

How to Deploy VMware VCSA 6.0 on ESXi Directly ?

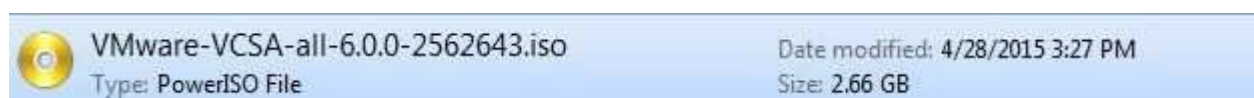
<https://www.unixarena.com/2015/05/how-to-deploy-vmware-vcsa-6-0-on-esxi-directly.html/>

Prior to the VMware vSphere 6.0 , You will be directly getting the vCenter Appliance's OVA file from VMware. Using OVA file, you can directly import as a VM in the vCenter server or ESXi host using vSphere client. It can also be done by using the "Deploy the OVF template" option by right clicking on the Datacenter or the ESXi host from the vSphere web-client. But in vSphere 6.0 onwards, you will be getting full VCSA 6.0 ISO which contains all the necessary files to deploy the vCenter appliance from the Laptop or Desktop. Let's see that how we can deploy the vCenter Server 6.0 on ESXi from the Laptop.

The actual OVA file is present without the extension of .ova. ([Refer Article 402](#)).

Advertisements

1. Download the VMware vCenter Appliance 6.0 .



Download VCSA 6.0 from VMware

2. Use the power ISO to mount the ISO file on the virtual CD drive or extract the file.

Name	Date modified	Type	Size
dbschema	3/5/2015 7:24 AM	File folder	
vcsa	3/5/2015 7:24 AM	File folder	
vcsa-cli-installer	3/5/2015 7:24 AM	File folder	
readme.txt	3/5/2015 7:24 AM	Text Document	2 KB
readme-de.txt	3/5/2015 7:24 AM	Text Document	2 KB
readme-fr.txt	3/5/2015 7:24 AM	Text Document	2 KB
readme-ja.txt	3/5/2015 7:24 AM	Text Document	2 KB
readme-ko.txt	3/5/2015 7:24 AM	Text Document	2 KB
readme-zh-CN.txt	3/5/2015 7:24 AM	Text Document	2 KB
readme-zh-TW.txt	3/5/2015 7:24 AM	Text Document	2 KB
vcsa-setup.html	3/5/2015 7:24 AM	HTML Document	1,834 KB

After Extracting the ISO

3. Open the vcsa-setup.html file. Click on "Install"



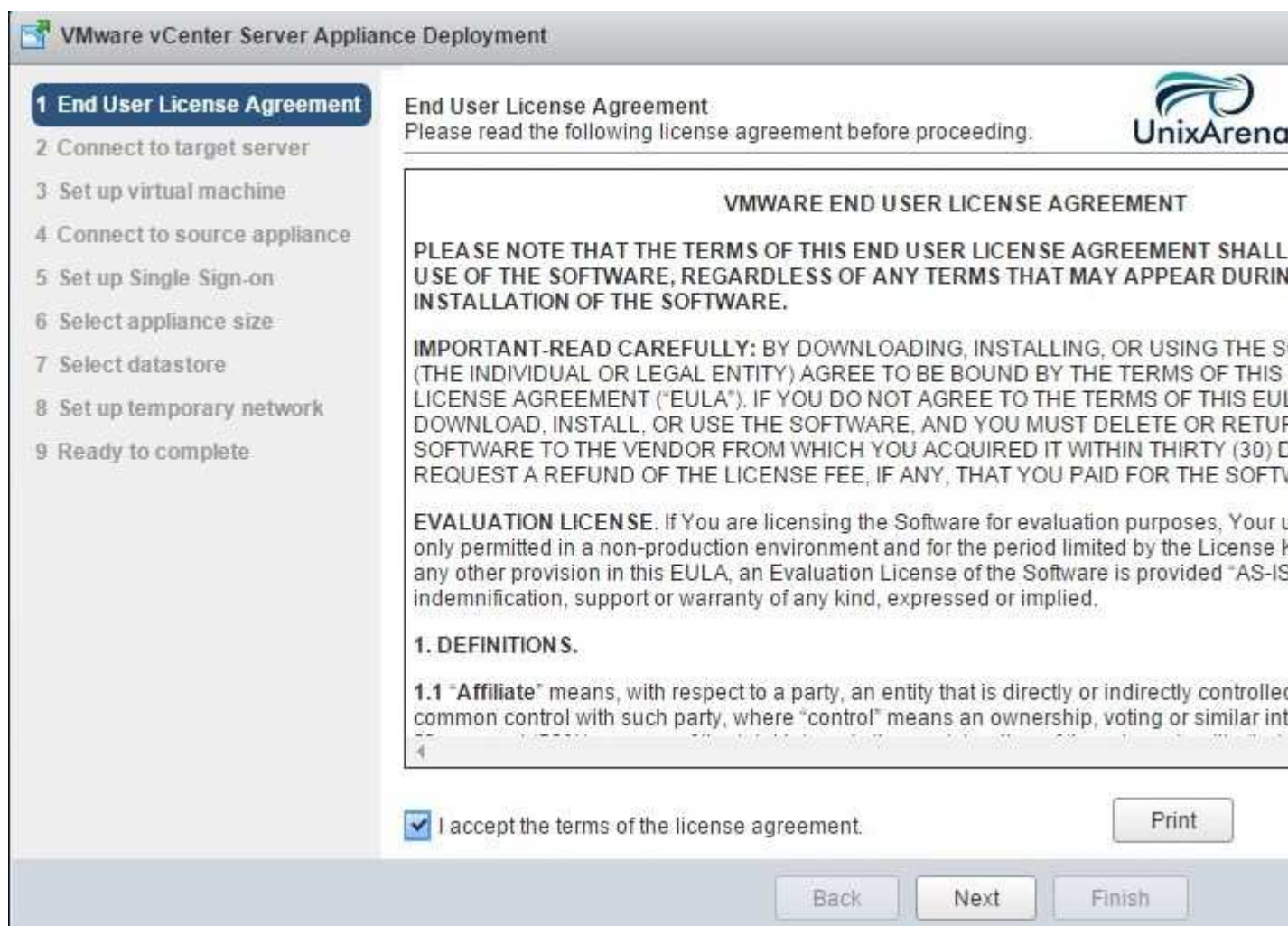
vCenter Server Appliance 6.0 Deploy

If you want to upgrade the existing the appliance, click on “upgrade”. The upgrade is possible only for vCenter Server appliance 5.1 U3 & vCenter Server Appliance 5.5 versions.




VCSA – Upgrade

5. Let me proceed with new VCSA 6.0 deployment.



Accept the VCSA 6.0 License Agreement.


6. Enter the target ESXi server IP address where you would like to deploy this appliance. You need to provide the ESXi's root credentials.

VMware vCenter Server Appliance Deployment 


- 1 End User License Agreement
- 2 Connect to target server**
- 3 Set up virtual machine
- 4 Select deployment type
- 5 Set up Single Sign-on
- 6 Single Sign-on Site
- 7 Select appliance size
- 8 Select datastore
- 9 Configure database
- 10 Network Settings
- 11 Ready to complete

Connect to target server
Specify the ESXi host on which to deploy the vCenter Server Appliance.

FQDN or IP Address:

User name: 

Password:

 Before proceeding:

- Make sure the ESXi host is not in lock down mode or maintenance mode.
- When deploying to a vSphere Distributed Switch (VDS), the appliance must be portgroup. After deployment, it can be moved to a static or dynamic portgroup.


Enter the ESXi host details

7. Enter the Appliance Name and set the root user credentials.


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Set up virtual machine
Specify virtual machine settings for the vCenter Server Appliance to be deployed.

Appliance name: 

OS user name:

OS password: 

Confirm OS password:



Enter the VCSA Name

8. Select the deployment type.

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Select deployment type
Select the services to deploy onto this appliance.

vCenter Server 6.0 requires a Platform Services Controller, which contains shared services such as Licensing, and Certificate Management. An embedded Platform Services Controller is deployed on Appliance VM as vCenter Server. An external Platform Services Controller is deployed in a separate installation. For smaller installations, consider vCenter Server with an embedded Platform Services Controller. For installations with multiple vCenter Servers, consider one or more external Platform Services Controller. See vCenter Server documentation for more information.

Note: Once you install vCenter Server, you can only change from an embedded to an external Platform Services Controller with a fresh install.

Embedded Platform Services Controller

Install vCenter Server with an Embedded Platform Services Controller

External Platform Services Controller

Install Platform Services Controller

Install vCenter Server (Requires External Platform Services Controller)

Back Next Finish Cancel



Select the Deployment Type

9. create the new SSO domain if you do not have existing one.

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Set up Single Sign-on (SSO)
Create or join a SSO domain. An SSO configuration cannot be changed after deployment.

Create a new SSO domain

Join an SSO domain in an existing vCenter 6.0 platform services controller

vCenter SSO User name: administrator

vCenter SSO Password: ⓘ

Confirm password:

SSO Domain name: ua.com ⓘ

SSO Site name: UA-BLR ⓘ

⚠ Before proceeding, make sure that the vCenter Single Sign-On domain name used is Active Directory domain name.



Create New SSO Domain

10. Select the appliance size based on your requirement.

The screenshot shows the 'VMware vCenter Server Appliance Deployment' wizard at step 6, 'Select appliance size'. The left sidebar lists steps 1 through 10, with step 6 highlighted in a dark blue bar. The main content area is titled 'Select appliance size' and includes the instruction 'Specify a deployment size for the new appliance'. Below this, the 'Appliance size:' label is followed by a text box containing 'Tiny (up to 10 hosts, 100 VMs)'. A 'Description:' section explains that this option deploys a Tiny VM with 2 vCPUs and 8 GB of memory, including vCenter Server and an embedded Platform Services Controller. The UnixArena logo is visible in the bottom right corner.

Appliance Size

11. Select the database type.

The screenshot shows the 'VMware vCenter Server Appliance Deployment' wizard at step 8, 'Configure database'. The left sidebar lists steps 1 through 10, with step 8 highlighted in a dark blue bar. The main content area is titled 'Configure database' and includes the instruction 'Configure the database for this deployment'. Below this, there are two radio button options: 'Use an embedded database (vPostgres)' (which is selected) and 'Use Oracle database'. The UnixArena logo is visible in the bottom center.

12. Enter the Appliance IP address and other network settings .

The screenshot shows the 'VMware vCenter Server Appliance Deployment' wizard. On the left, a progress list shows steps 1 through 10, with '9 Network Settings' highlighted in blue. The main area is titled 'Network Settings' and contains the following fields:

Choose a network:	VM Network
IP address family:	IPv4
Network type:	static
Network address:	192.168.2.19
System name [FQDN or IP address]:	192.168.2.19
Subnet mask:	255.255.255.0
Network gateway:	192.168.2.1
Network DNS Servers (separated by commas):	

Network Settings for Appliance

13. Here is the summary of the deployment. Click finish to kick of the deployment.

The screenshot shows the 'VMware vCenter Server Appliance Deployment' wizard at the 'Ready to complete' stage. The progress list on the left shows step 10 'Ready to complete' highlighted in blue. The main area displays a summary of the deployment settings:

ESXi server info:	192.168.2.26
Name:	vCenter25
Installation type:	Install
Deployment type:	Embedded Platform Services Controller
Deployment configuration:	Tiny (up to 10 hosts, 100 VMs)
Datastore:	UADS1
Disk mode:	thin
Network mapping:	Network 1 to VM Network
IP allocation:	IPv4 , static
Time synchronization:	Synchronize appliance time with ESXi host
Database:	embedded
Properties:	SSH enabled = true SSO User name = administrator SSO Domain name = ua.com SSO Site name = UA-BLR Network 1 IP address = 192.168.2.19 Host Name = 192.168.2.19 Network 1 netmask = 255.255.255.0 Default gateway = 192.168.2.1 DNS = 192.168.2.1

At the bottom, there are four buttons: 'Back', 'Next', 'Finish', and 'Cancel'. The 'Finish' button is highlighted in blue.

Summary of the deployment

It shows the deployment progress like below .

VMware vCenter Server Appliance Deployment



Starting VMware Component Manager...



Close

Status of the VCSA deployment

14. Once the deployment is completed , click “close”

VMware vCenter Server Appliance Deployment UnixArena



Installation Complete

Your vCenter Server is successfully installed.

Post install steps:

1. vCenter Server is installed in evaluation mode. Activate vCenter Server by using the vSphere Web Client within 60 days. When the evaluation period of this vCenter Server expires, all hosts will be disconnected from this vCenter Server.
2. Use the vSphere Web Client to manage vCenter Server. Log in with the Single Sign-On administrator account administrator@ua.com

You can now login to vSphere Web Client: <https://192.168.2.19/vsphere-client> as administrator@ua.com

Close

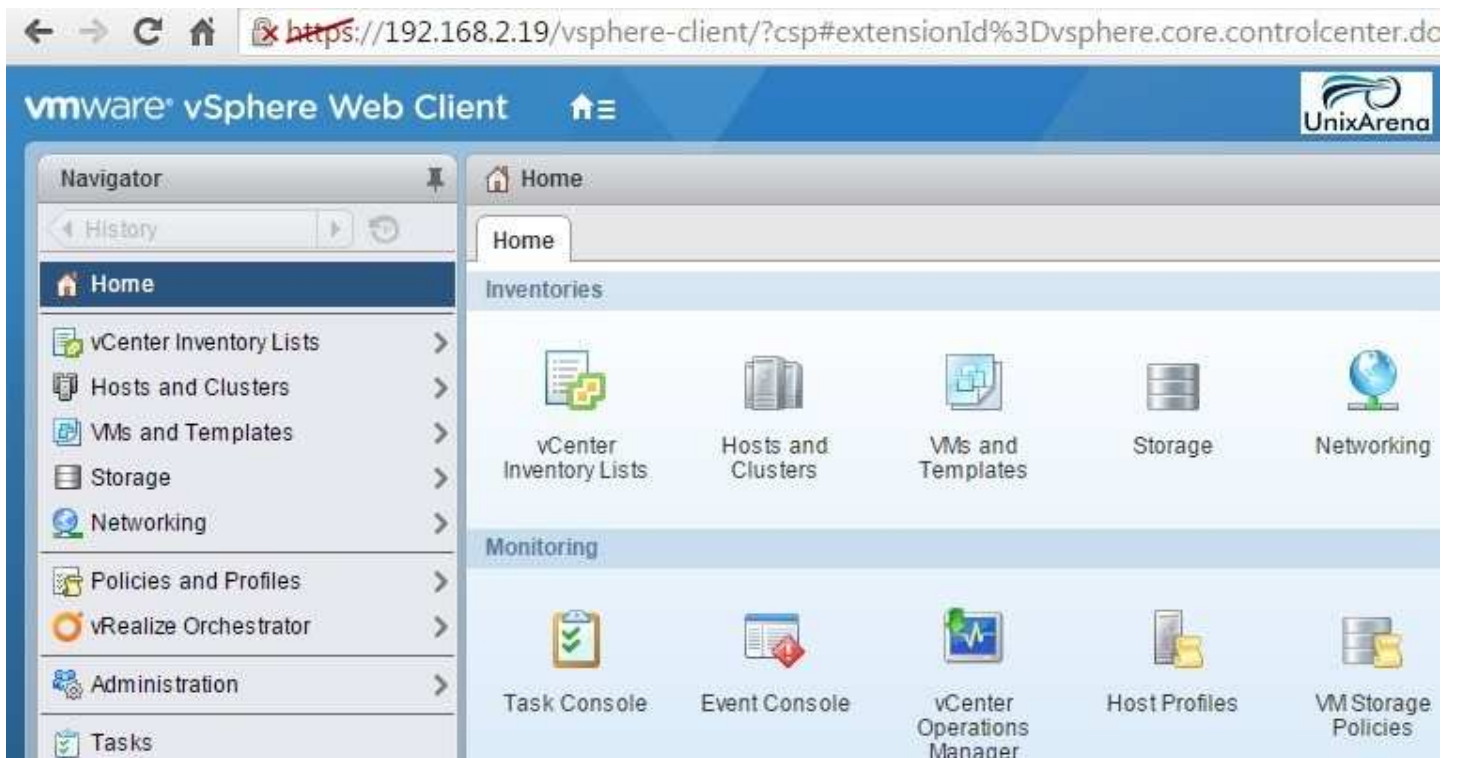
Deployment is completed

You can access the vSphere web-client using the appliance URL (<https://192.168.2.19/vsphere-client>)



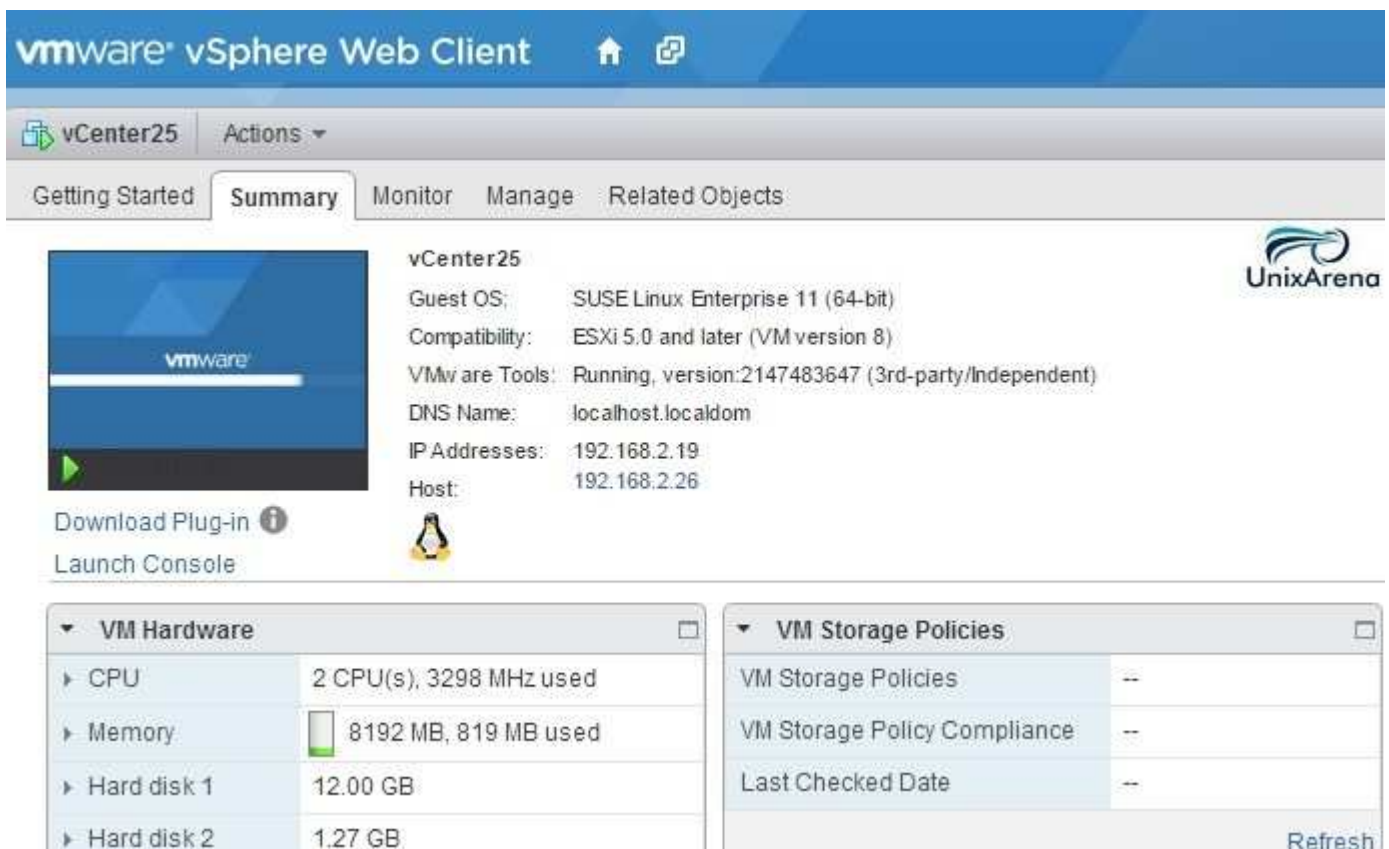
vSphere Web-Client URL

Home page of the vSphere web-client



Home page

If you connect to the ESXi using vSphere client , you can see the VCSA 6.0 VM like below.



vCSA 6.0 VM view