

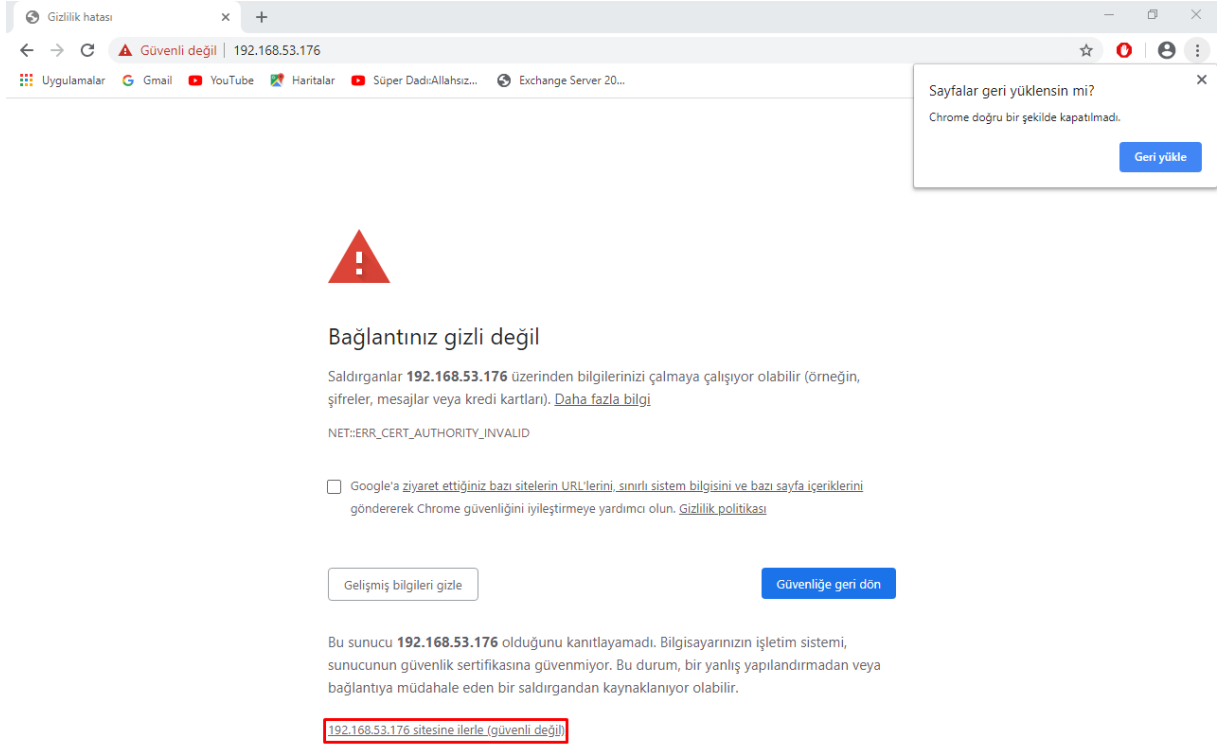
# **AZURE MIGRATION**

## **via ESXi**

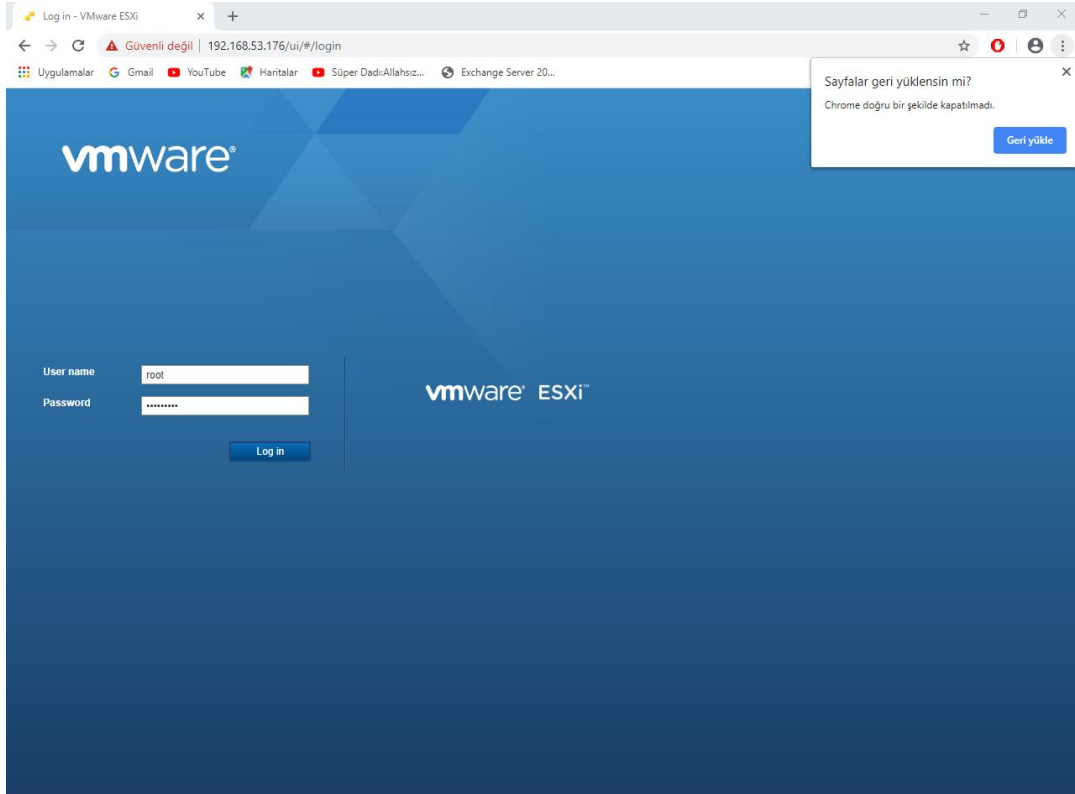
Umut Geçer

VMWare üzerinden 80 gb disk, 12 gb ram, external NIC'e sahip olan Bridged VM oluřturduk.

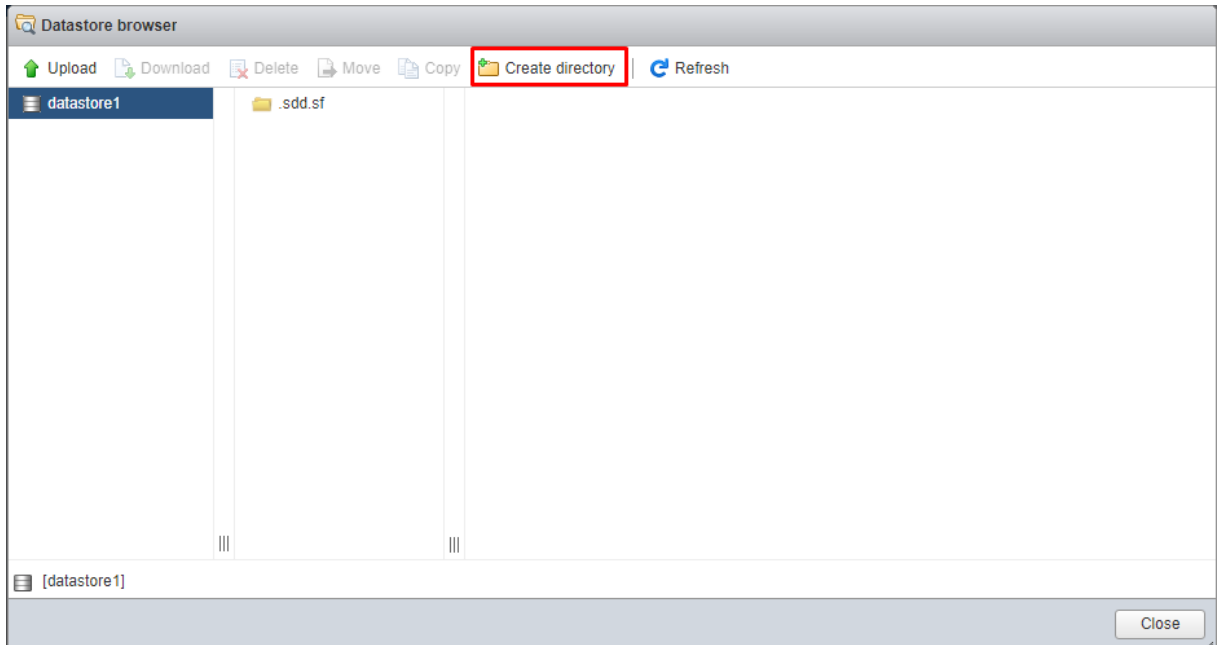
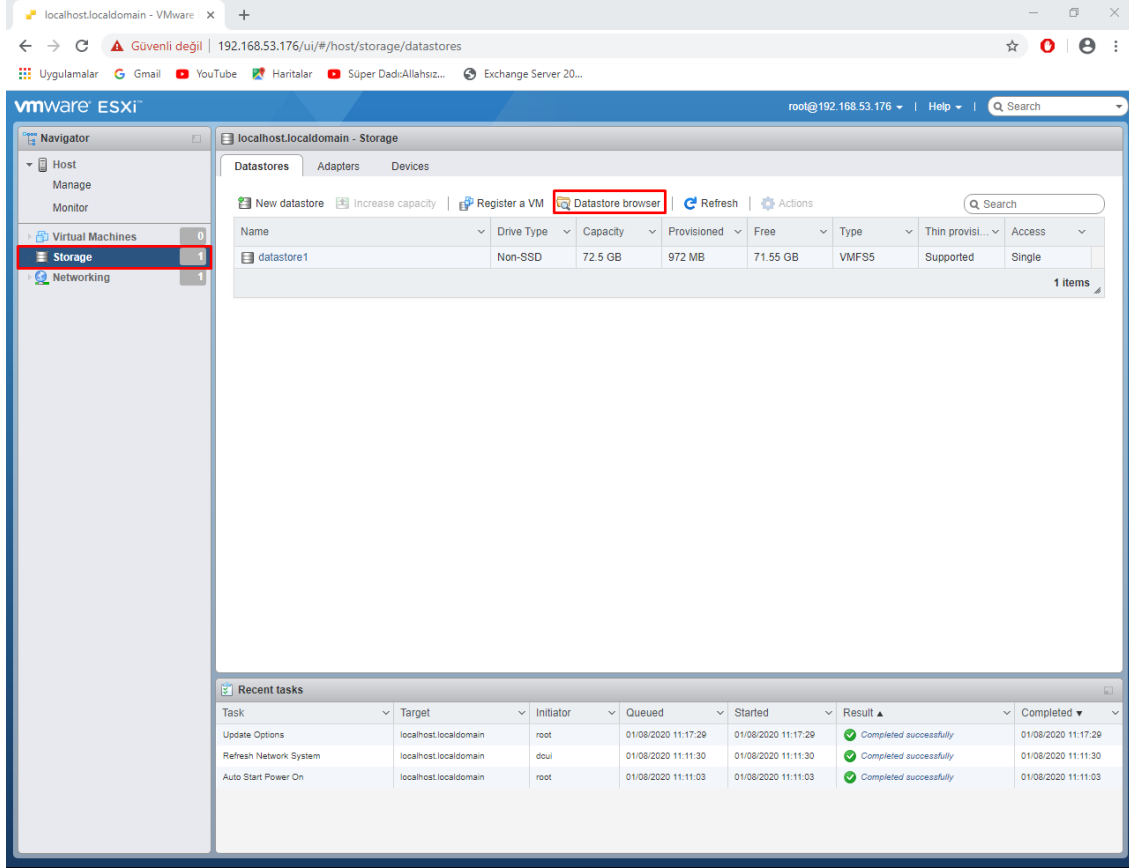
DHCP'den 192.168'li IP aldık. Fiziksel cihazdan chrome'a bu IP ile giriř yapacađız: 192.168.53.176

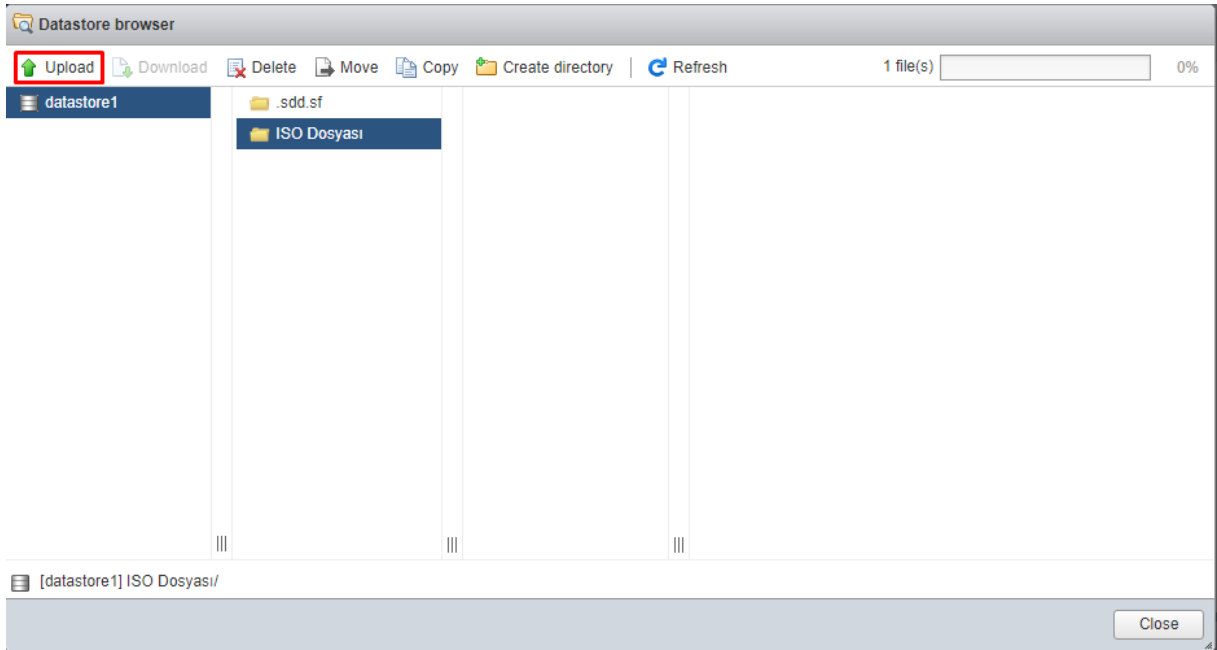
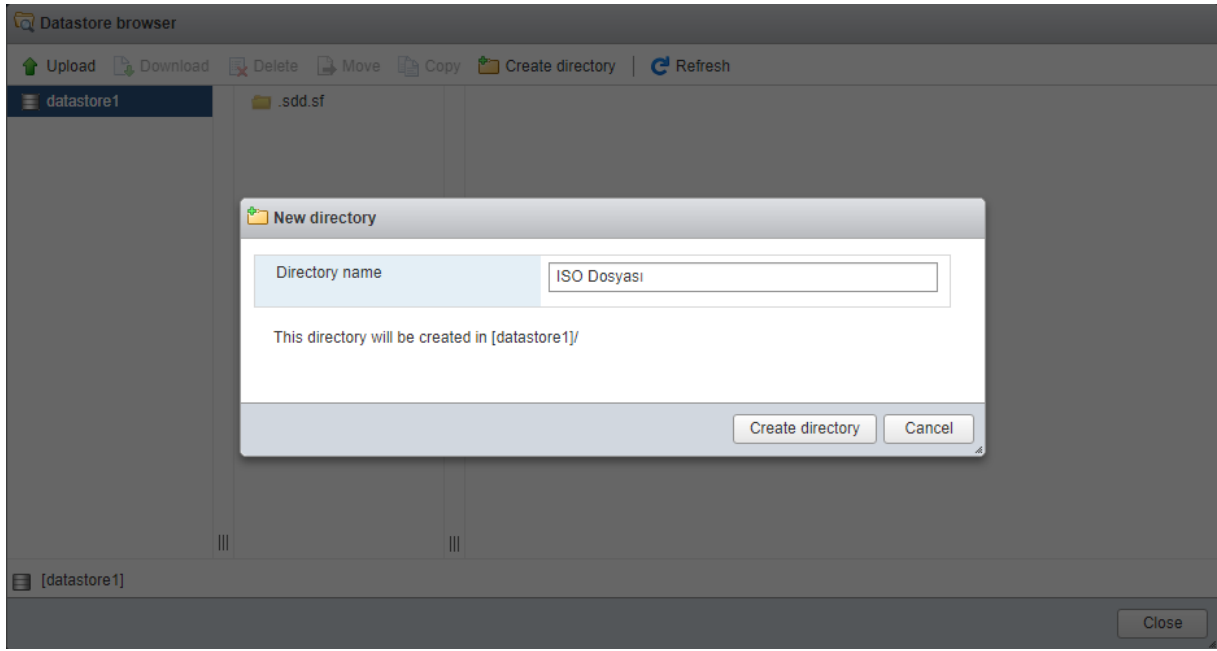


Gelişmiş tıklarız sonra > kırmızıyla belirtilen kısma tıklarız.

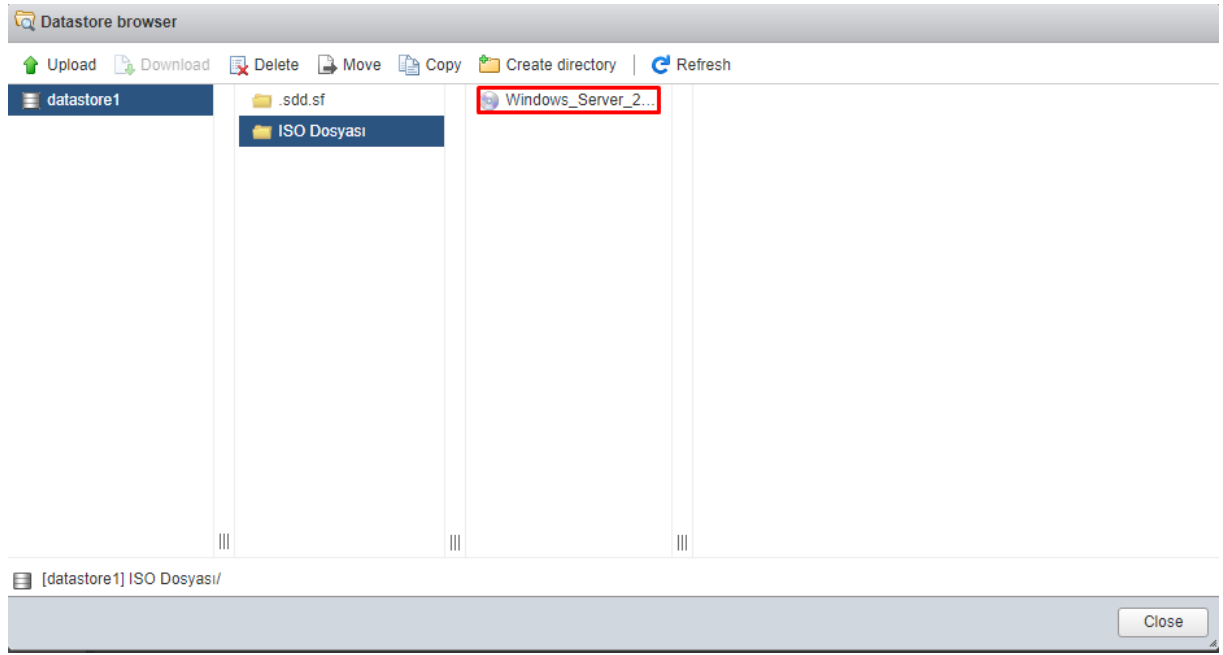


Login portal açılır. Kullanıcı adı default olarak “root”. Şifreyi biz belirleriz.





Upload dedik ve browse penceresi açıldı > WS 2016 seçtik. 1 file(s) %0 diyen kısımda yükleniyor.



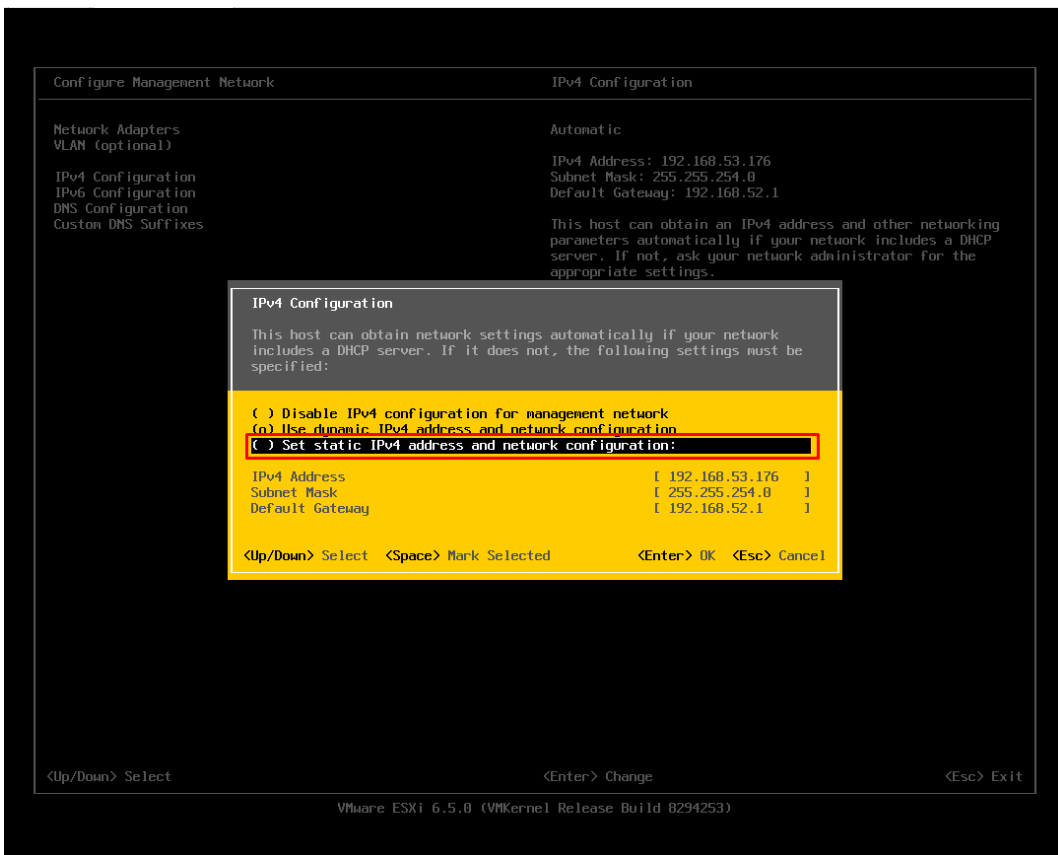
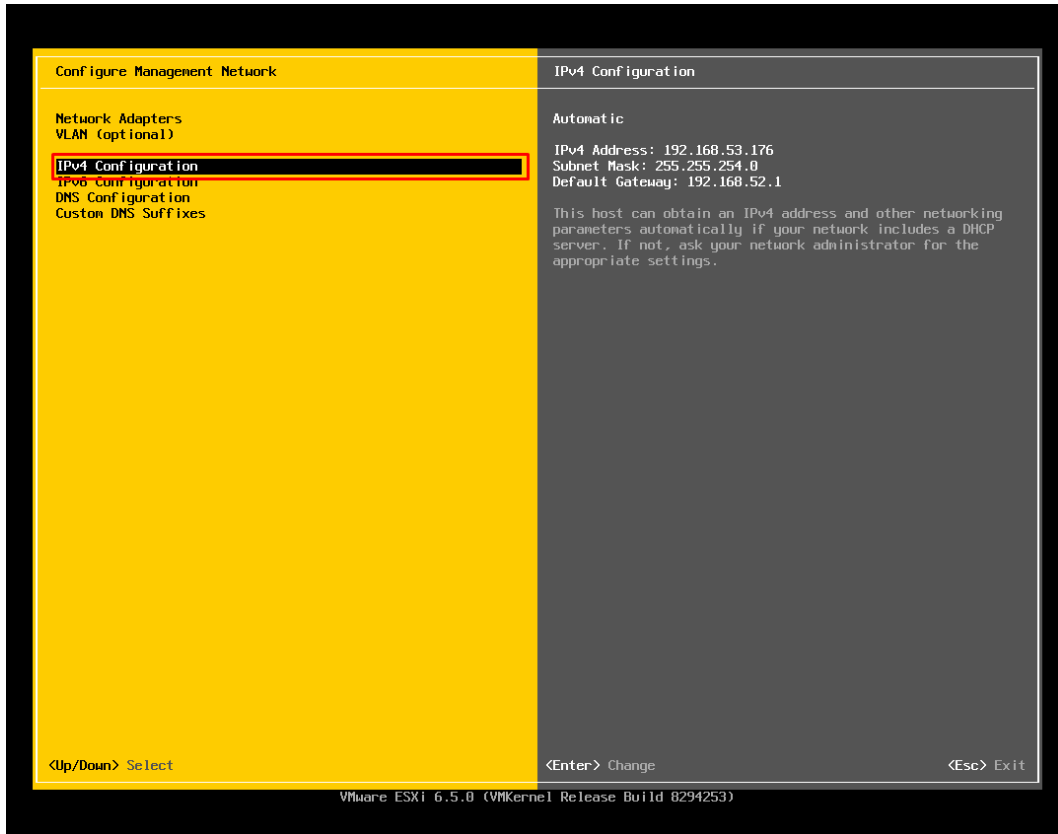
Yüklendi.

VMWare Workstation'dan ESXi 6.x VM'imizi açarız.

Cihazda açılış penceresindeki WAN adresiyle tarayıcıdan giriş yaparız.

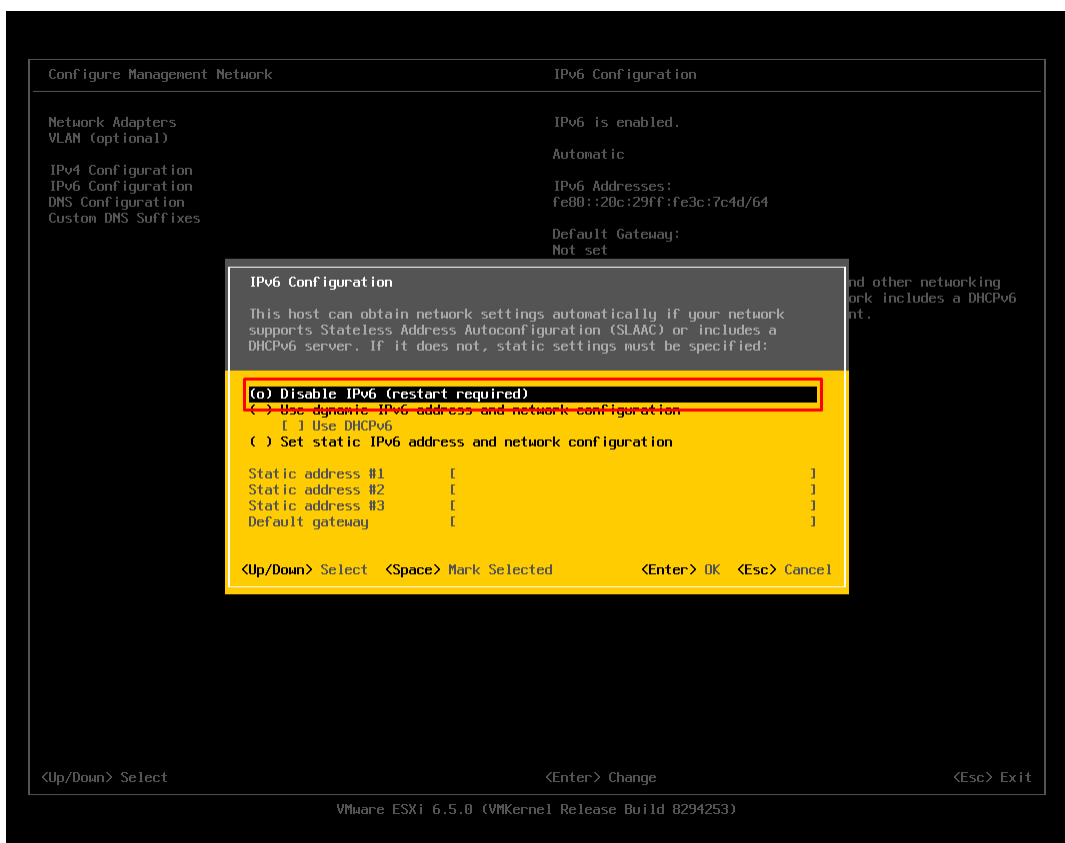
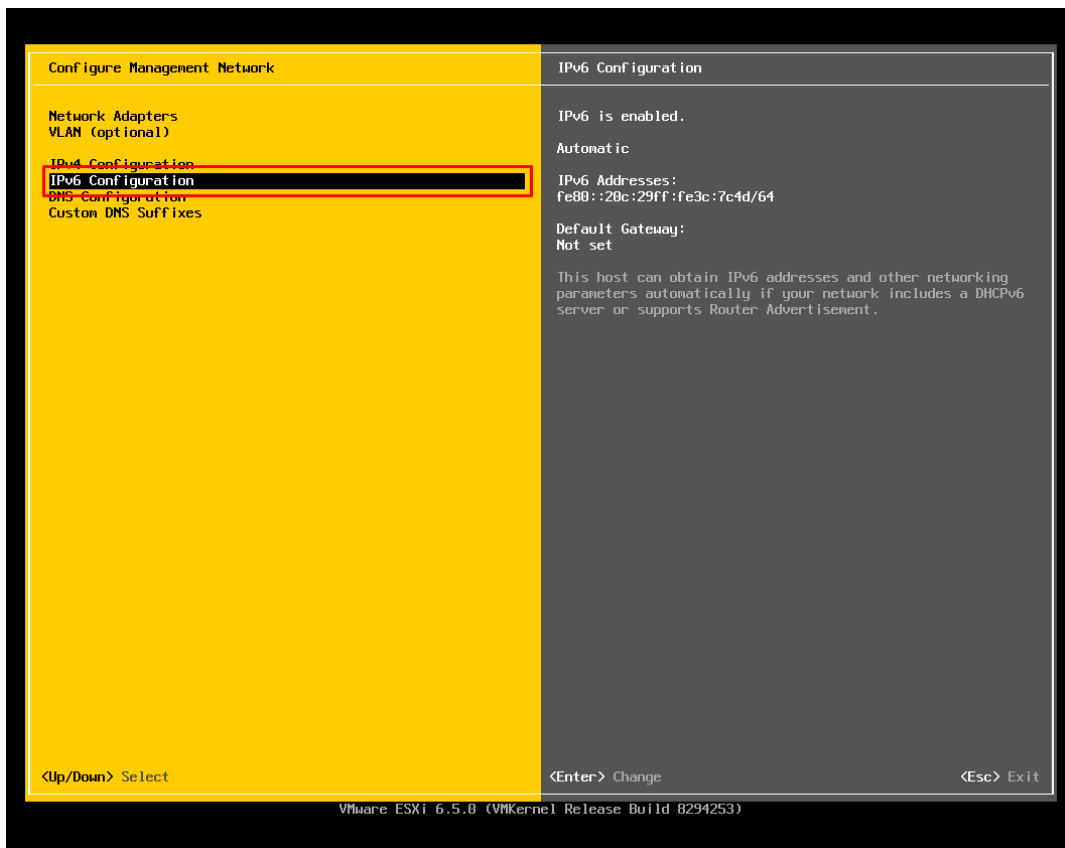
VMWare'de VM sayfasında F2'y basarız ve root/Password1 ile yönetim sayfasına gireriz.

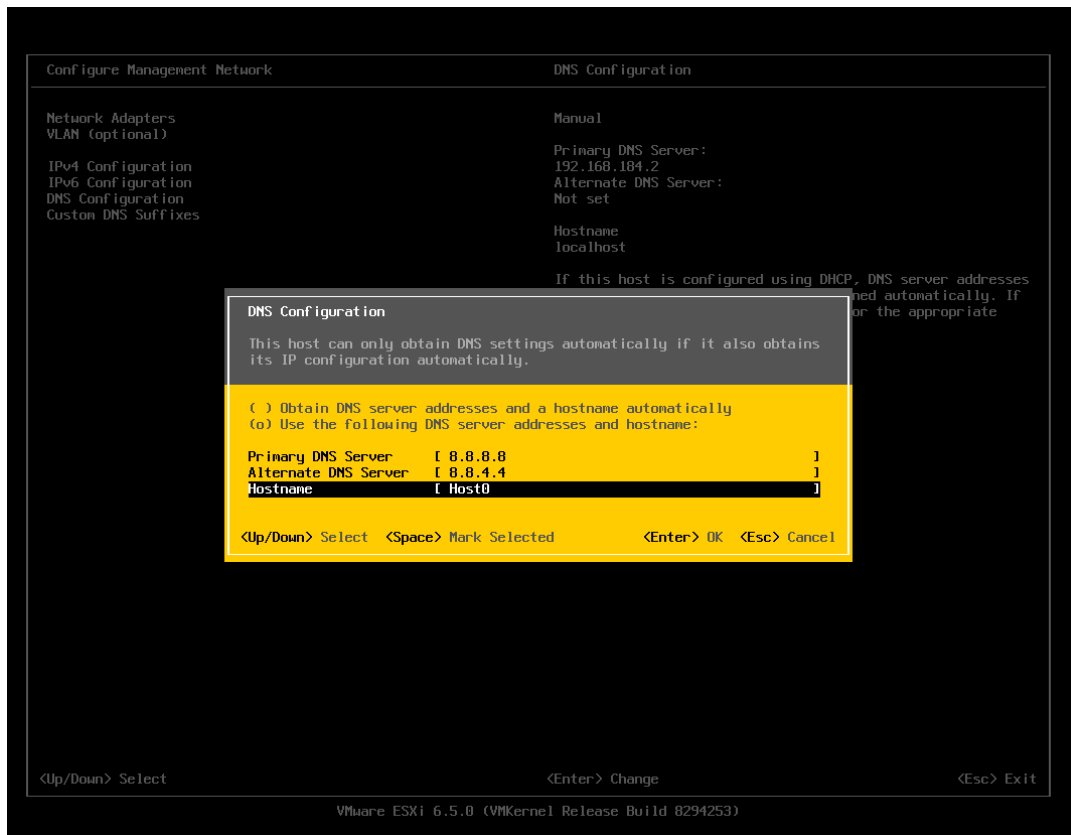
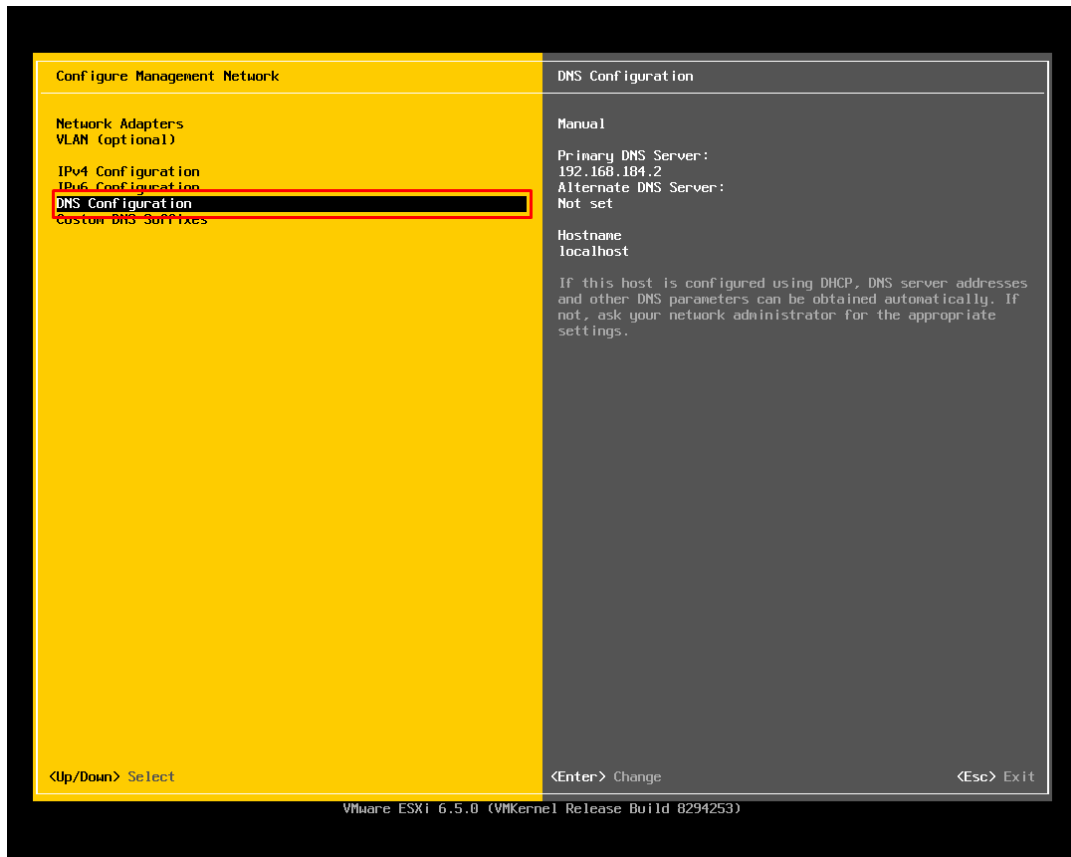
System Customization	Configure Management Network
Configure Password	Hostname: localhost
Configure Lockdown Mode	
<b>Configure Management Network</b>	IPv4 Address: 192.168.53.176
Restart management network	Network identity acquired from DHCP server 192.168.52.1
Test Management Network	IPv6 Addresses: fe80::20c:29ff:fe3c:7c4d/64
Network Restore Options	To view or modify this host's management network settings in detail, press <Enter>.
Configure Keyboard	
Troubleshooting Options	
View System Logs	
View Support Information	
Reset System Configuration	
	<Enter> More
	<Esc> Log Out



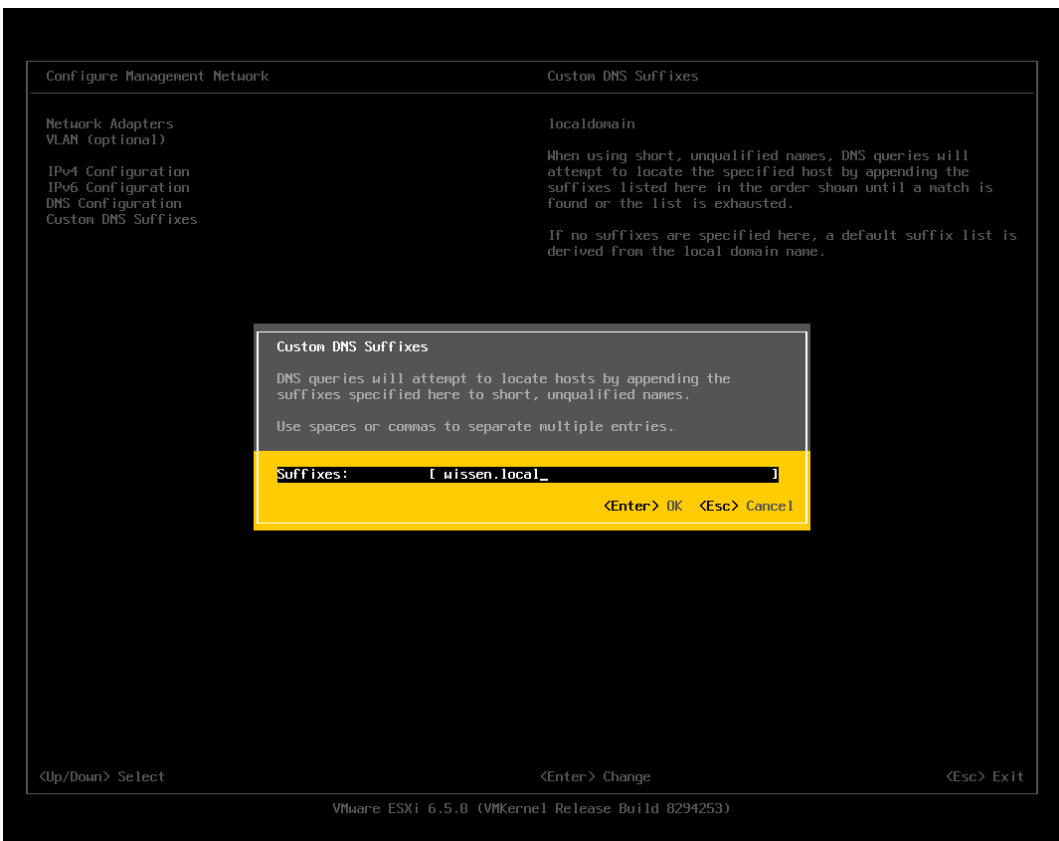
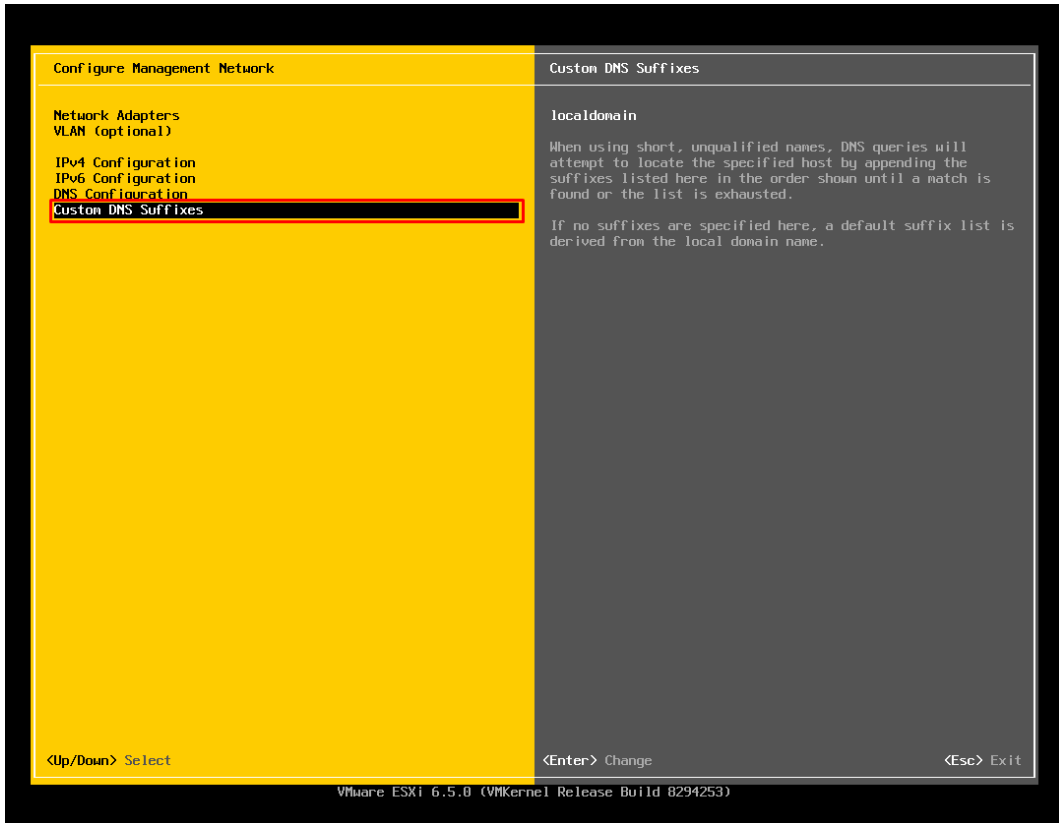
Boşluğa basarız ve entera basarız. Static konfigürasyon seçilmiş olur.





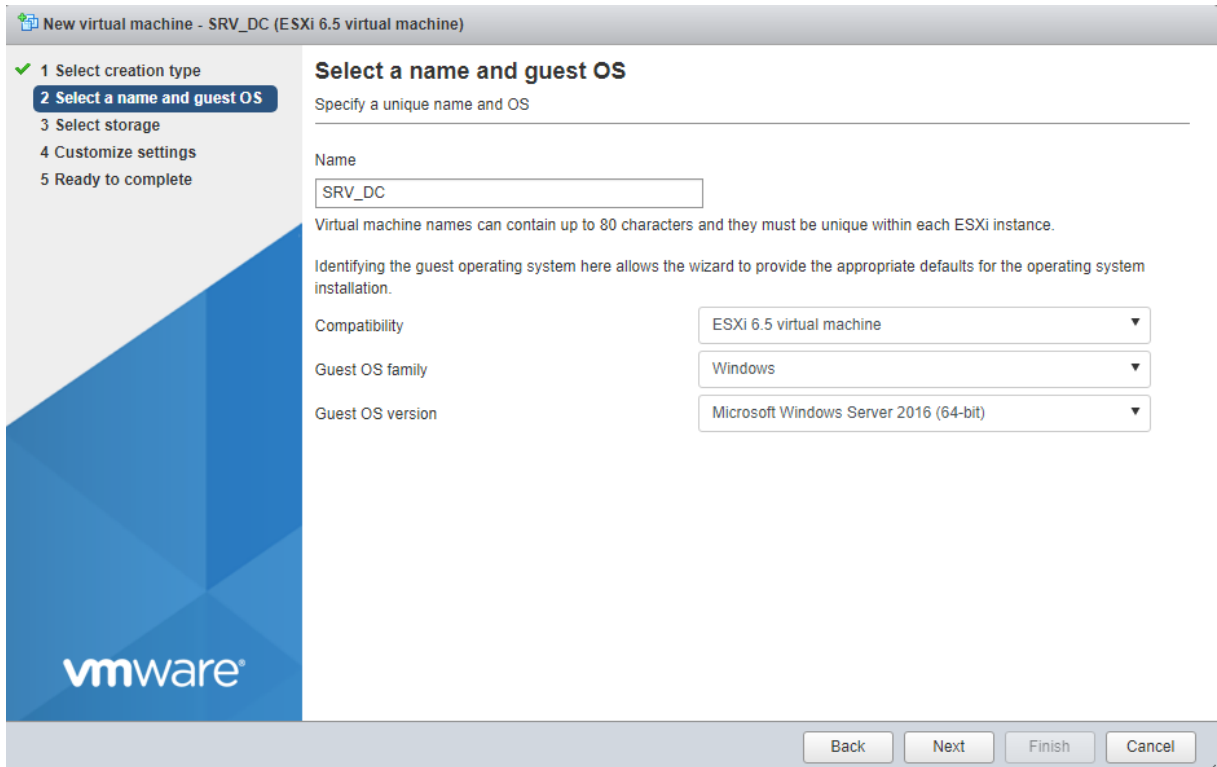
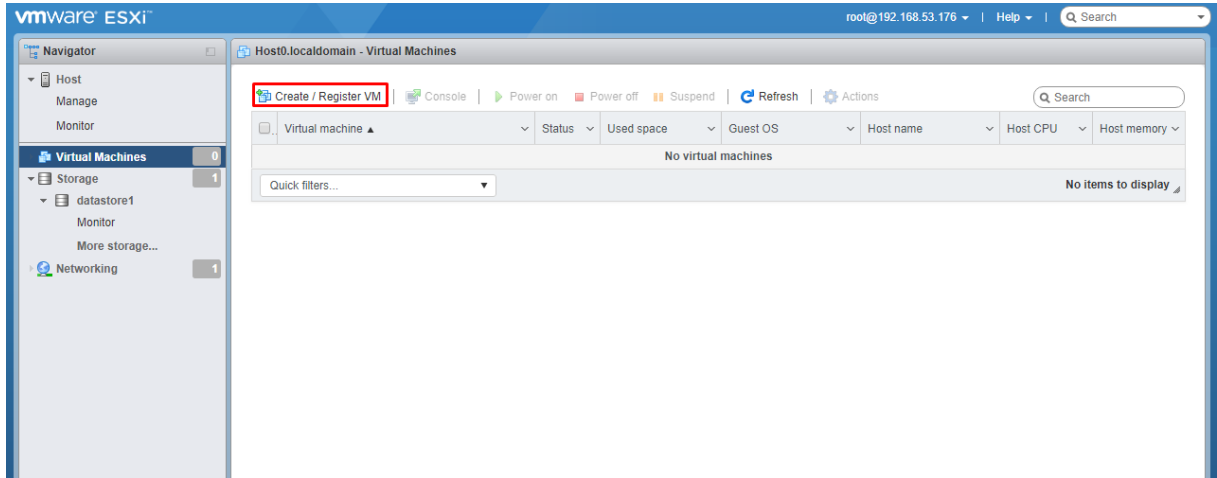


DNS ayarlarını şekildeki gibi yaparız.



ESC basıp Yes deriz ve restart atar. Ayarlamalarımız güncellenir.

Tarayıcıya F5 atıp portala tekrar giriş yaparız.



New virtual machine - SRV\_DC (ESXi 6.5 virtual machine)

✓ 1 Select creation type

✓ 2 Select a name and guest OS

✓ 3 Select storage

4 Customize settings

5 Ready to complete

### Select storage

Select the datastore in which to store the configuration and disk files.

The following datastores are accessible from the destination resource that you selected. Select the destination datastore for the virtual machine configuration files and all of the virtual disks.

Name	Capacity	Free	Type	Thin pro...	Access
datastore1	72.5 GB	65.06 GB	VMFS5	Supported	Single

1 items

Back

Next

Finish

Cancel

New virtual machine - SRV\_DC (ESXi 6.5 virtual machine)

✓ 1 Select creation type

✓ 2 Select a name and guest OS

✓ 3 Select storage

✓ 4 Customize settings

5 Ready to complete

### Customize settings

Configure the virtual machine hardware and virtual machine additional options

Virtual Hardware

VM Options

Add hard disk

Add network adapter

Add other device

CPU

1

Memory

4096

MB

Hard disk 1

20

GB

SCSI Controller 0

LSI Logic SAS

SATA Controller 0

USB controller 1

USB 2.0

Network Adapter 1

VM Network

☒ Connect

CD/DVD Drive 1

Datastore ISO file

☒ Connect

Video Card

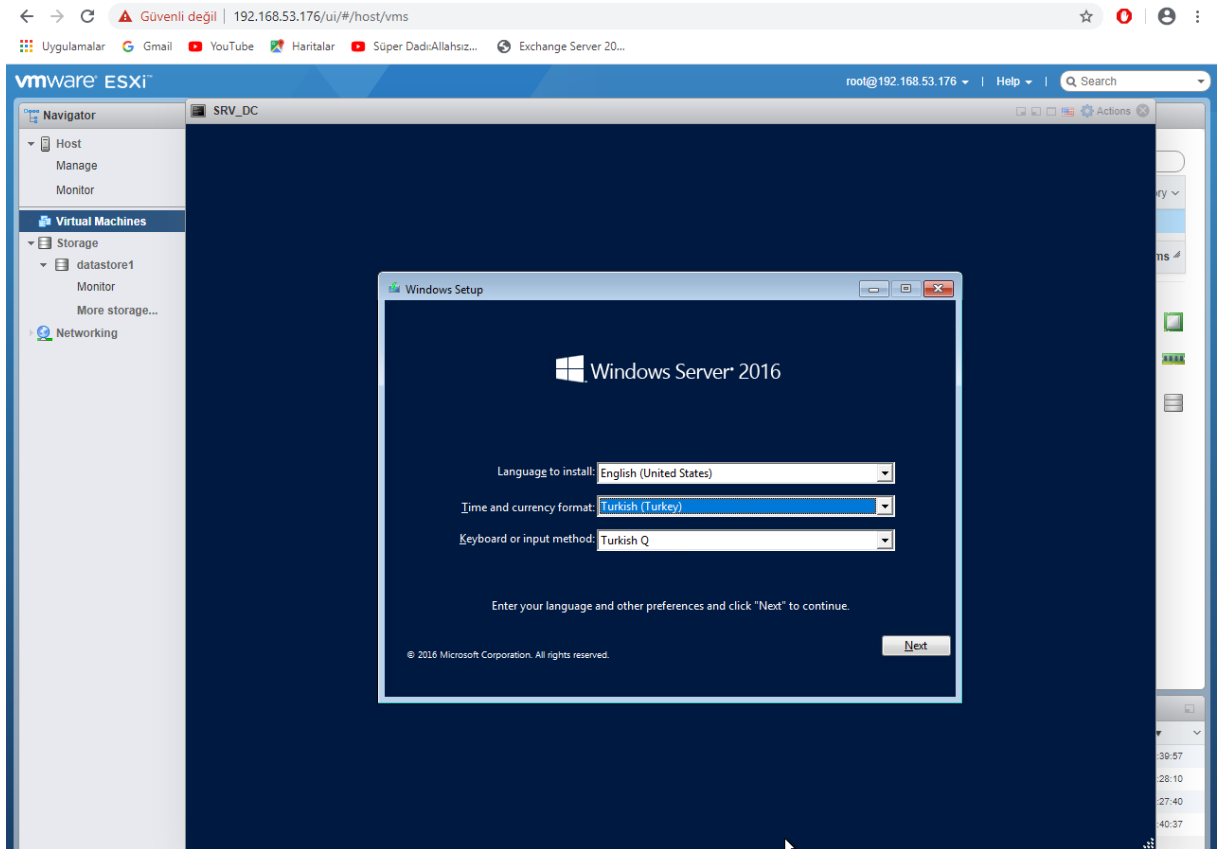
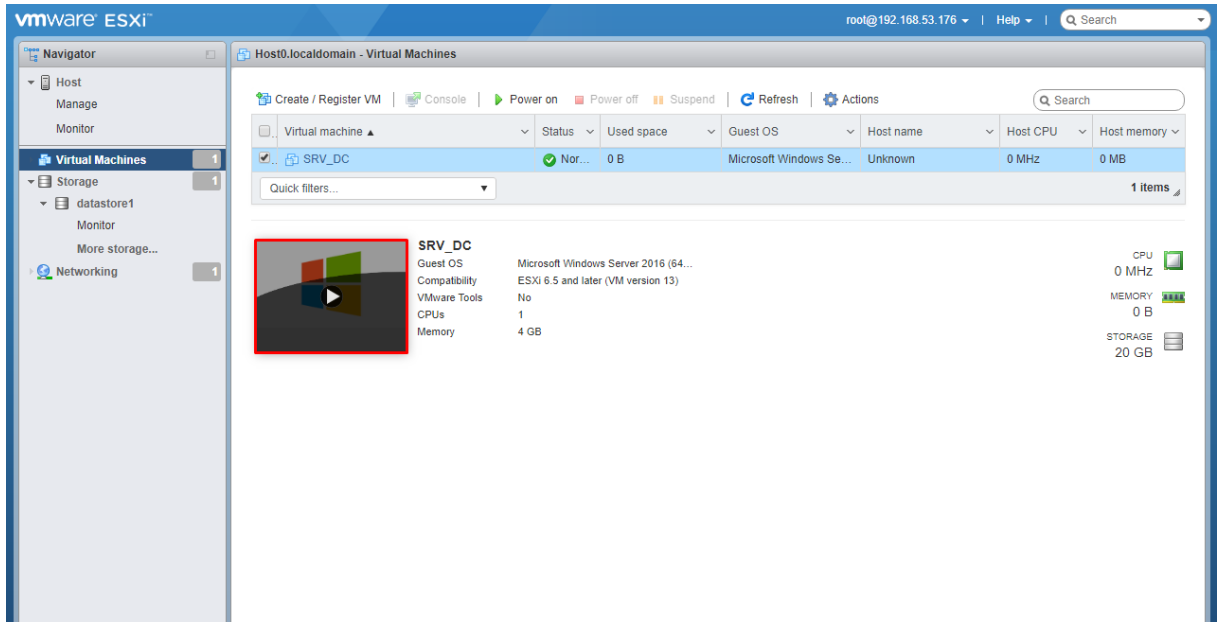
Specify custom settings

Back

Next

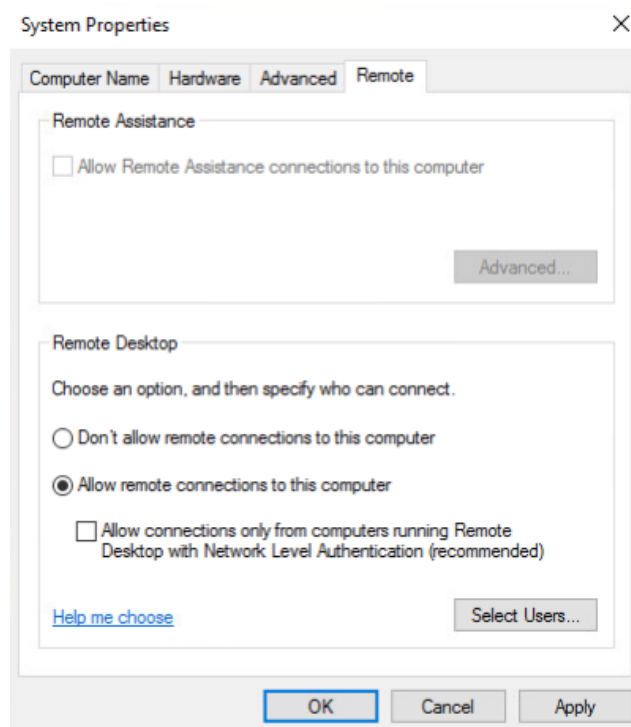
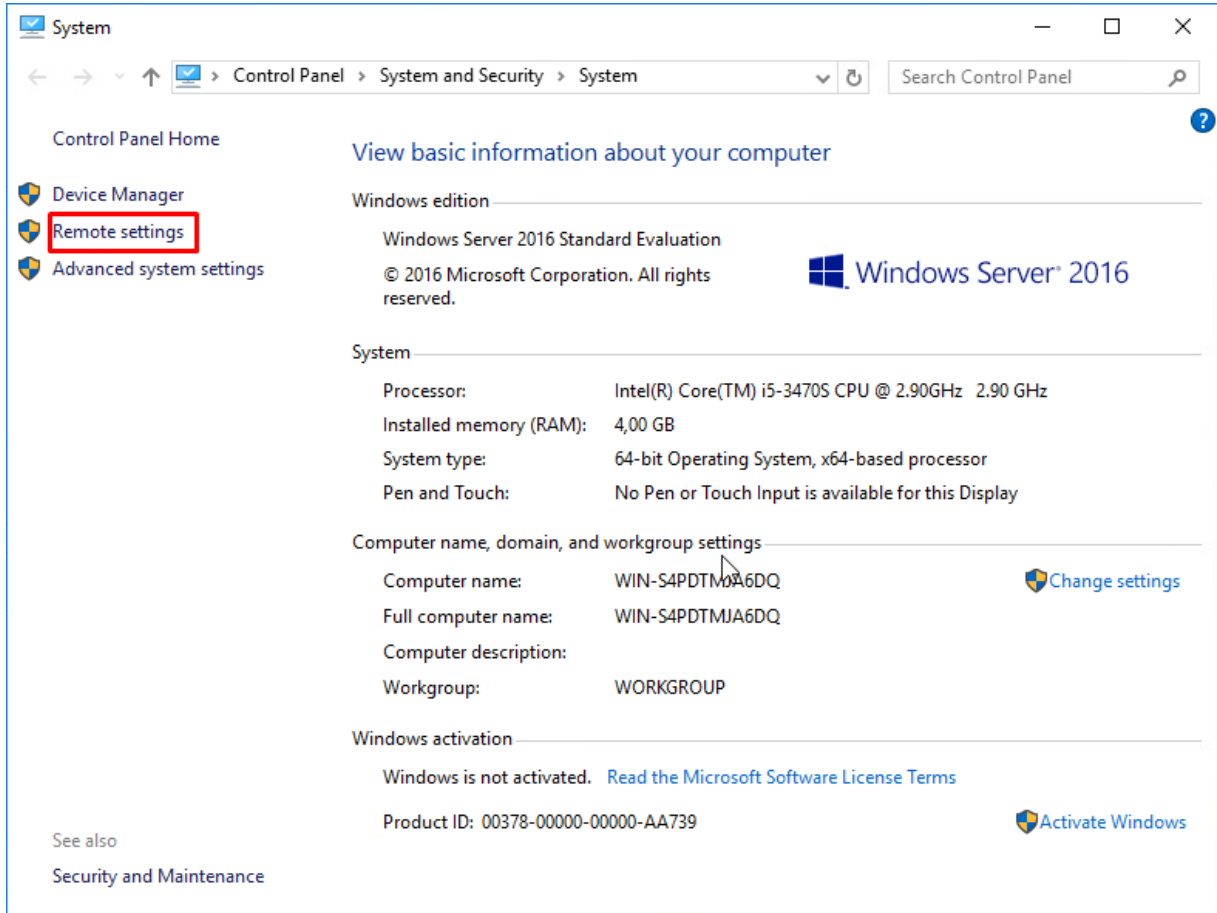
Finish

Cancel



VM'e giriş yaptık.

VMWare portaldan çok kullanışlı değil. Ctrl Alt Del yapmak sıkıntılı iş. O yüzden VM içinde This PC sağ tık > properties > remote settings



Sonra da firewall kapatırız. Cihaza RDP izni vermiş oluruz.

İkinci VM oluşturma kısmı:

New virtual machine - SRV-AzureADC (ESXi 6.5 virtual machine)

✓ 1 Select creation type  
2 Select a name and guest OS  
3 Select storage  
4 Customize settings  
5 Ready to complete

### Select a name and guest OS

Specify a unique name and OS

Name  
SRV-AzureADC

Virtual machine names can contain up to 80 characters and they must be unique within each ESXi instance.

Identifying the guest operating system here allows the wizard to provide the appropriate defaults for the operating system installation.

Compatibility  
ESXi 6.5 virtual machine

Guest OS family  
Windows

Guest OS version  
Microsoft Windows Server 2016 (64-bit)

Back Next Finish Cancel

New virtual machine - SRV-AzureADC (ESXi 6.5 virtual machine)

✓ 1 Select creation type  
✓ 2 Select a name and guest OS  
✓ 3 Select storage  
4 Customize settings  
5 Ready to complete

### Customize settings

Configure the virtual machine hardware and virtual machine additional options

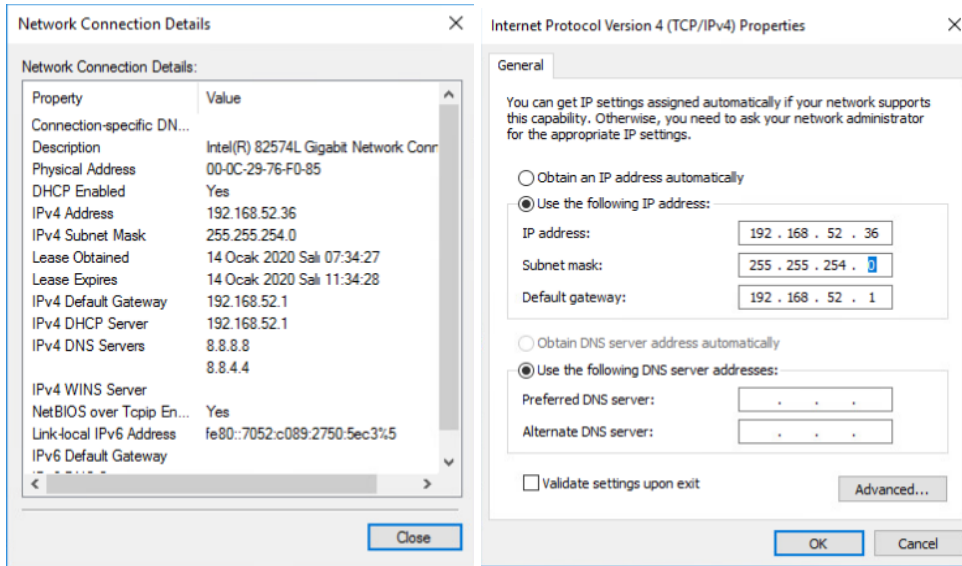
Virtual Hardware VM Options

Add hard disk Add network adapter Add other device

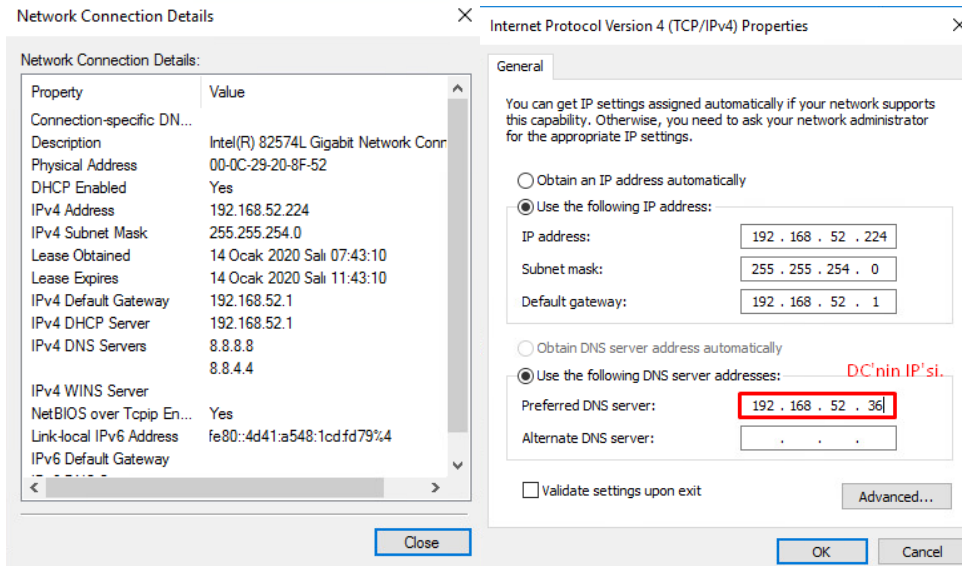
CPU	1	
Memory	4096	MB
Hard disk 1	20	GB
SCSI Controller 0	LSI Logic SAS	
SATA Controller 0		
USB controller 1	USB 2.0	
Network Adapter 1	VM Network	<input checked="" type="checkbox"/> Connect
CD/DVD Drive 1	Datastore ISO file	<input checked="" type="checkbox"/> Connect
Video Card	Specify custom settings	

Back Next Finish Cancel

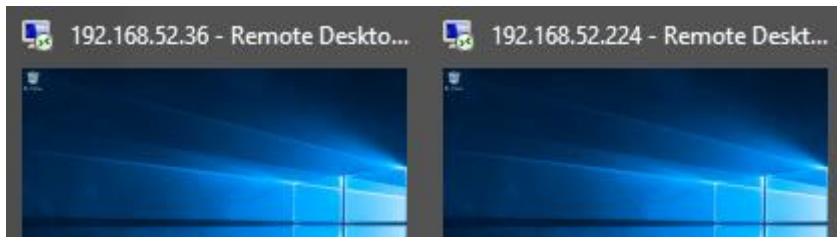




Vm1 (SRV-DC) imizin network bilgileri. IP'yi statige çekeriz.

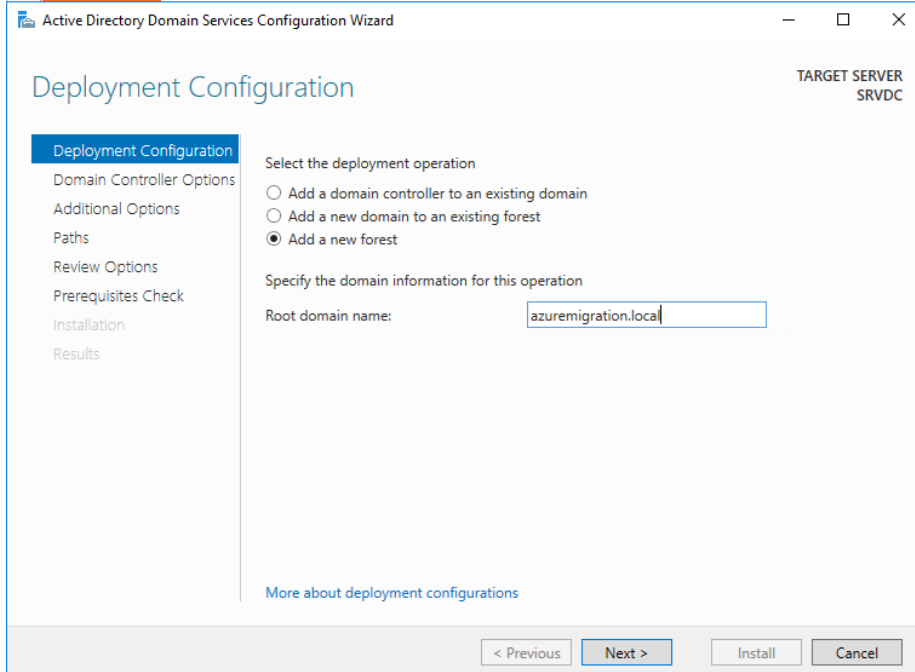


Vm2 (SRV-AzureADC) mizin network bilgileri.IP'yi statige çekeriz.

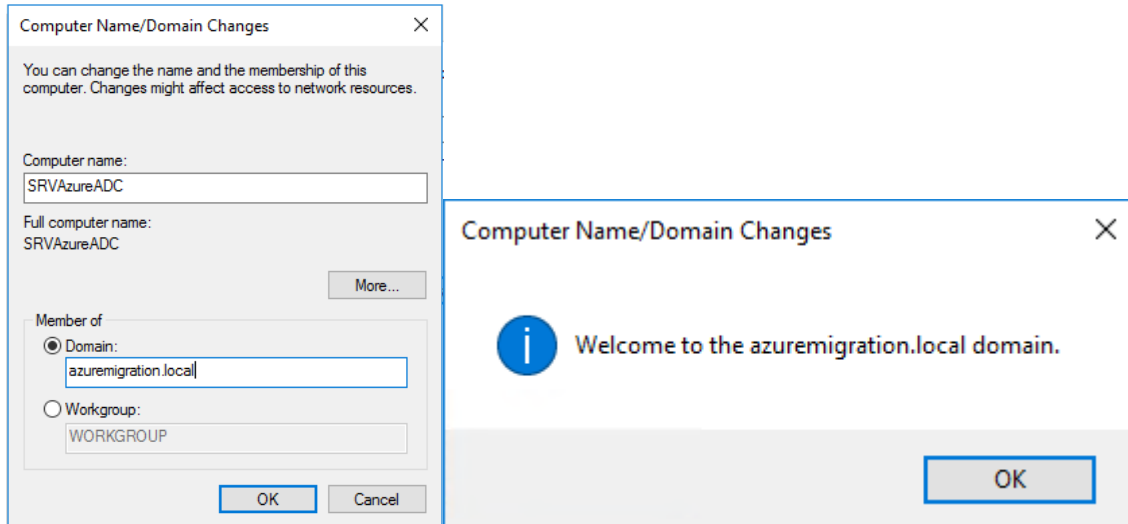


VM'lerimize RDP attık.

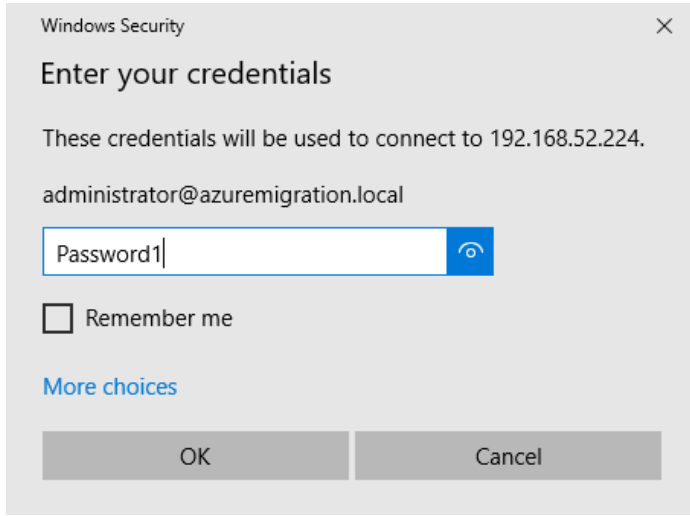
VM1'e AD kurulur. DC'ye promote edilir. Bu işlemten sonra kendi kendine restart atar.



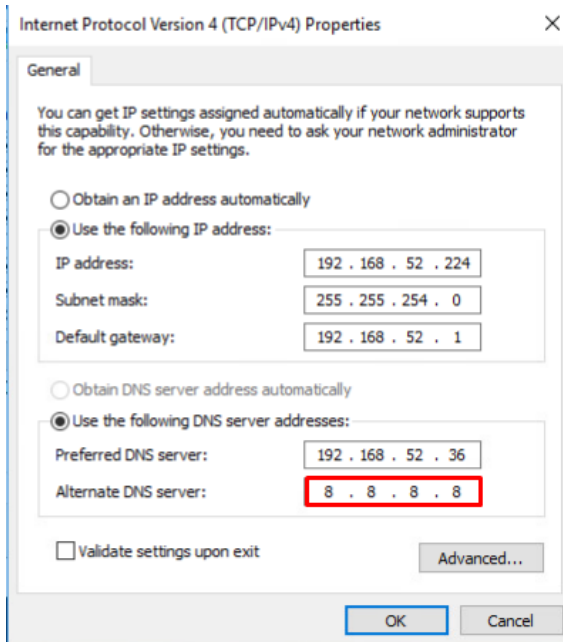
VM2 AD kurulur. Domain'e katılır. Bu işlemten sonra kendi kendine restart atar.



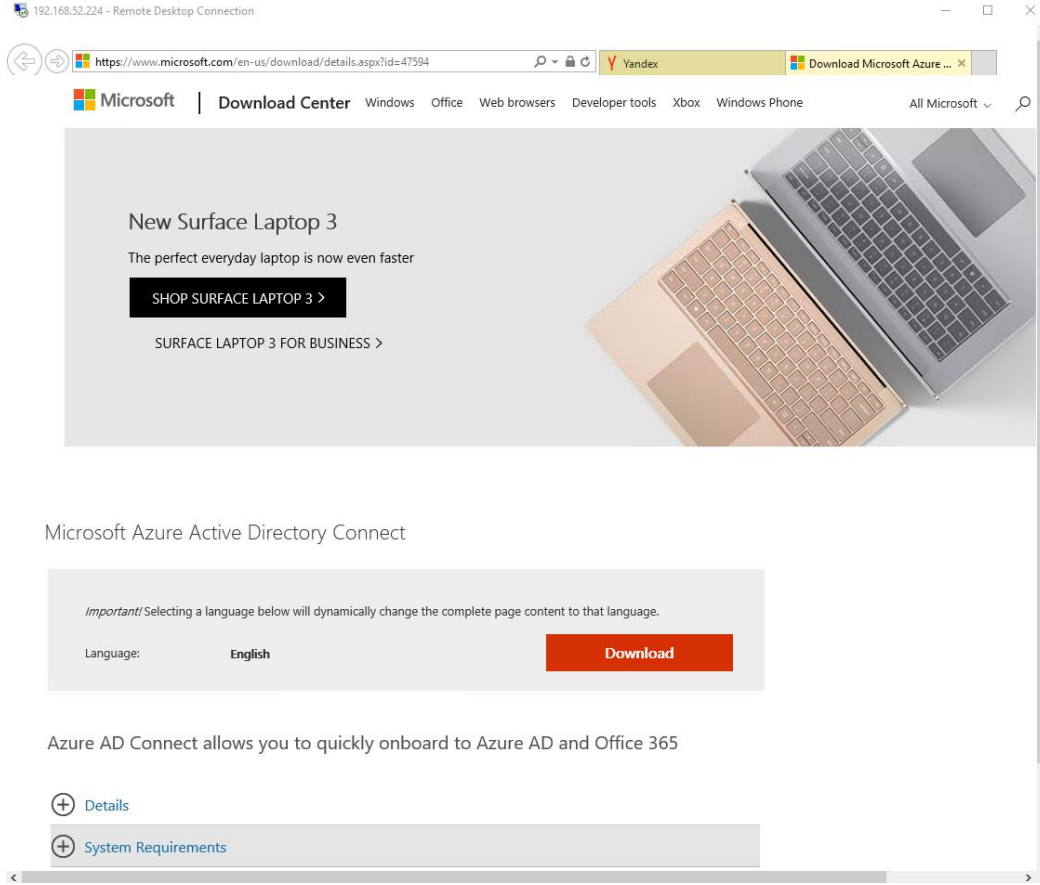
VM2 (SRV-AzureADC) 'ye RDP ile bağlanırsınız. Ama bu sefer ENTERPRISE ADMIN olarak:



BAU üzerinden internete girmeye çalıştık giremedik.

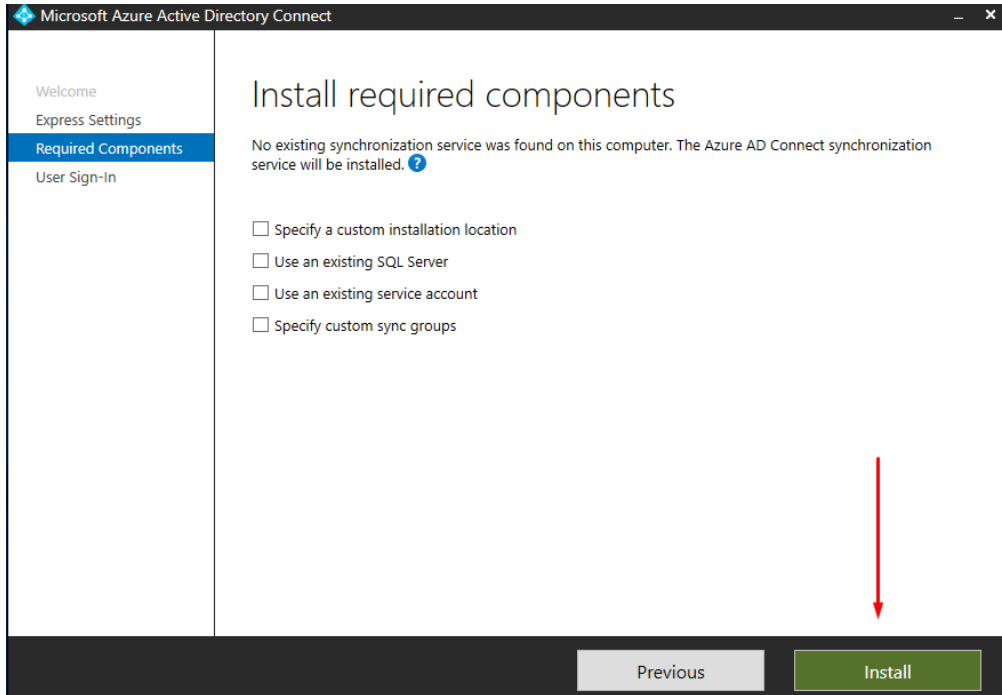
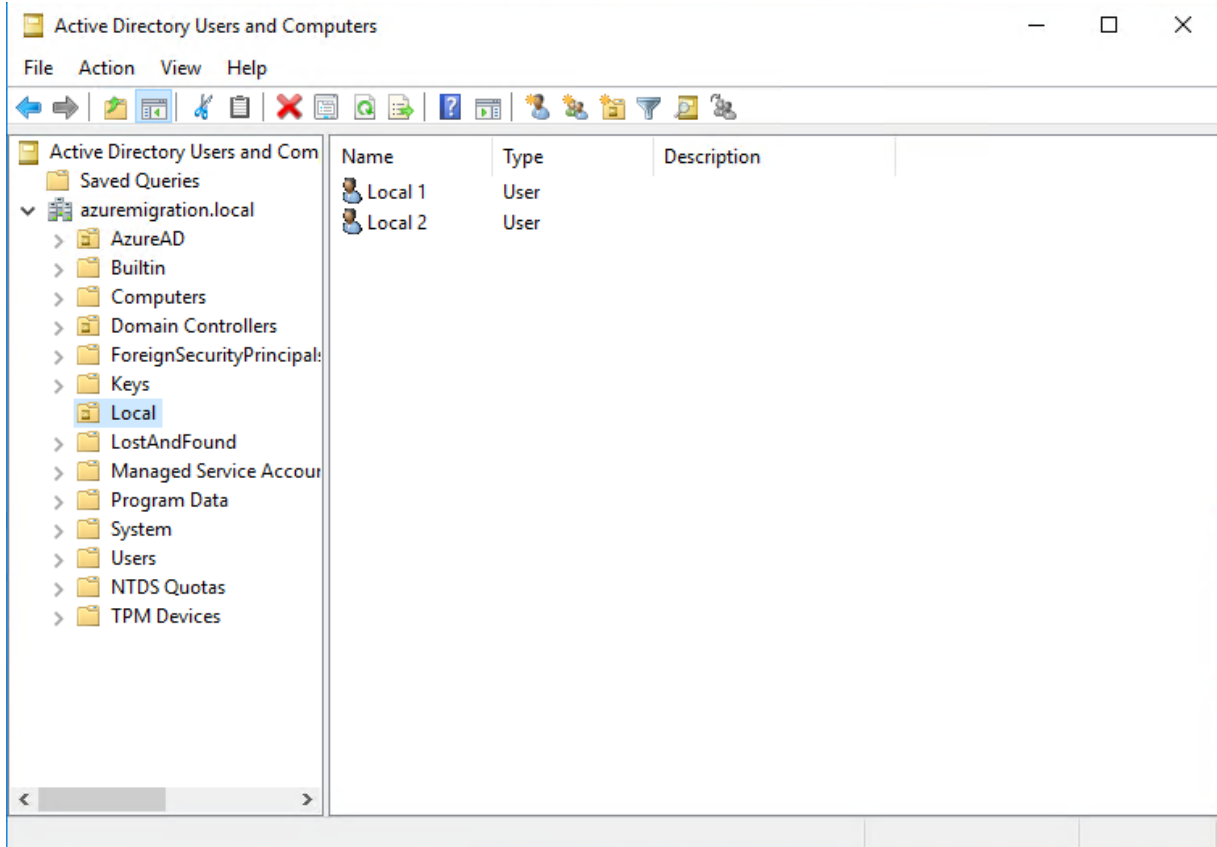


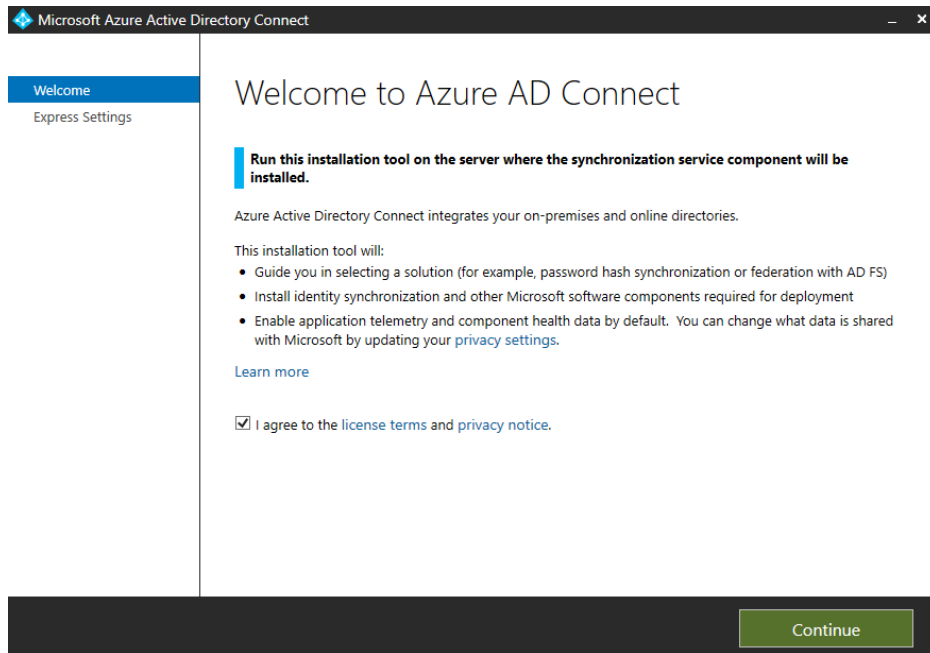
DNS ayarlarımızı bu şekilde ayarladık ve internete çıktık.



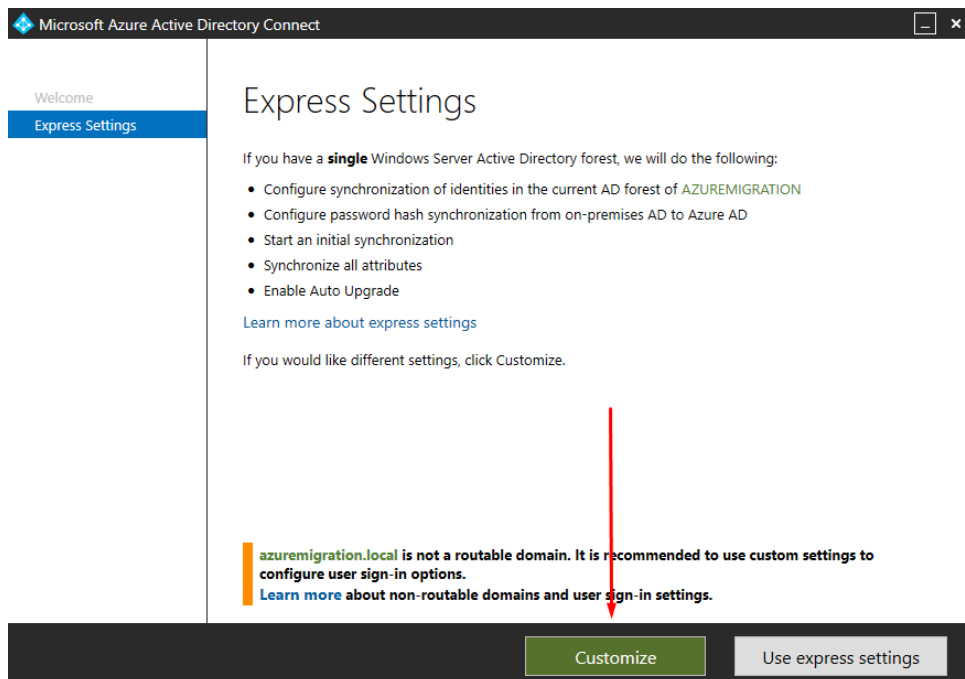
SRV\_AzureADC cihazımızda, Azure AD Connect indiririz.

VM1 yani DC'de AD Users and Computers'dan, iki adet organizational unit (Azure ve Local olarak) oluřtururuz. Azure içinde azure 1, azur 2 olarak iki, Local içinde local 1, local 2 olarak iki user oluřtururuz.





VM2'de ise Azure AD Connect kurarız.



Microsoft Azure Active Directory Connect

Welcome

Express Settings

Required Components

User Sign-In

Connect to Azure AD

Sync

Connect Directories

Azure AD sign-in

Domain/OU Filtering

Identifying users

Filtering

Optional Features

Configure

## User sign-in

Select the Sign On method. ?

☒ Password Hash Synchronization ?

☐ Pass-through authentication ?

☐ Federation with AD FS ?

☐ Federation with PingFederate ?

☐ Do not configure ?

Select this option to enable single sign-on for your corporate desktop users:

☐ Enable single sign-on ?

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Microsoft Azure Active Directory Connect

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Required Components

User Sign-In

Connect to Azure AD

Sync

Connect Directories

Azure AD sign-in

Domain/OU Filtering

Identifying users

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Optional Features

Configure

## Connect to Azure AD

Enter your Azure AD global administrator credentials. ?

USERNAME

umut@umutgecer.onmicrosoft.com

PASSWORD

••••••••

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Next

Azure admin hesabımızla giriş yaparız.

Microsoft Azure Active Directory Connect

Welcome

Express Settings

Required Components

User Sign-In

Connect to Azure AD

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Connect Directories

Azure AD sign-in

Domain/OU Filtering

Identifying users

Filtering

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## Connect your directories

Enter connection information for your on-premises directories or forests. ?

DIRECTORY TYPE

Active Directory

FOREST ?

azuremigration.local

Add Directory

*No directories are currently configured.*

Previous

Next

AD forest account

## AD forest account

An AD account with sufficient permissions is required for periodic synchronization. Azure AD Connect can create the account for you. Alternatively, you may provide an existing account with the required permissions. [Learn more](#) about managing account permissions.

The first option is recommended and requires you to enter Enterprise Admin credentials.

Select account option.

☐ Create new AD account

☒ Use existing AD account

DOMAIN USERNAME

AZUREMIGRATION.LOCAL\administrator

PASSWORD

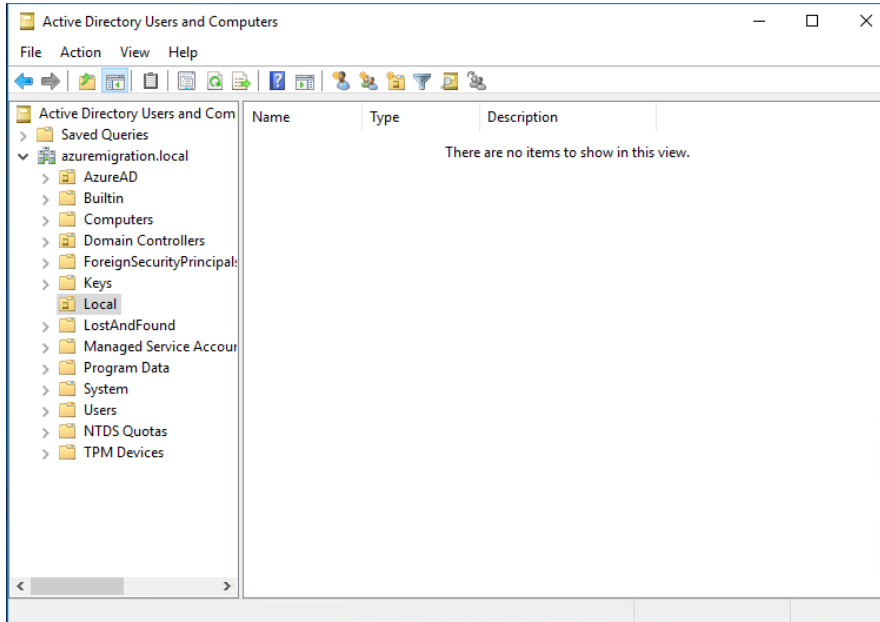
••••••••

OK

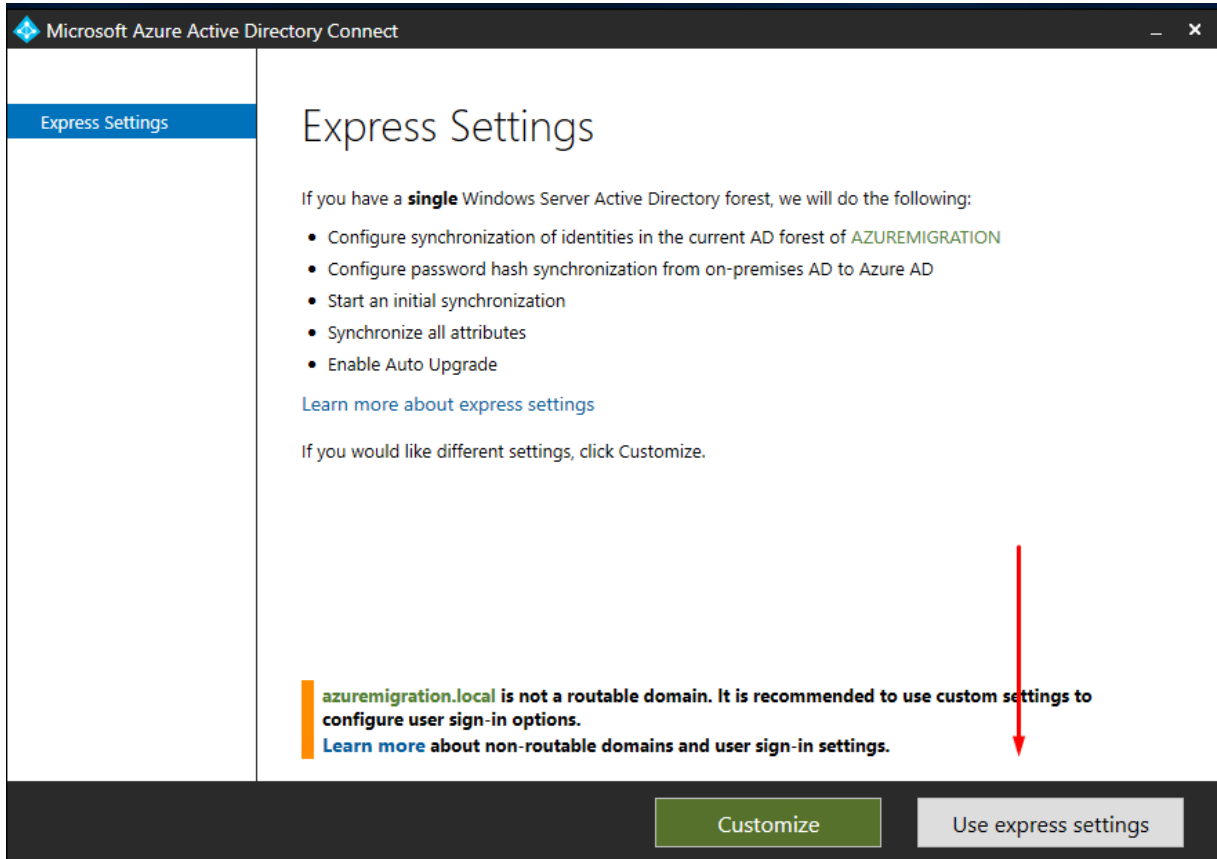
Cancel



Bu konfigürasyon hata verdi. Ufak bir değişiklik yapacağız.



Local organizational unit'indeki userları sildik.



[umut@umutgecer.onmicrosoft.com](mailto:umut@umutgecer.onmicrosoft.com) hesabıyla girişı yaparız.

Azuremigration.local\Administrator girişı yaparız.

Microsoft Azure Active Directory Connect

Express Settings  
Connect to Azure AD  
Connect to AD DS  
**Azure AD sign-in**  
Configure

## Azure AD sign-in configuration

To use on-premises credentials for Azure AD sign-in, UPN suffixes should match one of the verified custom domains in Azure AD. The following table lists the UPN suffixes defined in your on-premises environment, along with the matching custom domain in Azure. ?

Active Directory UPN Suffix	Azure AD Domain
azuremigration.local	Not Added ?

☒ Continue without matching all UPN suffixes to verified domains

**Users will not be able to sign-in to Azure AD with on-premises credentials if the UPN suffix does not match a verified domain. [Learn more](#)**

Previous Next

Install deriz.

Microsoft Azure Active Directory Connect

Welcome  
**Tasks**

## Additional tasks

The required tasks for the scenario have been completed. Choose from the list below to perform additional tasks.

- Privacy settings
- View current configuration
- Customize synchronization options**
- Configure device options ?
- Refresh directory schema
- Configure staging mode
- Change user sign-in
- Manage federation ?
- Troubleshoot

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Microsoft Azure Active Directory Connect

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Configure

## Connect to Azure AD

Enter your Azure AD global administrator credentials for umutgecer.onmicrosoft.com - AAD. ?

USERNAME

PASSWORD

Previous

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Bu esnada, Azure portalında userlarımızın eşlendiğini görürüz:

Microsoft Azure

Search resources, services, and docs (G+)

Umut@umutgecer.onmi... WISSEN

Home > Users - All users

Users - All users

Documentation

All users

Deleted users

Password reset

User settings

Diagnose and solve problems

Activity

Sign-ins

Audit logs

Bulk operation results (Preview)

Troubleshooting + Support

New support request

+ New user

+ New guest user

↑ Bulk create

↑ Bulk invite

↑ Bulk delete

↓ Download users

↻ Refresh

🔗 Reset password

⋮

Search

Name or email

Search attributes

Name, email (begins with)

Show

All users

	Name	User name	User type	Source
<input type="checkbox"/>	Azure 1	azure1@umutgecer.onmicrosoft.com	Member	Windows Server AD
<input type="checkbox"/>	Azure 2	azure2@umutgecer.onmicrosoft.com	Member	Windows Server AD
<input type="checkbox"/>	Haksim Taksim	haksim.taksim@umutgecer.onmicros...	Member	Azure Active Directory
<input type="checkbox"/>	Jesse	Sekidika@umutgecer.onmicrosoft.com	Member	Azure Active Directory
<input type="checkbox"/>	Jupiter	jupiter@umutgecer.onmicrosoft.com	Member	Azure Active Directory
<input type="checkbox"/>	On-Premises Directory Synchr	Sync_SRVVAZUREADC_ff0488b5c25a@...	Member	Windows Server AD
<input type="checkbox"/>	Saturn	saturn@umutgecer.onmicrosoft.com	Member	Azure Active Directory
<input type="checkbox"/>	Taksim Haksim	taksim.haksim@umutgecer.onmicros...	Member	Azure Active Directory
<input type="checkbox"/>	Umut Gecer	Umut@umutgecer.onmicrosoft.com	Member	Azure Active Directory

Microsoft Azure Active Directory Connect

Welcome

Tasks

Connect to Azure AD

Sync

Connect Directories

Domain/OU Filtering

Optional Features

Configure

## Connect your directories

Enter connection information for your on-premises directories or forests. ?

DIRECTORY TYPE

Active Directory

FOREST ?

azuremigration.local

Add Directory

CONFIGURED DIRECTORIES

azuremigration.local (Active Directory)

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Microsoft Azure Active Directory Connect

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Connect to Azure AD

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Connect Directories

Domain/OU Filtering

Optional Features

Configure

## Domain and OU filtering

If you change the OU-filtering configuration for a given directory, the next sync cycle will automatically perform full import on the directory.

Directory: azuremigration.local

Refresh Domains ?

☐ Sync all domains and OUs

☒ Sync selected domains and OUs

azuremigration.local

☒ AzureAD

☐ Builtin

☐ Computers

☐ Domain Controllers

☐ ForeignSecurityPrincipals

☐ Infrastructure

☐ Local

☐ LostAndFound

☐ Managed Service Accounts

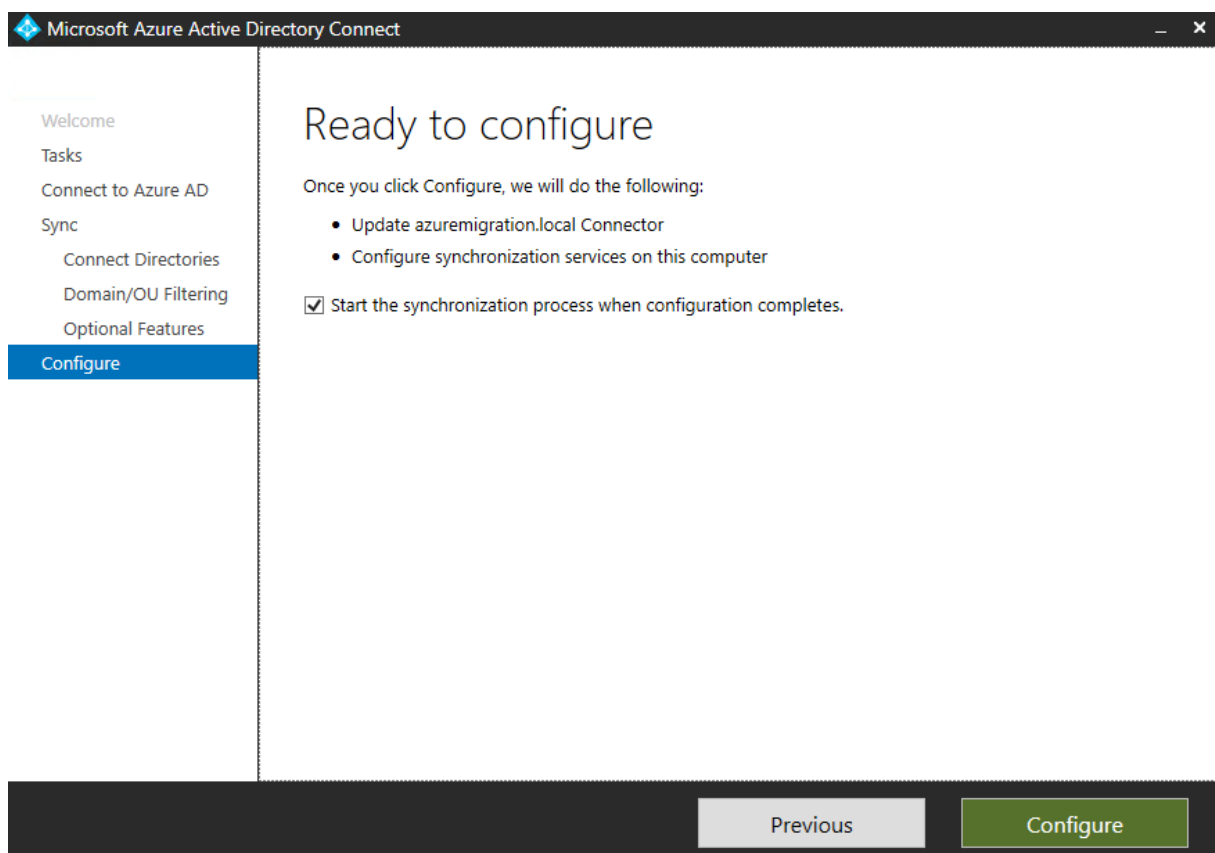
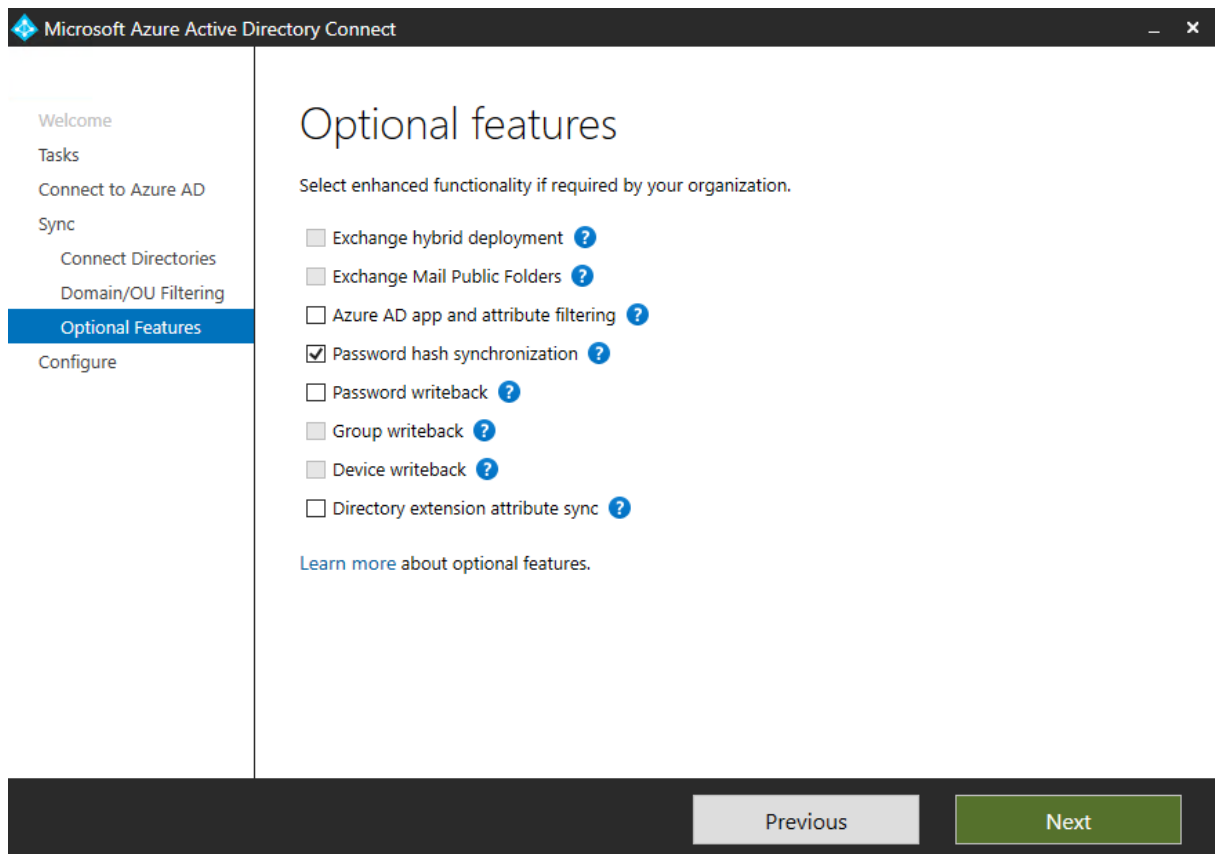
☐ Program Data

☐ System

☐ Users

Previous

Next



Microsoft Azure Search resources, services, and docs (G+)

Home > Users - All users

Users - All users Wissen - Azure Active Directory Documentation

+ New user + New guest user Bulk create Bulk invite Bulk delete Download users Refresh Reset password

Search Name or email Search attributes Name, email (begins with) Show All users

	Name	User name	User type	Source
<input type="checkbox"/>	Azure 1	azure1@umutgecer.onmicrosoft.com	Member	Windows Server AD
<input type="checkbox"/>	Azure 2	azure2@umutgecer.onmicrosoft.com	Member	Windows Server AD
<input type="checkbox"/>	azure 3	azure3@umutgecer.onmicrosoft.com	Member	Windows Server AD
<input type="checkbox"/>	Haksim Taksim	haksim.taksim@umutgecer.onmicros...	Member	Azure Active Directory
<input type="checkbox"/>	Jesse	Sekidika@umutgecer.onmicrosoft.com	Member	Azure Active Directory
<input type="checkbox"/>	Jupiter	jupiter@umutgecer.onmicrosoft.com	Member	Azure Active Directory
<input type="checkbox"/>	On-Premises Directory Synchr	Sync_SRVAZUREADC_ff0488b5c25a@...	Member	Windows Server AD
<input type="checkbox"/>	Saturn	saturn@umutgecer.onmicrosoft.com	Member	Azure Active Directory
<input type="checkbox"/>	Taksim Haksim	taksim.haksim@umutgecer.onmicros...	Member	Azure Active Directory
<input type="checkbox"/>	Umut Gecer	Umut@umutgecer.onmicrosoft.com	Member	Azure Active Directory

Konfigürasyondan önce azure 3 ve local 1 ve local 2 diye userlar oluşturmıştım. Locallerin senkronlanmadığı, azure olanların ise senkronlandığı görüldü.