

Vcenter 7 Kurulumu

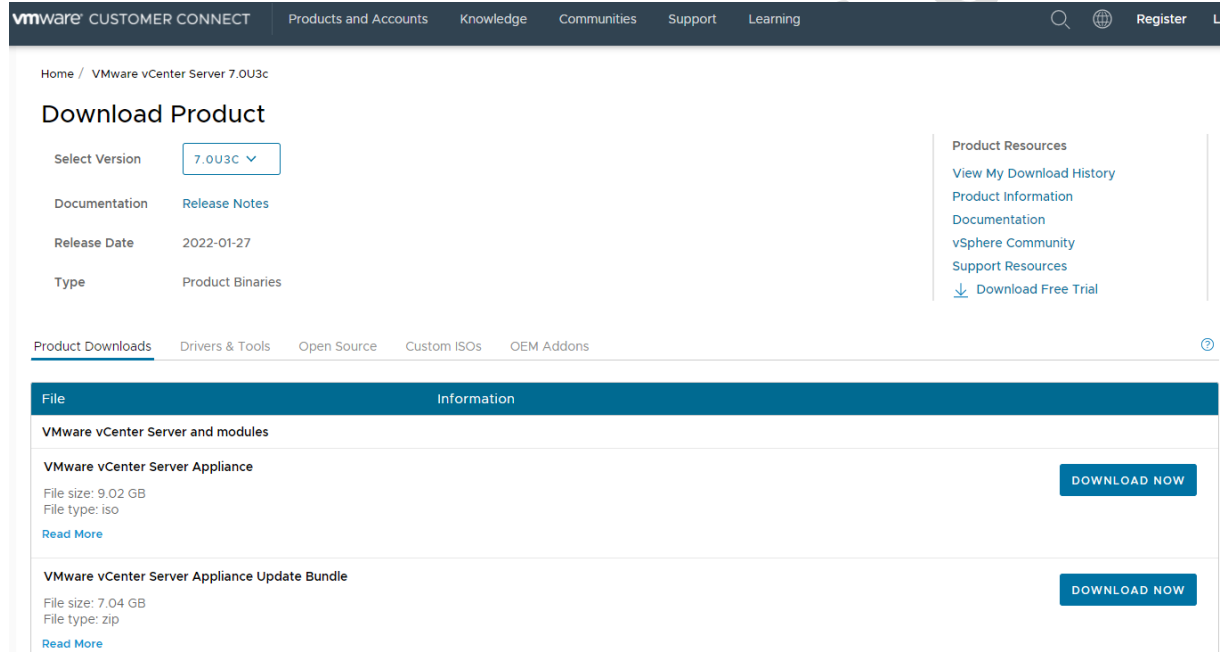
Makalemizde Vcenter 7 kurulumu gerçekleştireceğiz. Öncelikle sisteminizin kaynak olarak desteklemesi gerekmektedir. Aşağıdaki linkten sisteminizi kontrol etmeniz gerekmektedir. Aksi takdirde kurulumu yapamazsınız.

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vcenter.install.doc/GUID-BA4FA18C-1049-42AA-A5CD-DE863565251B.html>

Sisteminiz kurulumu destekliyor ise aşağıda adresten iso dosyasını indirmeniz gerekmektedir.

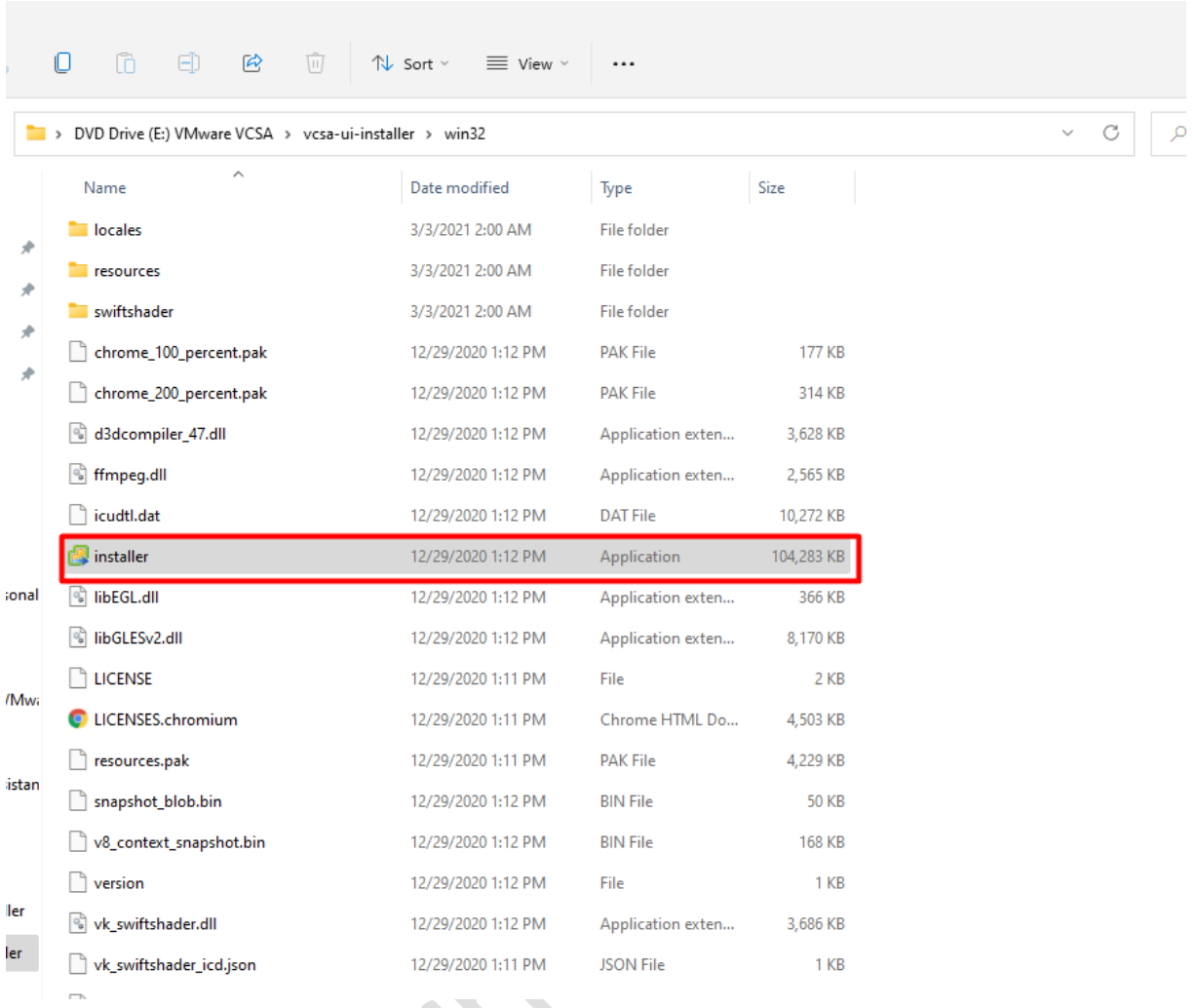
https://customerconnect.vmware.com/en/downloads/info/slug/datacenter_cloud_infrastructure/vmware_vsphere/7_0

Örnek;



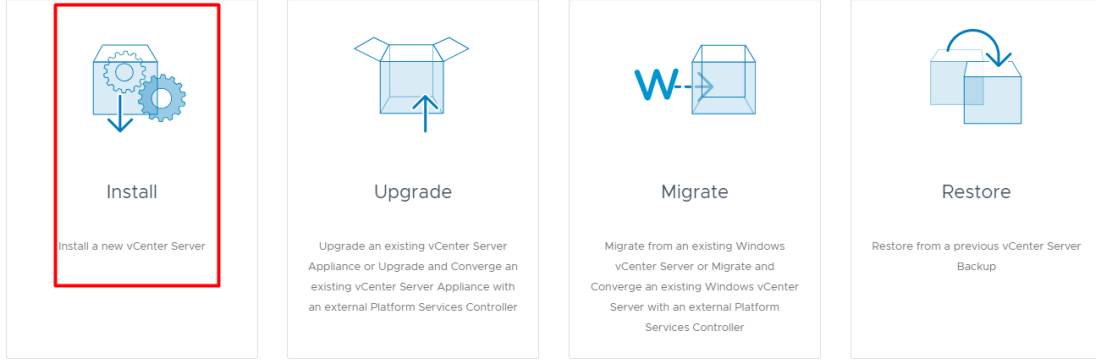
The screenshot displays the VMware Customer Connect website interface. At the top, there is a navigation bar with the VMware logo and 'CUSTOMER CONNECT' text, followed by menu items: 'Products and Accounts', 'Knowledge', 'Communities', 'Support', and 'Learning'. A search icon and a 'Register' link are also present. Below the navigation bar, the breadcrumb trail reads 'Home / VMware vCenter Server 7.0U3C'. The main content area is titled 'Download Product'. On the left, there is a 'Select Version' dropdown menu set to '7.0U3C'. Below this, there are fields for 'Documentation' (Release Notes), 'Release Date' (2022-01-27), and 'Type' (Product Binaries). On the right side, there is a 'Product Resources' section with links for 'View My Download History', 'Product Information', 'Documentation', 'vSphere Community', 'Support Resources', and 'Download Free Trial'. Below the main content, there is a horizontal menu with options: 'Product Downloads', 'Drivers & Tools', 'Open Source', 'Custom ISOs', and 'OEM Addons'. The main content area is divided into two sections: 'File' and 'Information'. Under 'File', there are two entries: 'VMware vCenter Server Appliance' (File size: 9.02 GB, File type: iso) and 'VMware vCenter Server Appliance Update Bundle' (File size: 7.04 GB, File type: zip). Each entry has a 'Read More' link and a 'DOWNLOAD NOW' button.

İndirme işlemi tamamlandıktan sonra kurulumu geçebiliriz. İso dosyasını açalım ve kurulumu başlatalım. Kurulum 2 aşamadan oluşmaktadır. Uygulamayı yönetici olarak başlatalım.

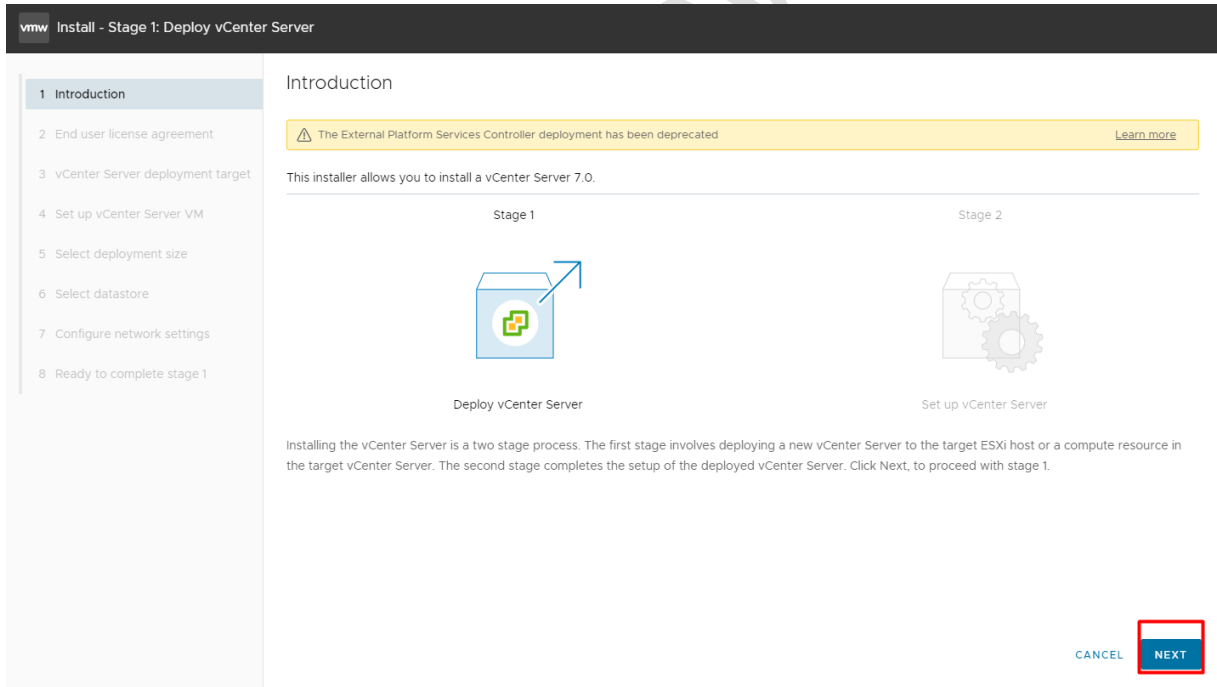


Karşımıza çıkan ekranda install ile devam edelim.

www.eri...



Next ile devam ediyoruz.



Lisans sözleşmesi kabul edip next ile devam ediyoruz.

vmw Install - Stage 1: Deploy vCenter Server

1 Introduction
2 End user license agreement
3 vCenter Server deployment target
4 Set up vCenter Server VM
5 Select deployment size
6 Select datastore
7 Configure network settings
8 Ready to complete stage 1

End user license agreement

Read and accept the following license agreement.

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I accept the terms of the license agreement.

CANCEL BACK NEXT

Bu ekranda vcenteri kuracağımız olan esxi host bilgilerini yazıyoruz ve next ile devam ediyoruz.

vmw Install - Stage 1: Deploy vCenter Server

1 Introduction
2 End user license agreement
3 vCenter Server deployment target
4 Set up vCenter Server VM
5 Select deployment size
6 Select datastore
7 Configure network settings
8 Ready to complete stage 1

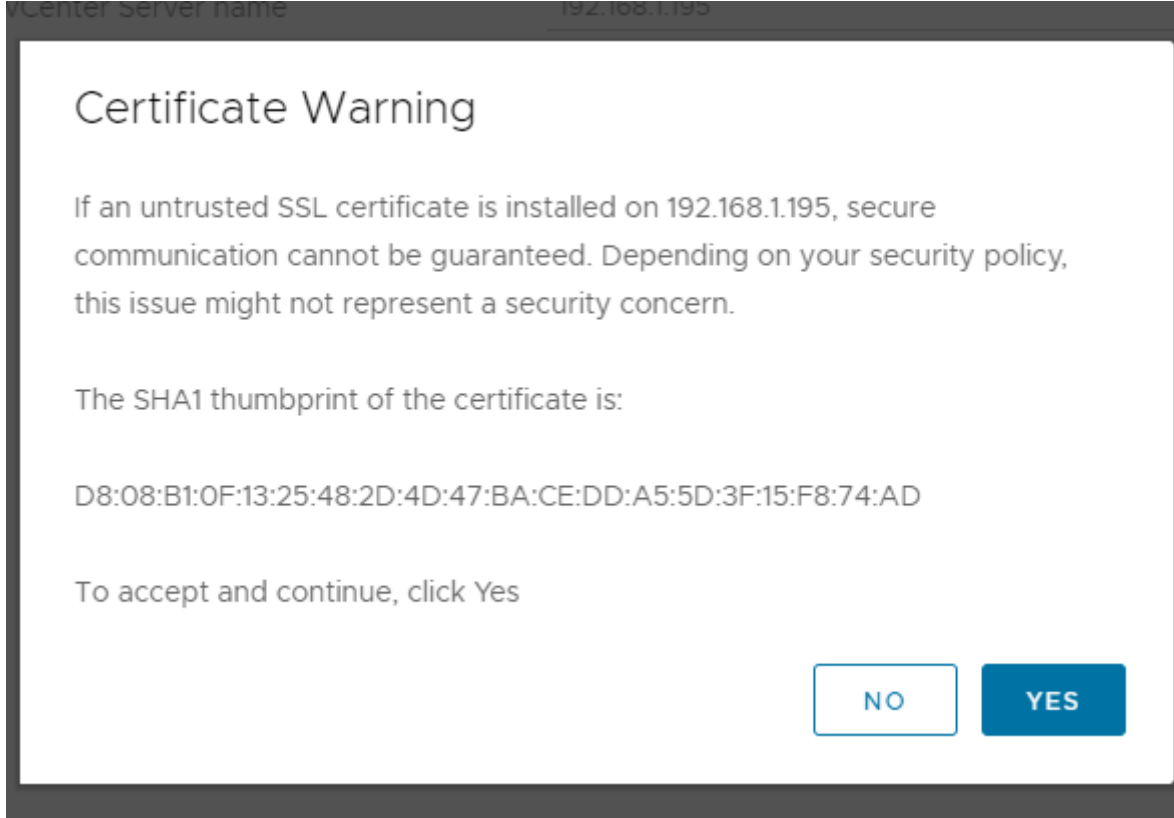
vCenter Server deployment target

Specify the vCenter Server deployment target settings. The target is the ESXi host or vCenter Server instance on which the vCenter Server will be deployed.

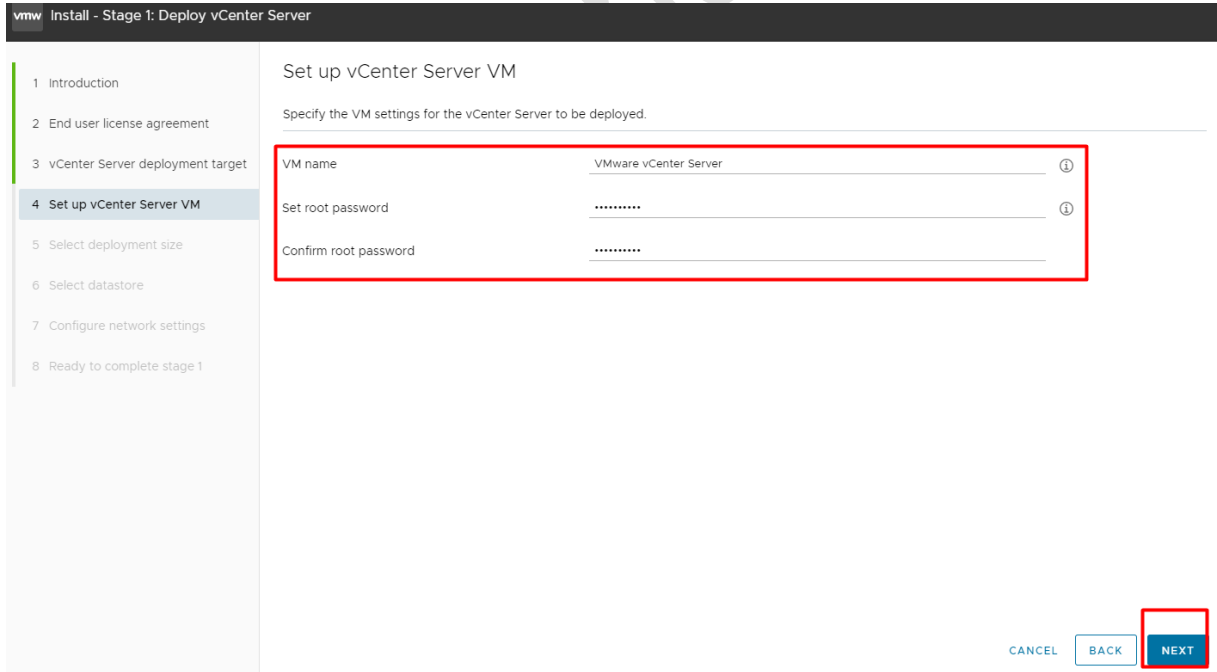
ESXi host or vCenter Server name	192.168.1.195
HTTPS port	443
User name	root
Password

CANCEL BACK NEXT

Sertifikayı kabul edip yes diyorum.



Vcenter için şifre yazarak next ile ilerliyorum.



Bu ekranda yapınıza uygun kurulumu seçerek ilerliyorum. (Ben herhangi bir değişiklik yapmadan default olarak ilerliyorum)

vmw Install - Stage 1: Deploy vCenter Server

1 Introduction
2 End user license agreement
3 vCenter Server deployment target
4 Set up vCenter Server VM
5 Select deployment size
6 Select datastore
7 Configure network settings
8 Ready to complete stage 1

Select deployment size

Select the deployment size for this vCenter Server.

For more information on deployment sizes, refer to the vSphere 7.0 documentation.

Deployment size: Tiny
Storage size: Default

Resources required for different deployment sizes

Deployment Size	vCPUs	Memory (GB)	Storage (GB)	Hosts (up to)	VMs (up to)
Tiny	2	12	463	10	100
Small	4	19	528	100	1000
Medium	8	28	748	400	4000
Large	16	37	1113	1000	10000
X-Large	24	56	1853	2000	35000

CANCEL BACK NEXT

Kurulumun yapılacağı datastore ekranı geldi ve herhangi bir değişiklik yapmadan devam ediyorum. (Farklı bir datastore üzerine kurulum yapmak istiyorsanız esxi hostunuza öncelikli olarak bağlamanız gerekir.)

vmw Install - Stage 1: Deploy vCenter Server

1 Introduction
2 End user license agreement
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4 Set up vCenter Server VM
5 Select deployment size
6 Select datastore
7 Configure network settings
8 Ready to complete stage 1

Select datastore

Select the storage location for this vCenter Server

Install on an existing datastore accessible from the target host

Show only compatible datastores

Name	Type	Capacity	Free	Provisioned	Thin Provisioning
datastore1	VMFS-6	571.75 GB	570.34 GB	1.41 GB	Supported

1 item

Enable Thin Disk Mode

Install on a new vSAN cluster containing the target host

CANCEL BACK NEXT

Karşımıza çıkan ekranda gerekli bilgileri doldurduktan sonra next ile devam ediyorum.

Network: Bu bölümden vCenter Server Appliance virtual machine'nin hangi group'da olacağını seçiyoruz.

IP version: Default olarak IPv4 gelecektir.

IP assignment: Static vermeniz garanti bir çözüm olacaktır.

FQDN: vCenter'ınızın FQDN'ini belirtmeniz gerekiyor. Buraya belirteceğiniz FQDN'in DNS üzerinde düzgün bir şekilde çözülüyor olması gerekiyor. Aksi halde erişim sorunlarınız ortaya çıkacaktır.

IP address: vCenter Server'a vereceğimiz IP'yi yazıyoruz.

Subnet mask: IP'nin subnet bilgisini yazıyoruz.

Default gateway: IP'nin gateway'ini belirtiyoruz.

DNS Server: DNS bilgisini yazıyoruz.

Install - Stage 1: Deploy vCenter Server

1 Introduction
2 End user license agreement
3 vCenter Server deployment target
4 Set up vCenter Server VM
5 Select deployment size
6 Select datastore
7 **Configure network settings**
8 Ready to complete stage 1

Configure network settings

Configure network settings for this vCenter Server

Network	VM Network	ⓘ
IP version	IPv4	
IP assignment	static	
FQDN		ⓘ
IP address		
Subnet mask or prefix length	255.255.255.0	ⓘ
Default gateway		
DNS servers		
Common Ports		
HTTP	80	
HTTPS	443	

CANCEL BACK NEXT

Finish ile kurulumu başlatıyorum.

CANCEL BACK FINISH

Kurulum başladı.

Install - Stage 1: Deploy vCenter Server

0%

Initializing...

CANCEL

Install - Stage 1: Deploy vCenter Server

24%

Deploying the vCenter Server

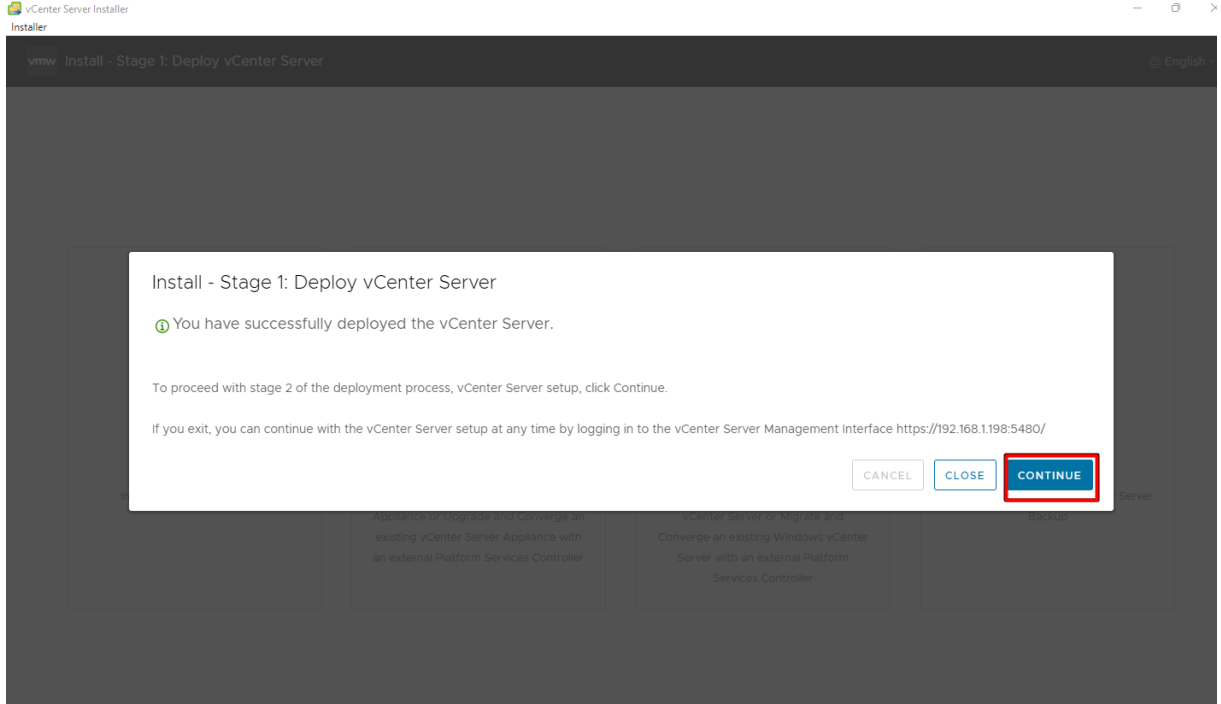
CANCEL

Install - Stage 1: Deploy vCenter Server

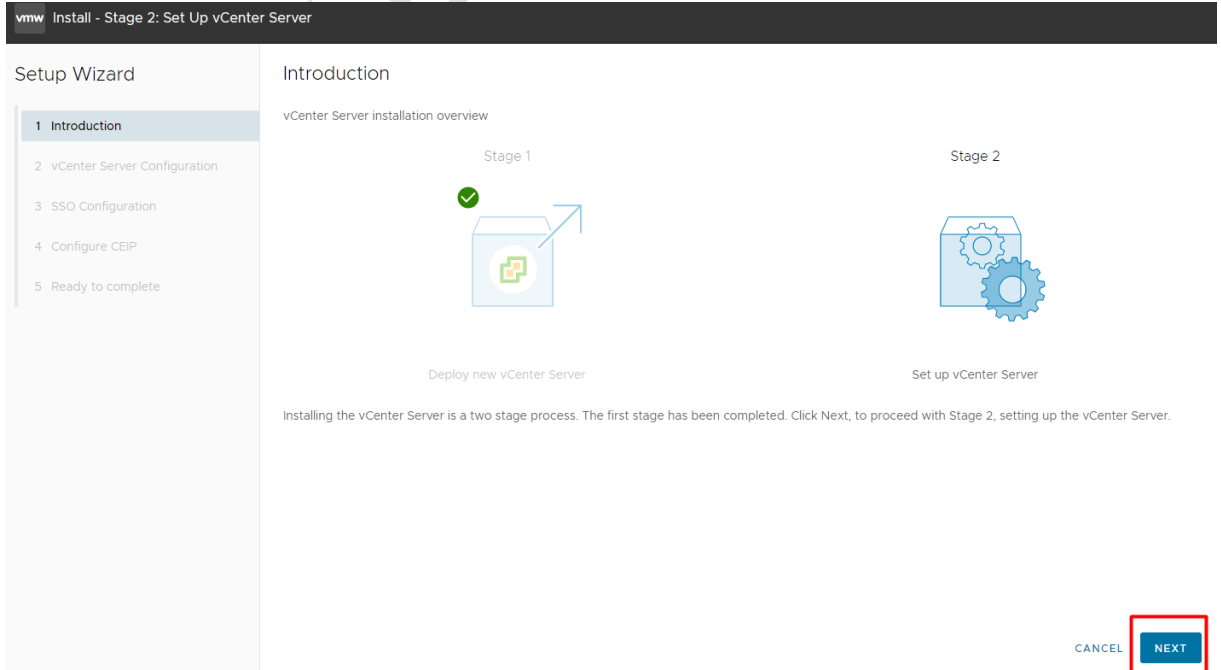
Deploying the vCenter Server 78%

CANCEL

Kurulumumuz 1. adımını başarı ile tamamladık. Continue butonuna basarak 2. Adıma geçiyoruz.



Karşımıza çıkan ekranda next ile devam ediyoruz.



Bu ekranda time zone ayarları ve ssh ayarlarını yapacağız. Burada yapacağımız işlemlere yapınıza uygun olanı seçebilir sonrasında next ile devam ediyoruz.

vmw Install - Stage 2: Set Up vCenter Server

Setup Wizard

1 Introduction

2 vCenter Server Configuration

3 SSO Configuration

4 Configure CEIP

5 Ready to complete

vCenter Server Configuration

Time synchronization mode Synchronize time with the ESXi host

SSH access Enabled

CANCEL BACK NEXT

Biz yeni bir kurulum yaptığımız için create new SSO domain kısmını seçerek devam ediyoruz.

Create a new Single Sign-On domain: Yeni bir Single Sign On domaini oluşturmak istiyorsanız bu seçenek seçilmelidir.

Single Sign-On domain name: Default olarak vSphere.local bırakmanızı öneririm.

vmw Install - Stage 2: Set Up vCenter Server

Setup Wizard

1 Introduction

2 vCenter Server Configuration

3 SSO Configuration

4 Configure CEIP

5 Ready to complete

SSO Configuration

Create a new SSO domain

Single Sign-On domain name vsphere.local

Single Sign-On username administrator

Single Sign-On password

Confirm password

Join an existing SSO domain

vCenter Server

CANCEL BACK NEXT

Next ile devam ediyoruz.

Setup Wizard

- 1 Introduction
- 2 vCenter Server Configuration
- 3 SSO Configuration
- 4 **Configure CEIP**
- 5 Ready to complete

Configure CEIP

Join the VMware Customer Experience Improvement Program

Participating in VMware's Customer Experience Improvement Program ("CEIP") enables VMware to provide you with a proactive, reliable, and consistent vSphere environment and experience. Examples of such enhancements can be seen in the following features:

- vSphere Health
- vSAN Online Health
- vCenter Server Update Planner
- vSAN Performance Analytics
- Host Hardware Compatibility
- vSAN Support Insight

CEIP collects configuration, feature usage, and performance information. No personally identifiable information is collected. All data is sanitized and obfuscated prior to being received by VMware.

For additional information on CEIP and the data collected, please see VMware's [Trust & Assurance Center](#).

Data collection can be enabled or disabled at any time.

Join the VMware's Customer Experience Improvement Program (CEIP)

CANCEL

BACK

NEXT

Finish diyerek 2. Adımı tamamlıyoruz.

Setup Wizard

- 1 Introduction
- 2 vCenter Server Configuration
- 3 SSO Configuration
- 4 Configure CEIP
- 5 **Ready to complete**

Ready to complete

Review your settings before finishing the wizard.

Network Details	
Network configuration	Assign static IP address
IP version	IPv4
IP address	[REDACTED]
Subnet mask	24
Host name	localhost
Gateway	[REDACTED]
DNS servers	[REDACTED]
vCenter Server Details	
Time synchronization mode	Synchronize time with the ESXi host
SSH access	Enabled
SSO Details	
SSO Details	vsphere.local
Username	administrator
Customer Experience Improvement Program	

CANCEL

BACK

FINISH

Warning

⚠ You will not be able to pause or stop the install from completing once its started. Click OK to continue, or Cancel to stop the install.

CANCEL

OK

Kurulumumuz başladı.

Install - Stage 2: vCenter Server setup is in progress

4%

Starting VMware Authentication Framework...

CLOSE

Kurulum başarı ile tamamlandı. Web üzerinden ulaşabiliriz.

Getting Started - vCenter Server

⚠ vCenter Server 7.0 has been successfully installed. However, additional steps must be completed before it is available for use. Click one of the links below to continue setup.

Install - Stage 2: Complete

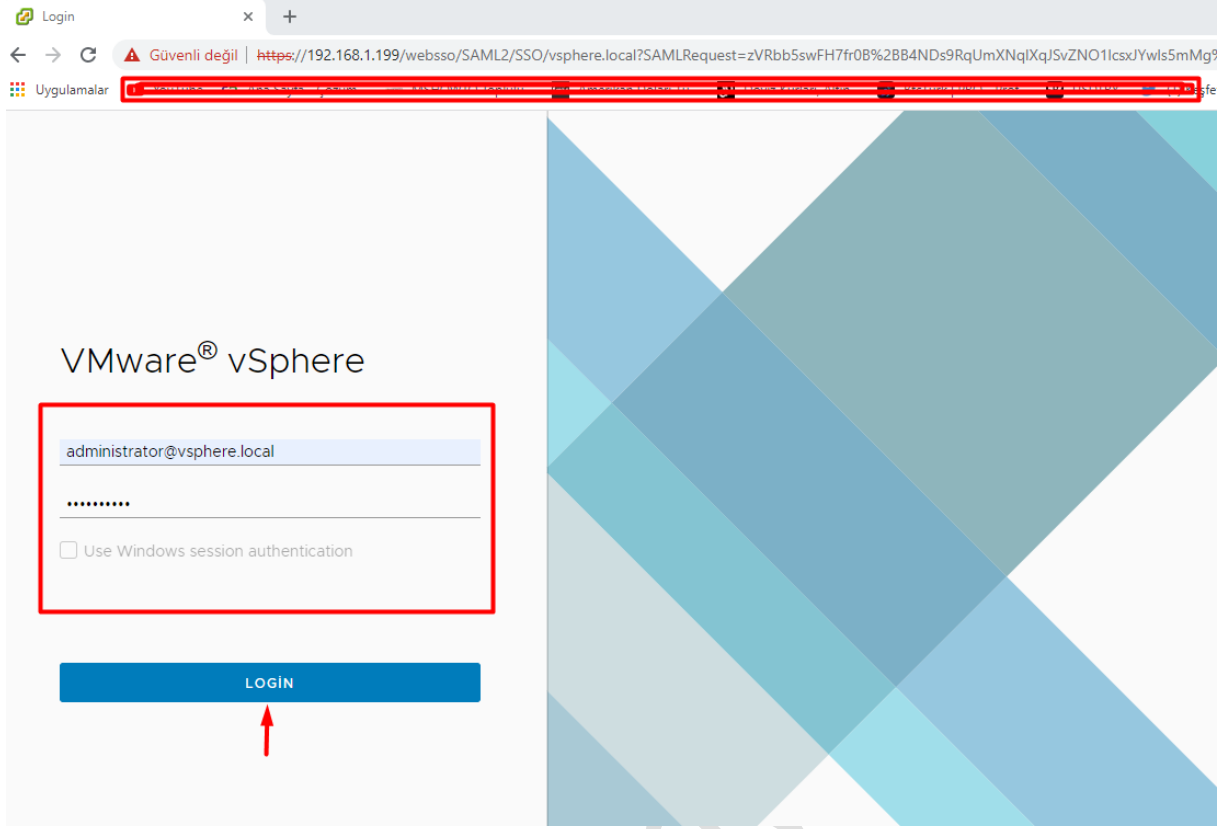
✔ You have successfully setup this vCenter Server.

vCenter Server setup has been completed successfully. Click on the link below to get started. Press close to exit.

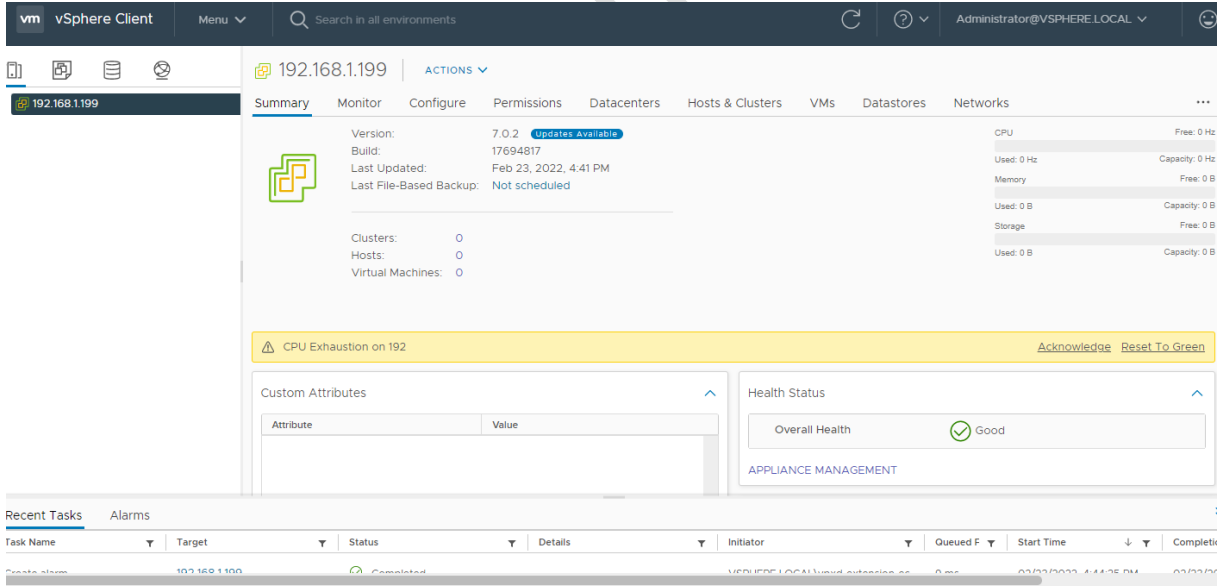
vCenter Server Getting Started Page : <https://192.168.1.199:443>

CLOSE

Vermiş olduğumuz ip ile arayüze giriş yapıyoruz.



Gişiş yaptıktan sonra karşımıza aşağıdaki ekran gelecektir.



Bu ekranda yeni bir datacenter oluşturalım ve esxi hostlarımızı ekleyelim.

192.168.1.199 ACTIONS

Summary Monitor Configure Permissions Datacenters Hosts & Clusters VMs Datastores Networks

Version: 7.0.2 Updates Available
Build: 17694817
Last Updated: Feb 23, 2022, 4:41 PM
Last File-Based Backup: Not scheduled

Clusters: 0
Hosts: 0
Virtual Machines: 0

CPU
Used: 0 Hz
Capacity: 0 Hz

Memory
Used: 0 B
Capacity: 0 B

Storage
Used: 0 B
Capacity: 0 B

Health Status
Overall Health Good

APPLIANCE MANAGEMENT
vCenter HA

Recent Tasks Alarms

Task Name	Target	Status	Details	Initiator	Queued F	Start Time	Completion Time
Copy to...	192.168.1.199	Completed		VSphereLocal	0 ms	02/23/2022 4:44:35 PM	02/23/2022 4:44:35 PM

New Datacenter

Name

Location: 192.168.1.199

Ekranda gördüğümüz üzere datacenterımız oluştu.

vm vSphere Client Menu Search in all environments

192.168.1.199 ACTIONS

erhanayas

Summary Monitor Configure Permissions Datacenters Hosts & Clusters VMs Datastores Netw

Version: 7.0.2 **Updates Available**
Build: 17694817
Last Updated: Feb 23, 2022, 4:41 PM
Last File-Based Backup: Not scheduled

Clusters: 0
Hosts: 0
Virtual Machines: 0

Custom Attributes

Attribute	Value
-----------	-------

Health Status

Overall Health ✔

APPLIANCE MANAGEMENT

vCenter HA

Recent Tasks Alarms

Task Name	Target	Status	Details	Initiator	Queued F
-----------	--------	--------	---------	-----------	----------

Şimdi hostlarımızı ekleyelim. Datacenterımızın üzerine sağ tıklayıp add host diyelim.

vm vSphere Client Menu Search in all environments

192.168.1.199 ACTIONS

erhanayas

Actions - erhanayas

- Add Host...
- New Cluster...
- New Folder
- Distributed Switch
- New Virtual Machine...
- Deploy OVF Template...
- Storage
- Edit Default VM Compatibility...
- Migrate VMs to Another Network...
- Move To...

Version: 7.0.2 **Updates Available**
Build: 17694817
Last Updated: Feb 23, 2022, 4:41 PM
Last File-Based Backup: Not scheduled

Clusters: 0
Hosts: 0
Virtual Machines: 0

Attributes

Attribute	Value
-----------	-------

Host ip adresini yazalım ve next ile devam edelim.

Add Host

1 Name and location

- 2 Connection settings
- 3 Host summary
- 4 Assign license
- 5 Lockdown mode
- 6 VM location
- 7 Ready to complete

Name and location

Enter the name or IP address of the host to add to vCenter Server.

Host name or IP address:

Location:

erhanayas

CANCEL

BACK

NEXT

Esxi hostun kullanıcı bilgilerini yazalım ve next ile devam edelim.

Add Host

1 Name and location

- 2 Connection settings
- 3 Host summary
- 4 Assign license
- 5 Lockdown mode
- 6 VM location
- 7 Ready to complete

Connection settings

Enter the host connection details

User name:

root

Password:

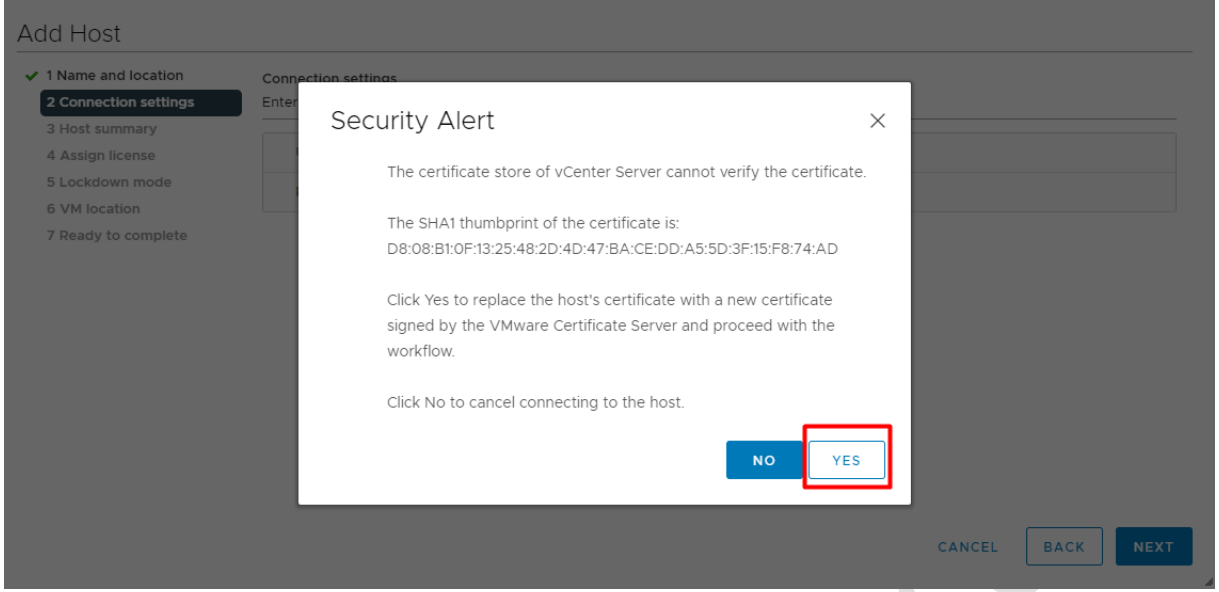
.....

CANCEL

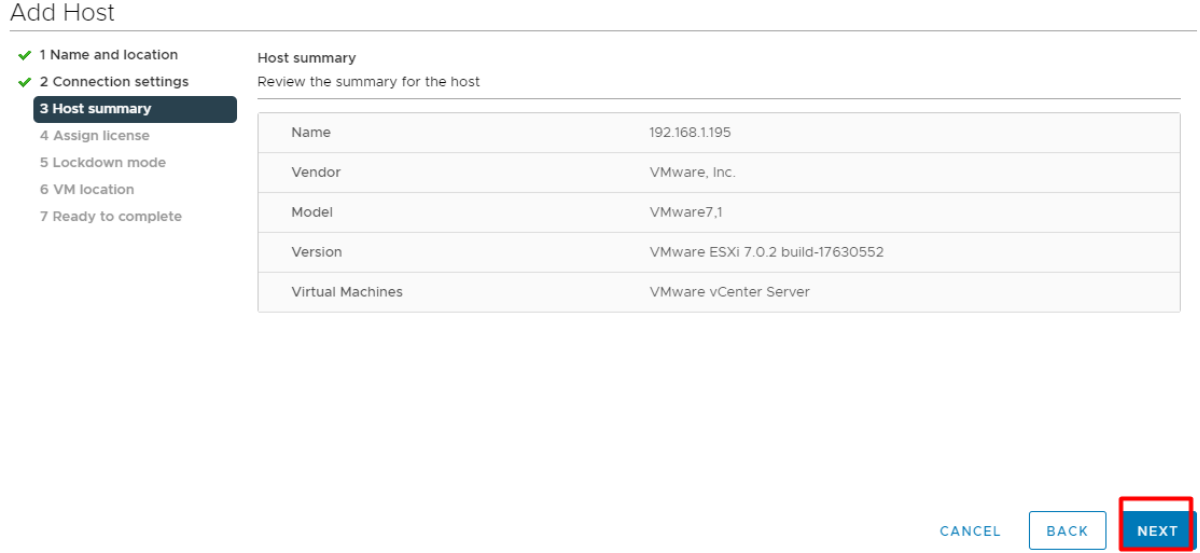
BACK

NEXT

Sertifikayı kabul edip devam edelim.



Next ile devam edelim.



Demo kurulum yaptığımız için lisansımız 60 gün geçerlidir. Next ile devam edelim.

Add Host

- ✓ 1 Name and location
- ✓ 2 Connection settings
- ✓ 3 Host summary
- 4 Assign license**
- 5 Lockdown mode
- 6 VM location
- 7 Ready to complete

Assign license

Assign an existing or a new license to this host

License	License Key	Product	Usage	Capacity
+	⊗ Evaluation License	--	--	--

1 items

Assignment Validation for Evaluation License

⚠ The license expires in 60 days.

CANCEL

BACK

NEXT

Burada herhangi bir işlem yapmadan next ile devam ediyoruz. Lockdown mode ile ilgili detaylı bilgiye aşağıdaki linkten ulaşabilirsiniz.

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.security.doc/GUID-88B24613-E8F9-40D2-B838-225F5FF480FF.html>

Add Host

- ✓ 1 Name and location
- ✓ 2 Connection settings
- ✓ 3 Host summary
- ✓ 4 Assign license
- 5 Lockdown mode**
- 6 VM location
- 7 Ready to complete

Lockdown mode

Specify whether to enable lockdown mode on the host

When enabled, lockdown mode prevents remote users from logging directly into this host. The host will only be accessible through local console or an authorized centralized management application.

If you are unsure what to do, leave lockdown mode disabled. You can configure lockdown mode later by editing Security Profile in host settings.

Disabled

Normal

The host is accessible only through the local console or vCenter Server.

Strict

The host is accessible only through vCenter Server. The Direct Console UI service is stopped.

CANCEL

BACK

NEXT

Next ile devam ediyoruz.

Add Host

- ✓ 1 Name and location
- ✓ 2 Connection settings
- ✓ 3 Host summary
- ✓ 4 Assign license
- ✓ 5 Lockdown mode
- 6 VM location**
- 7 Ready to complete

VM location

erhanayas

CANCEL

BACK

NEXT

Finish ile hostumuzu ekliyoruz.

Add Host

- ✓ 1 Name and location
- ✓ 2 Connection settings
- ✓ 3 Host summary
- ✓ 4 Assign license
- ✓ 5 Lockdown mode
- ✓ 6 VM location
- 7 Ready to complete**

Ready to complete

Click Finish to add the host

Name	192.168.1.195
Location	erhanayas
Version	VMware ESXi 7.0.2 build-17630552
License	Evaluation License
Networks	VM Network
Datastores	datastore1
Lockdown mode	Disabled
VM location	erhanayas

CANCEL

BACK

FINISH

Hostumuzu başarı ile ekledik.

vm vSphere Client

Menu Search in all environments Administrator@VSPHERE.LOCAL

192.168.1.195 ACTIONS

Summary Monitor Configure Permissions VMs Resource Pools Datastores Networks Updates

Hypervisor: VMware ESXi, 7.0.2, 17630552
Model: VMware7,1
Processor Type: Intel(R) Core(TM) i7-8750H CPU @ 2.20GHz
Logical Processors: 4
NICs: 1
Virtual Machines: 1
State: Connected
Uptime: 2 hours

CPU: Free: 7.54 GHz
Used: 1.3 GHz Capacity: 8.83 GHz
Memory: Free: 2.41 GB
Used: 13.59 GB Capacity: 16 GB
Storage: Free: 123.54 GB
Used: 448.21 GB Capacity: 571.75 GB

Hardware Configuration

Tags

Assigned Tag	Category	Description
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Related Objects

None

Recent Tasks Alarms

Task Name	Target	Status	Details	Initiator	Queued F	Start Time	Completion
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Makalemizin sonuna geldik. Umarım faydalı olmuştur. Başka bir makalede görüşmek üzere....

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