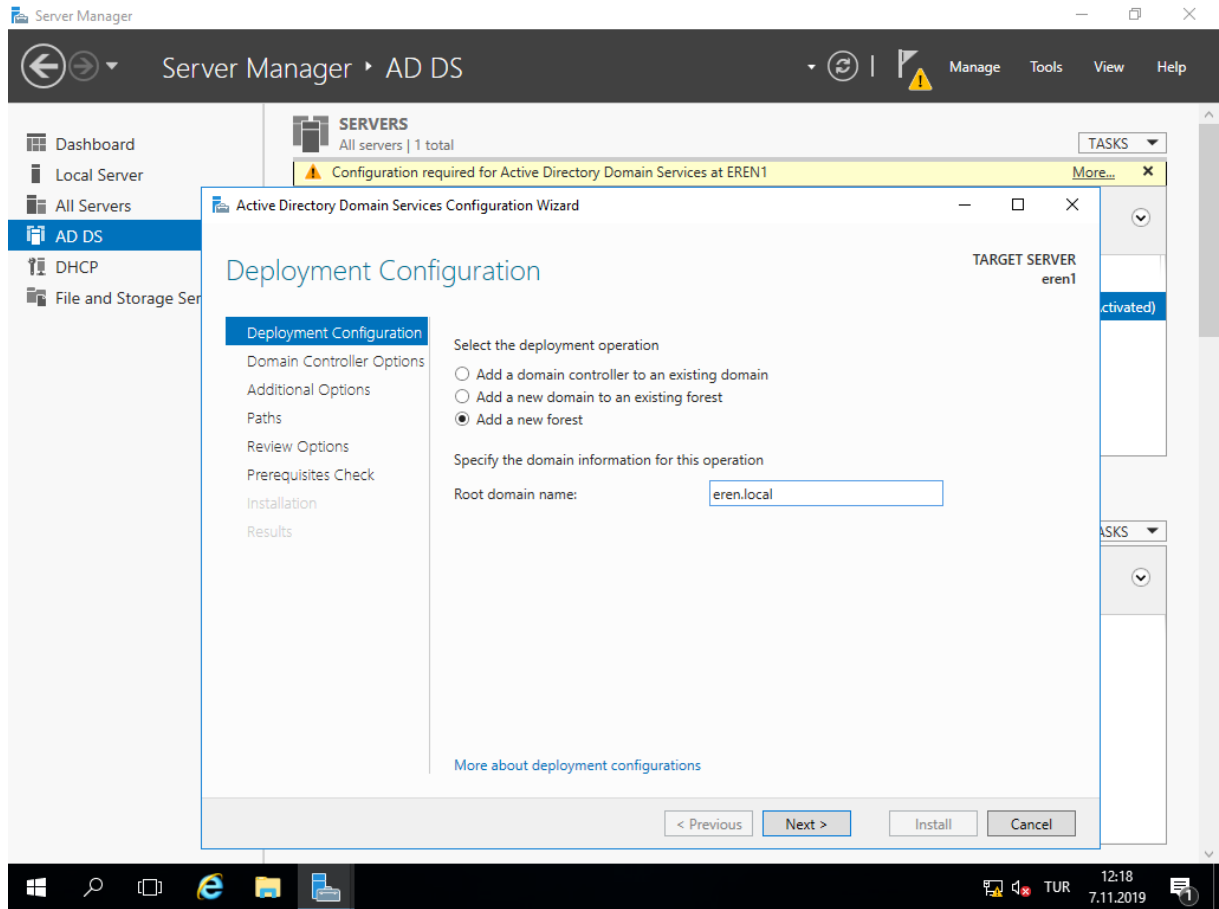
- **DA (Domain Admins)** olacak olan dięer Server sunucumuza static olarak IP veriliyor ve **Preferred DNS server addresses** kısmına DC olacak olan Server'ın IP adresi yazılarak domaine alınır.



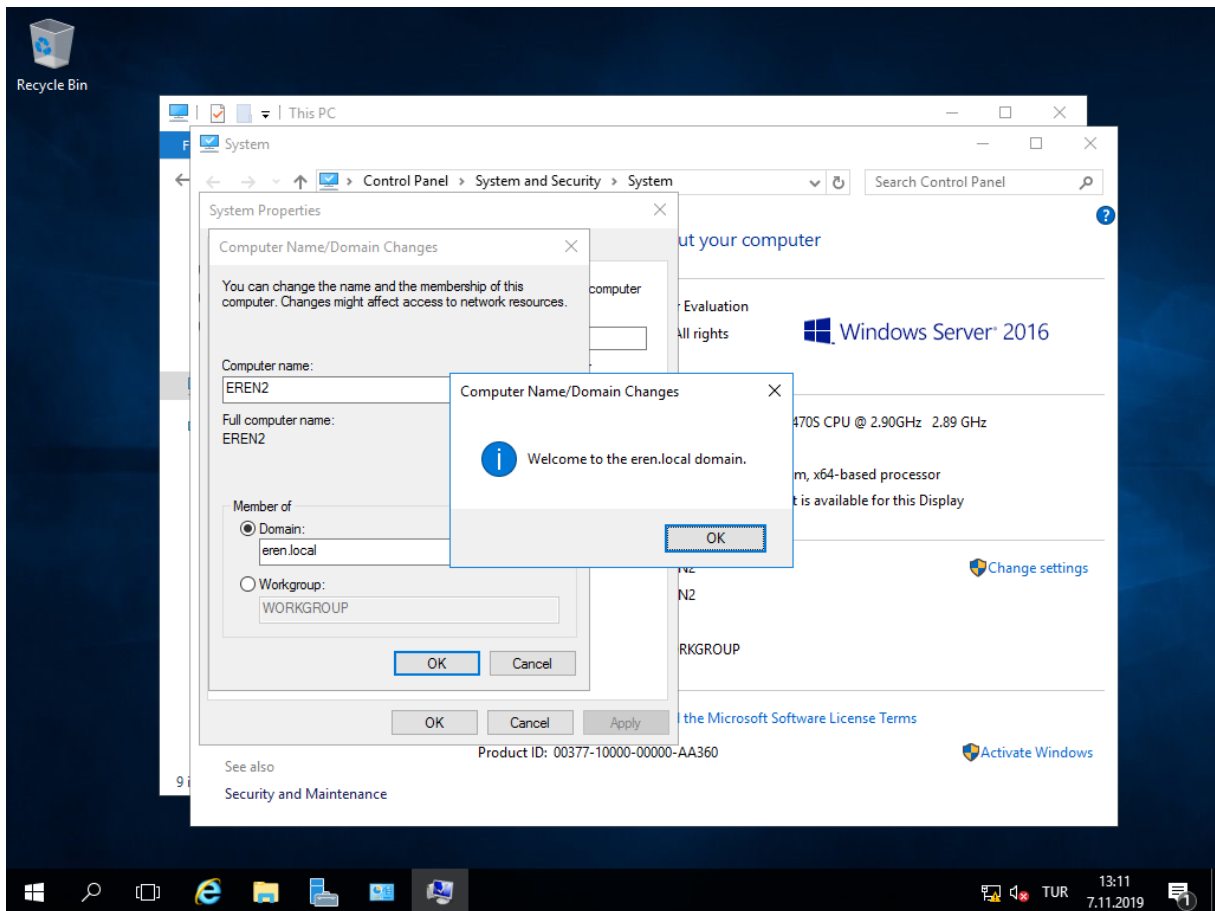
- DC olacak olan domain controller Server'ımıza **Active Directory Domain Services and DHCP Server** rolleri eklendi.



- Domain Controller yapmaya başlıyoruz.Active Directory Domain Services promote etmemiz gerekiyor.
- **Add a new forest** > **eren.local** **root domain name** yazılır.
- Server 1 domain controller olacaktır.



- Server 2 domain eren.local'e eklendi.



- Server2 yani domain admins olacak sunucumuza **Domain Admins** görevi ekliyoruz.

EREN2

TASKS SECTIONS

Computer  
Managed By  
Member Of  
Policy  
Silo  
Delegation  
Extensions

Domain controller type: Workstation or server OS version: 10.0 (14393)  
Site: Service pack:  
Description: ☐ Protect from accidental deletion

Managed By

Managed by: Edit... Clear Office:  
Phone numbers: Address:  
Main: Street  
Mobile: City State/Province Zip/Postal code  
Fax: Country/Region:

Member Of

Filter

Name Active Director... Primary

Domain Admins eren-Users-Do... ✓

Domain Computers eren-Users-Do...

Add... Remove Set Primary Group

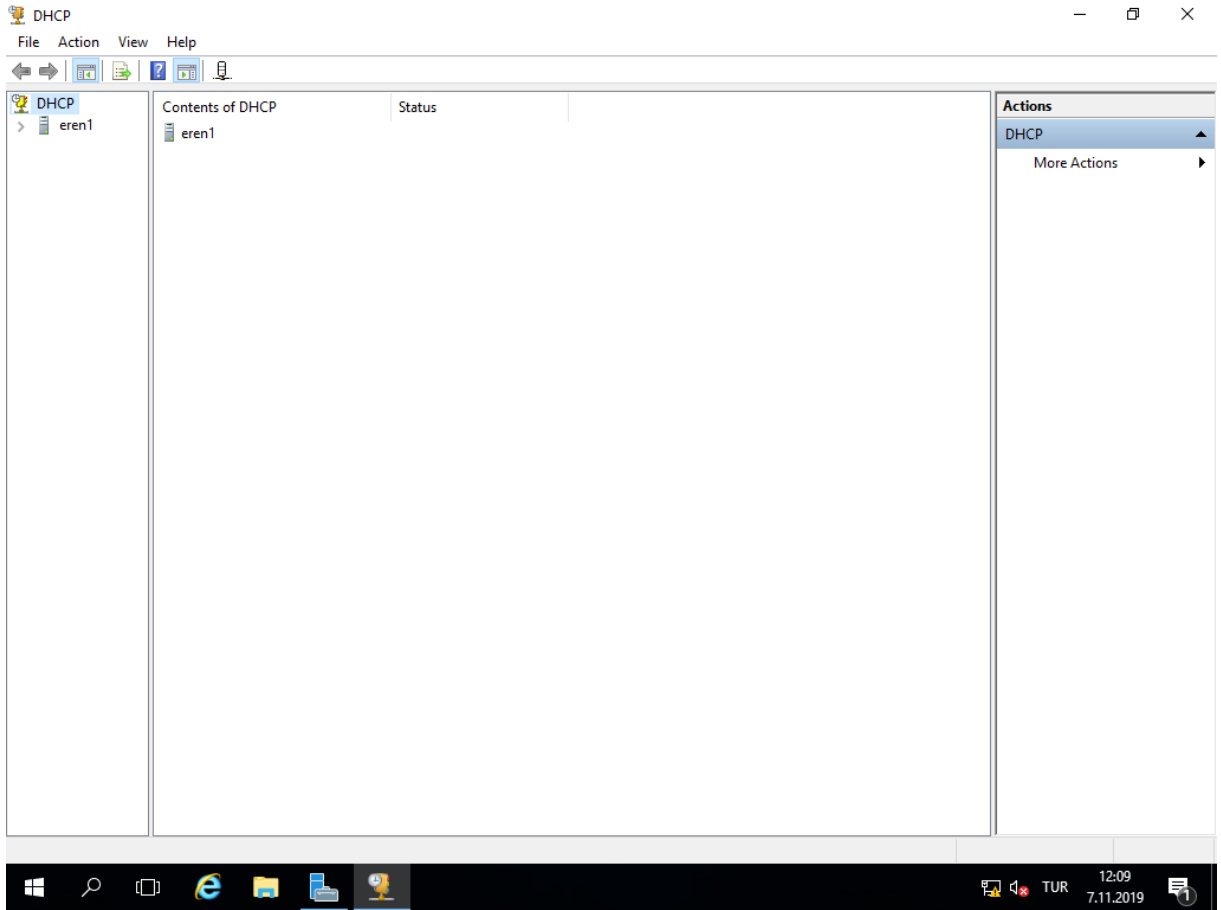
Authentication Policy

☐ Assign an authentication policy to this account.  
Authentication Policy (if not member of a Silo):

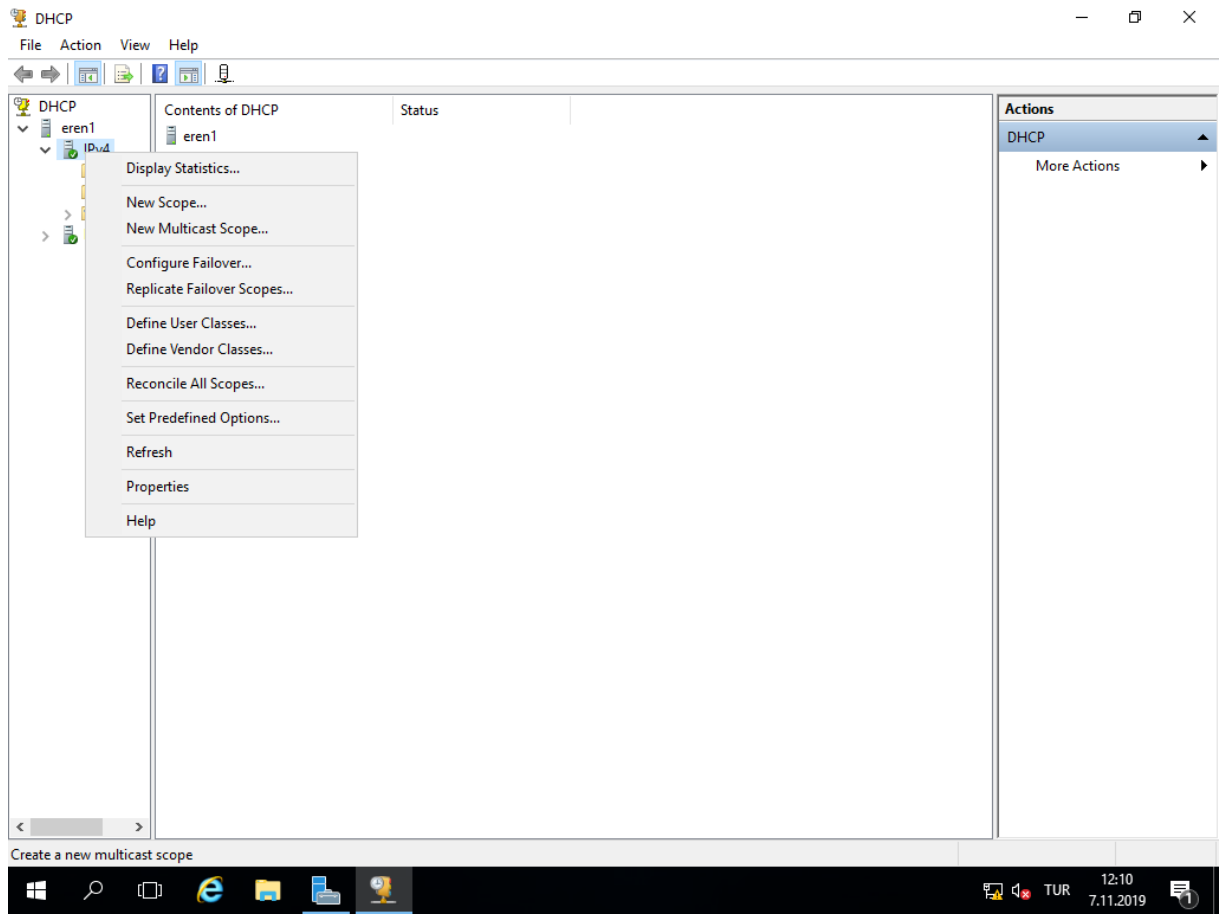
More Information OK Cancel

13:16 7.11.2019 TUR

- **DHCP Manager'a** girildi.Eren1 adlı server adı olarak görüldü.

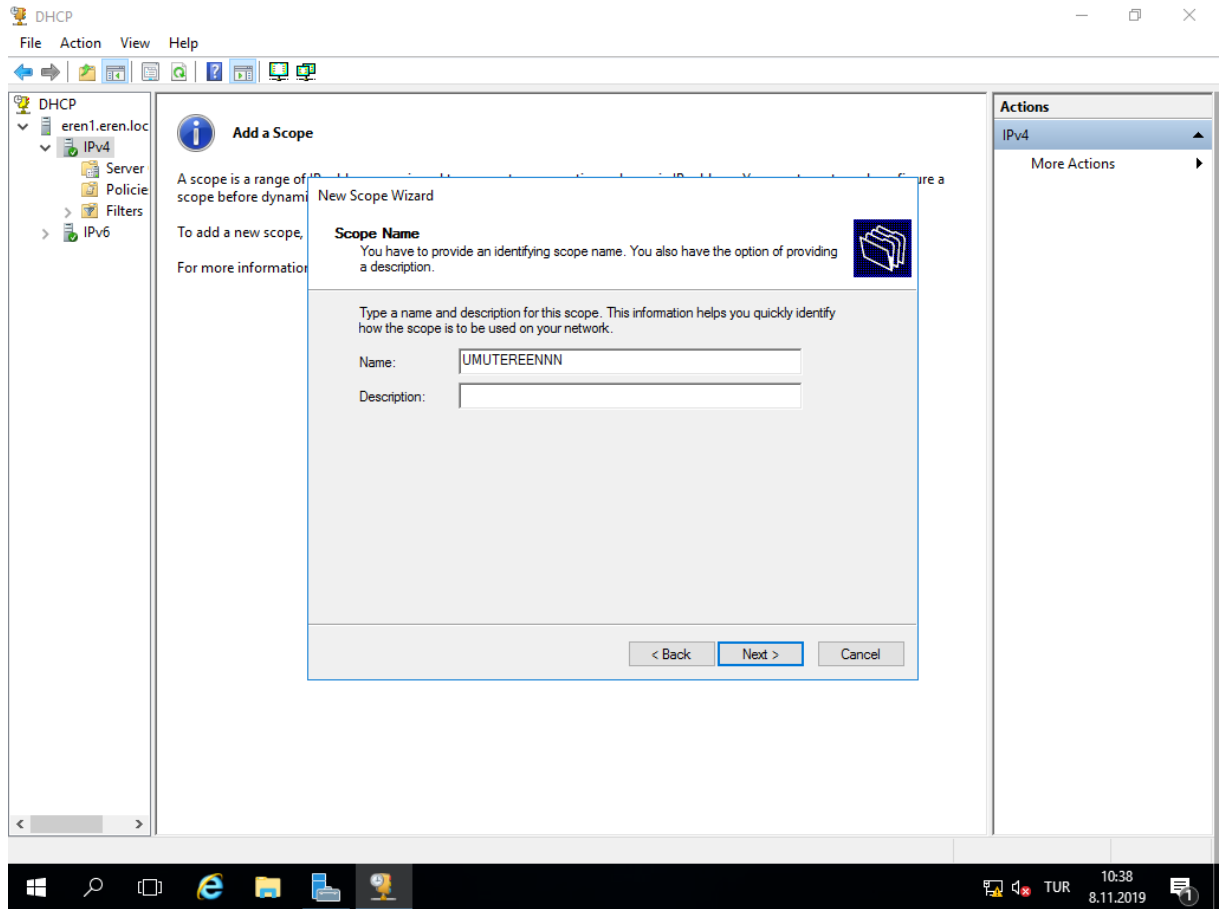


- **IPv4 > right click > New Scope** oluşturulacaktır.

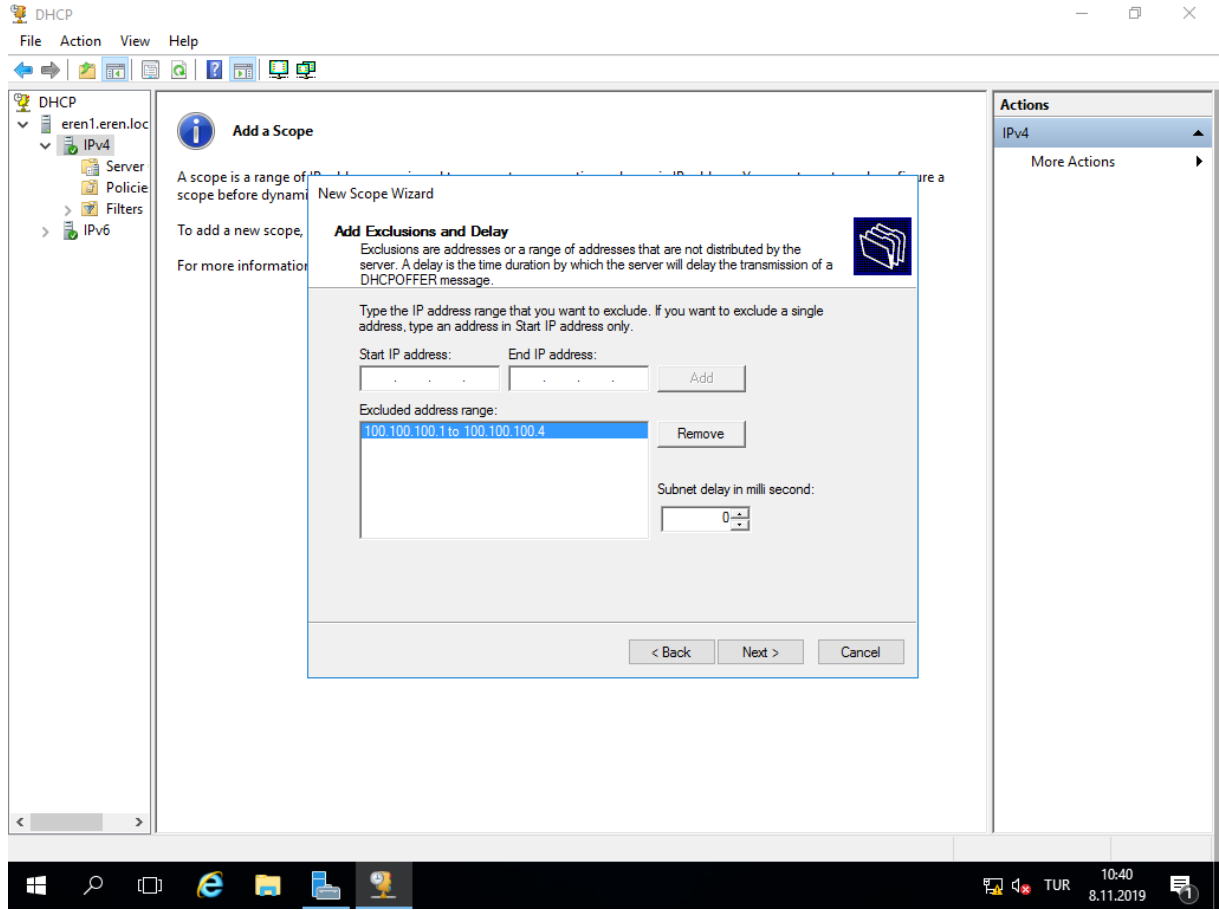




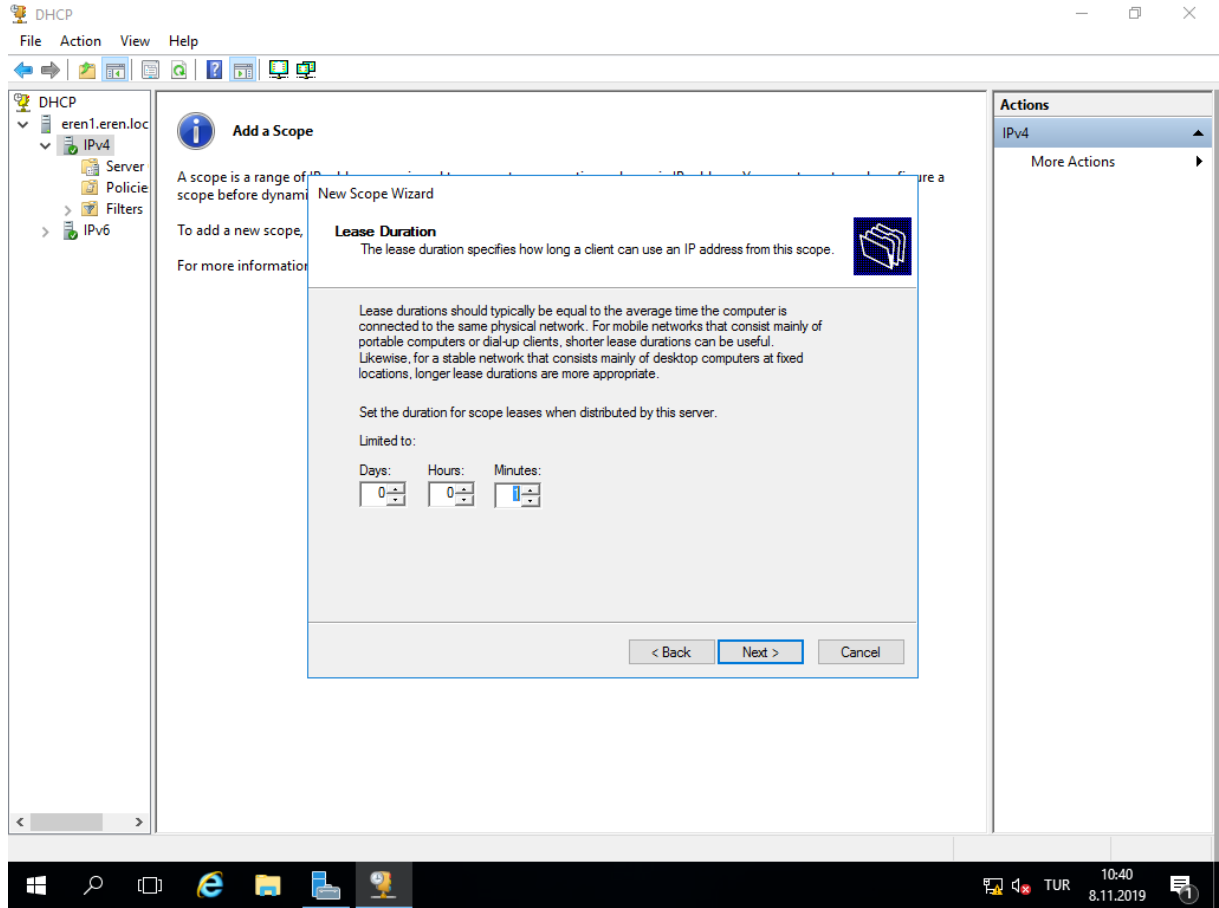
- Eren1 Server'ımıza **DHCP** kurulumundan sonra oluşan Scope'umuz aşağıdaki gibidir.



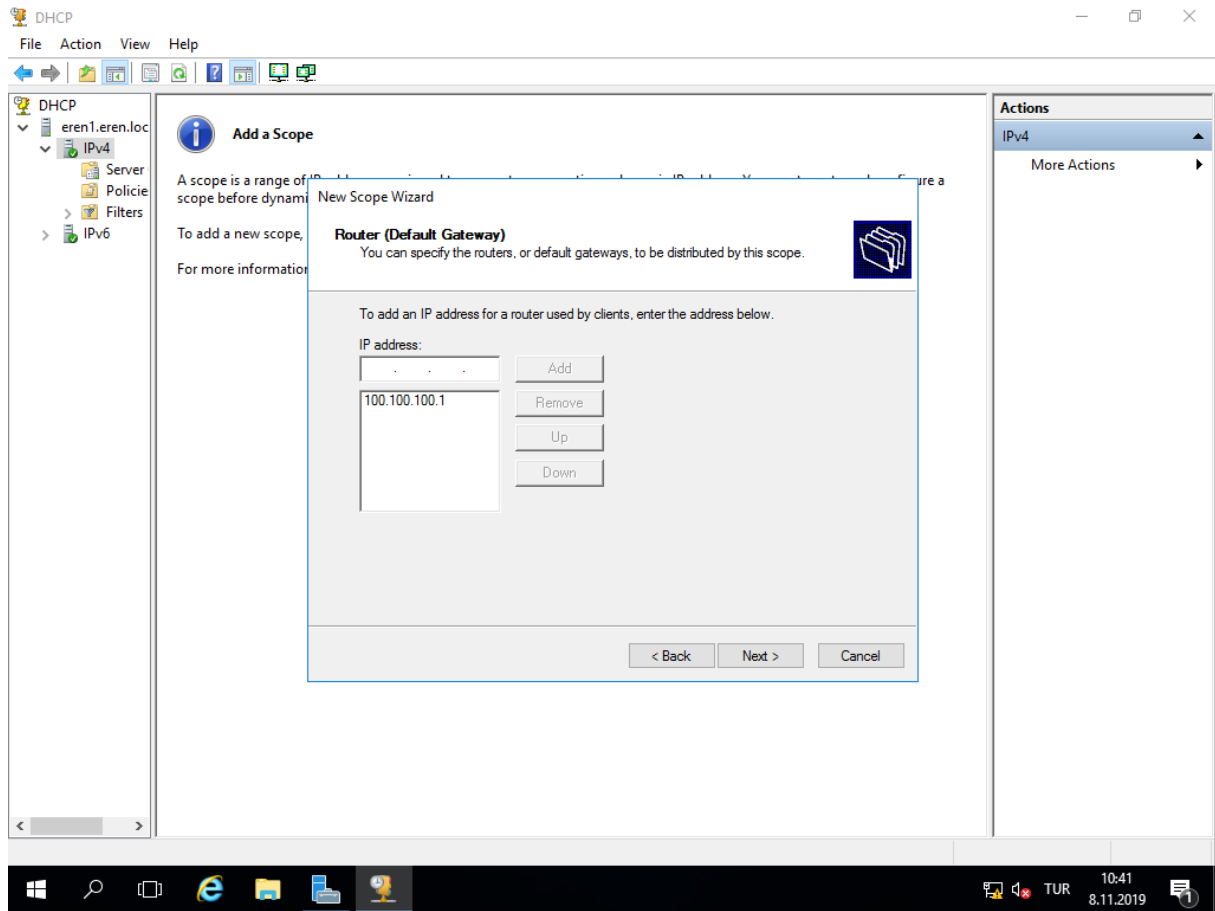
- Scope'umuz için **Start IP Address** 100.100.100.1 **End IP Address** 100.100.100.200 şeklinde belirledik.
- Scope'umuz için excluded yapılacak olan IPler yazıldı.



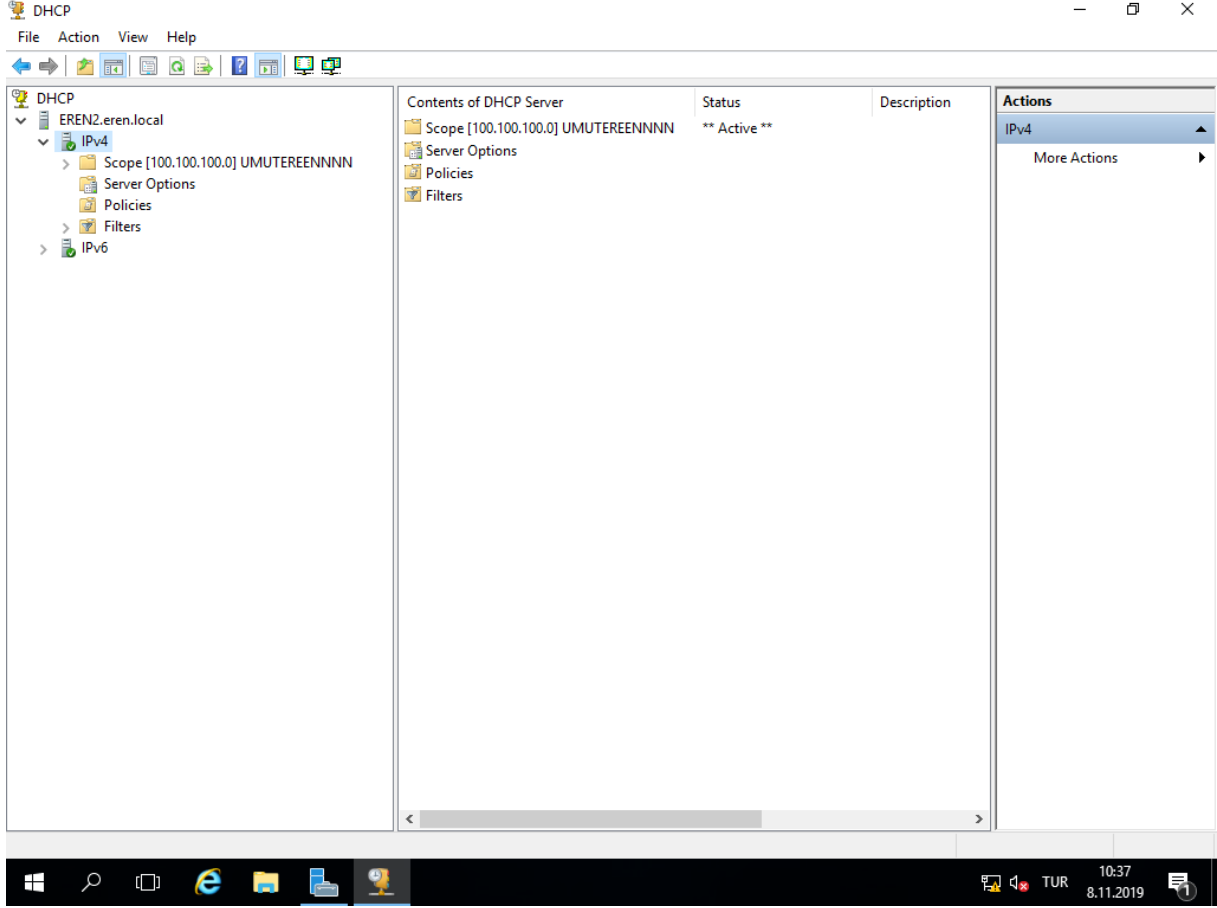
- Scope içerisindeki IPler'in kiralama süresi ayarlandı.



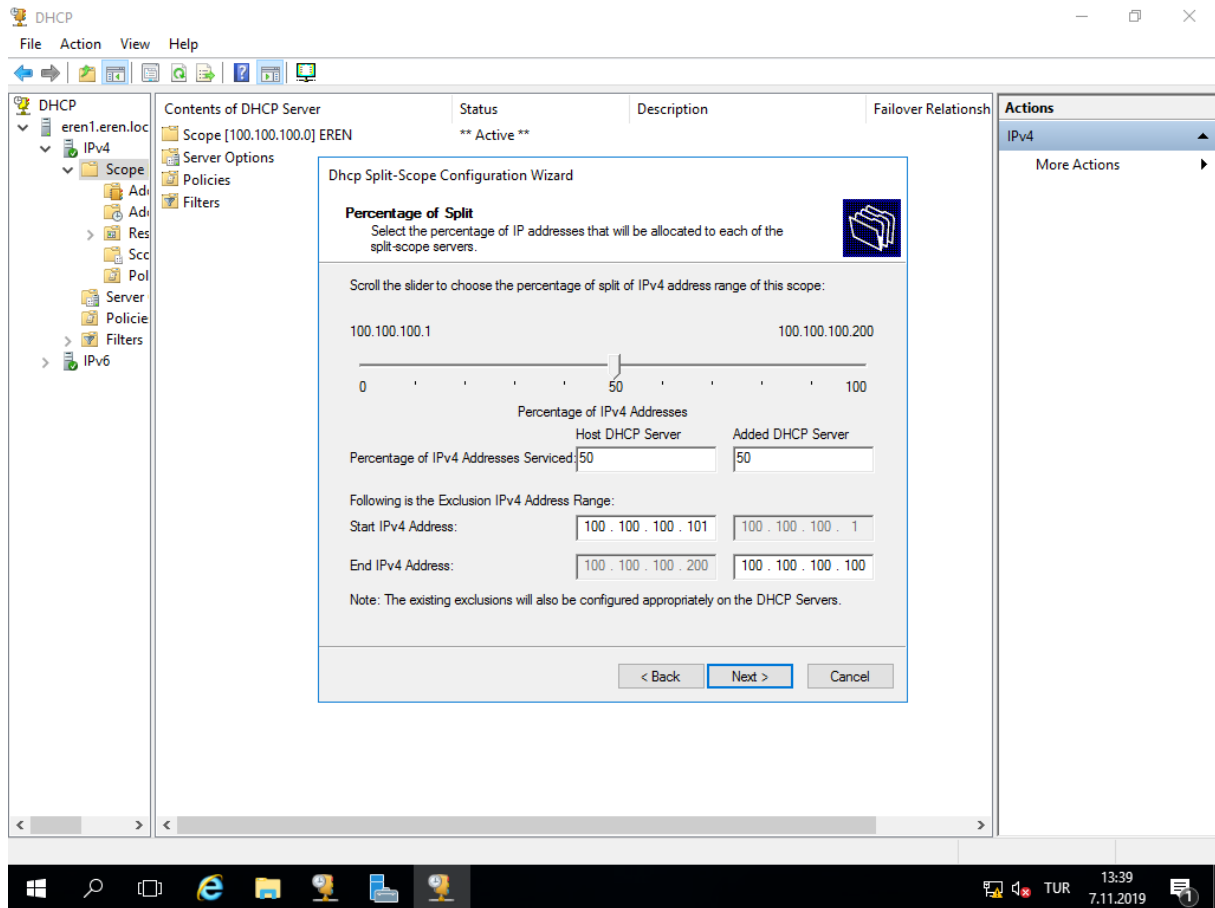
- **Router (Default Gateway) IP Address 100.100.100.1 yazıldı.**



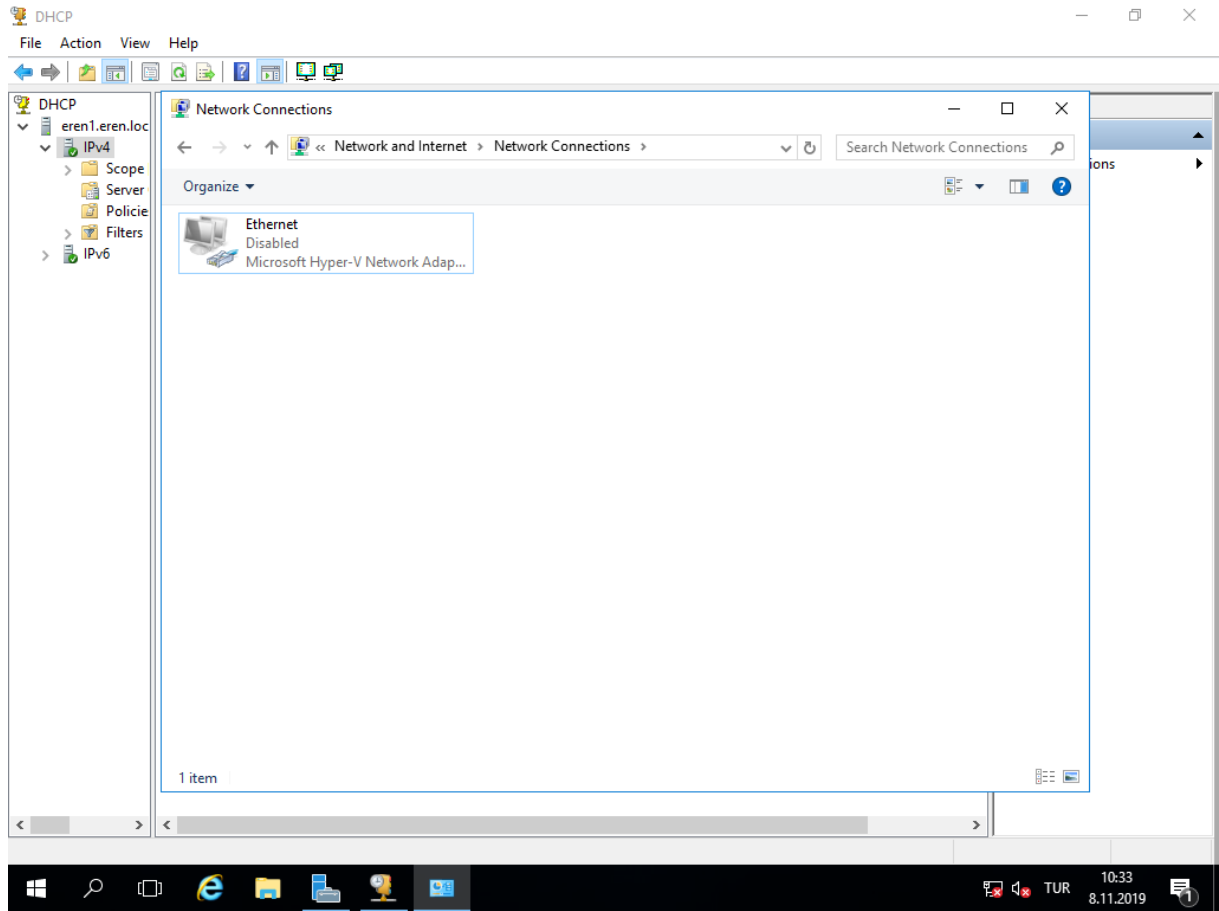
- Oluşan Scope'umuz **active** bir şekilde DHCP manager içerisinde görülüyor.



- **Scope > right click > advance > Split Scope** oluşturulur.
- **%50** havuzumu yarı oranda paylaşacak serverlarımız.

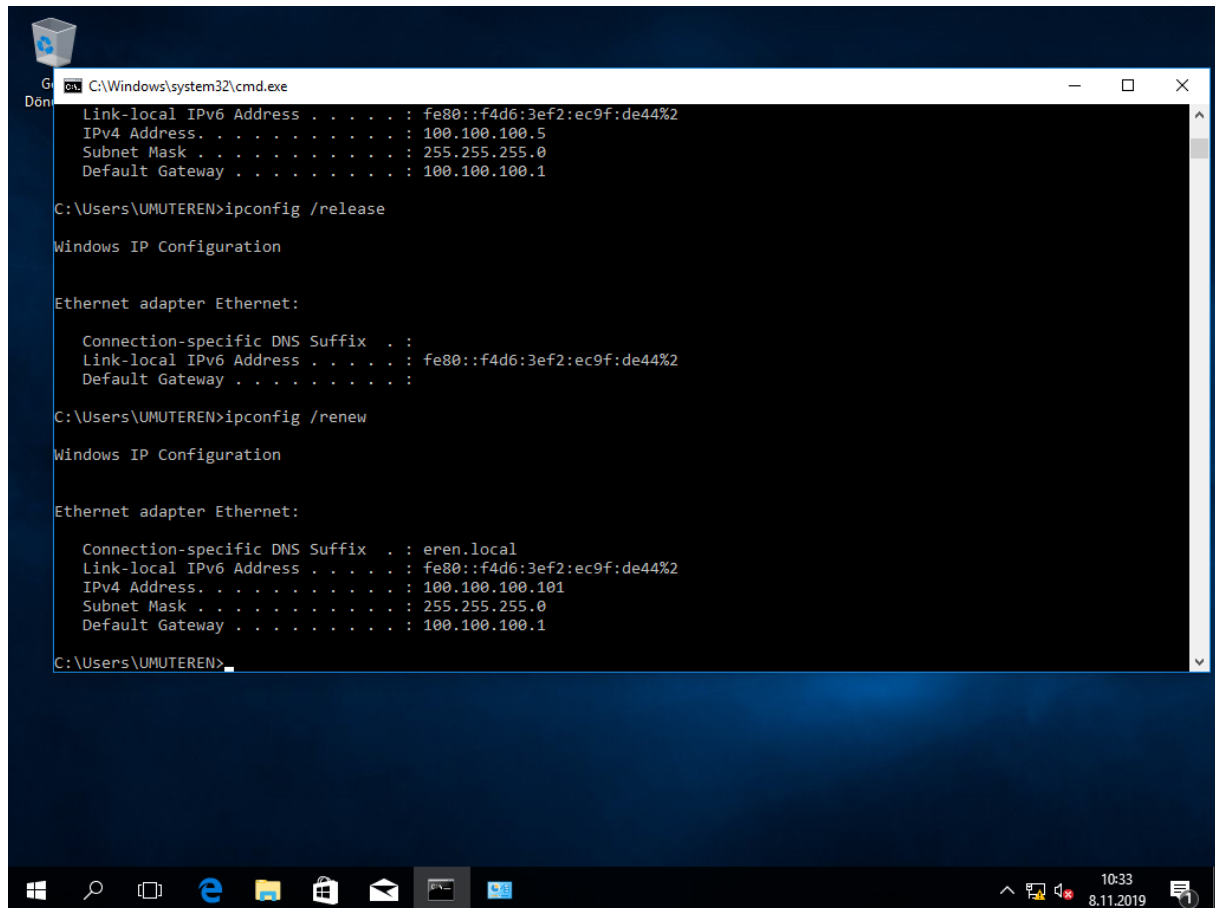


- Server 1 bağlantısı kesildi.Yani Ethernet bağlantımız disabled yapıldı.
- Client'ımız Server 2 'den IP alması gerekiyor.





- Evet, görüyoruz ki Server 1 disable edildiği şekilde Client'ımız Server 2'den IP aldı.
- **Eski Static IP Address:**100.100.100.5
- **Yeni Static IP Address:**100.100.100.101 olarak şekilde görüldü.



The screenshot shows a Windows Command Prompt window titled "C:\Windows\system32\cmd.exe". The user is logged in as "UMUTEREN". The window displays the following commands and their outputs:

```
C:\Users\UMUTEREN>ipconfig /release

Windows IP Configuration

Ethernet adapter Ethernet:

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::f4d6:3ef2:ec9f:de44%2
    Default Gateway . . . . . : 

C:\Users\UMUTEREN>ipconfig /renew

Windows IP Configuration

Ethernet adapter Ethernet:

    Connection-specific DNS Suffix  . : eren.local
    Link-local IPv6 Address . . . . . : fe80::f4d6:3ef2:ec9f:de44%2
    IPv4 Address. . . . . : 100.100.100.101
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 100.100.100.1

C:\Users\UMUTEREN>
```

The taskbar at the bottom shows the Windows Start button, search icon, and several pinned applications. The system clock in the bottom right corner indicates the time is 10:33 on 8.11.2019.