

# How to deploy VCSA 6.0 on VMware workstation ?

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

VMware VCSA (vCenter Server Appliance) 6.0 has eliminated the previous releases limitations and issues. Now VCSA 6.0 is able to provide the all the features what the Windows vCenter servers is providing currently. In other words , there is no difference between Windows vCenter and VCSA. So it s up to the customer to choose what they need on their environment. VMware has changed the way of deploying the VCSA completely and its not straight forward to deploy in VMware workstation/Fusion. But its quite easy when you deploy as VM in VMware ESXi host. In this article ,we will see that how to deploy the VMware VCSA (vCenter Server Appliance) 6.0 on VMware workstation.

## Task:1

### Advertisements

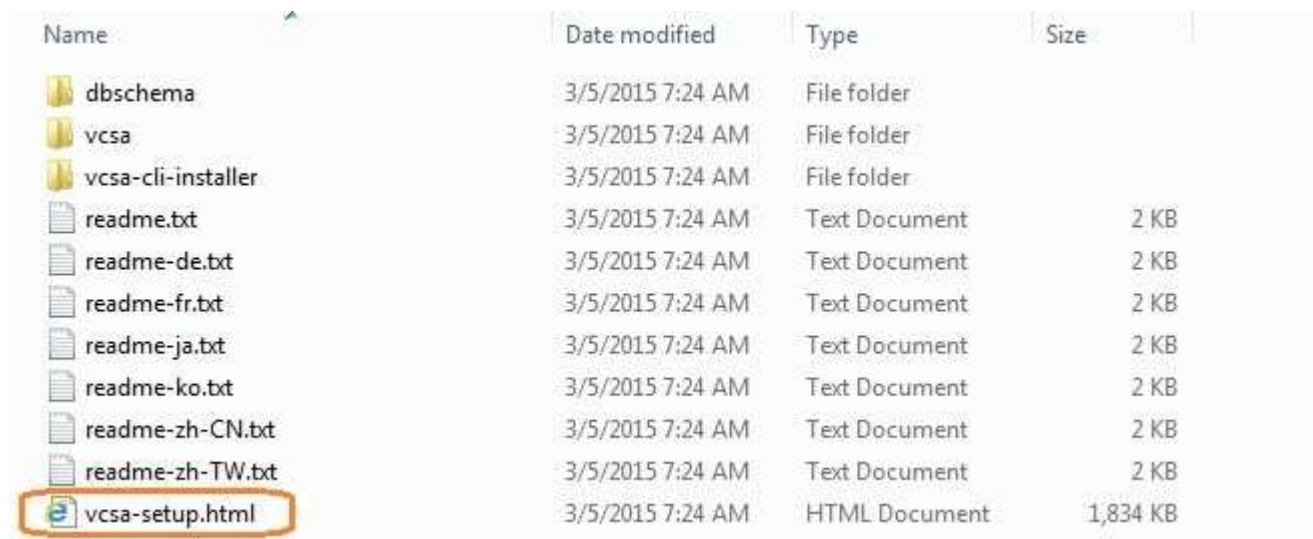
1. Download the VCSA 6.0 from VMware website.



VMware-VCSA-all-6.0.0-2562643.iso  
Type: PowerISO File  
Date modified: 4/28/2015 3:27 PM  
Size: 2.66 GB

Download VCSA 6.0 from VMware

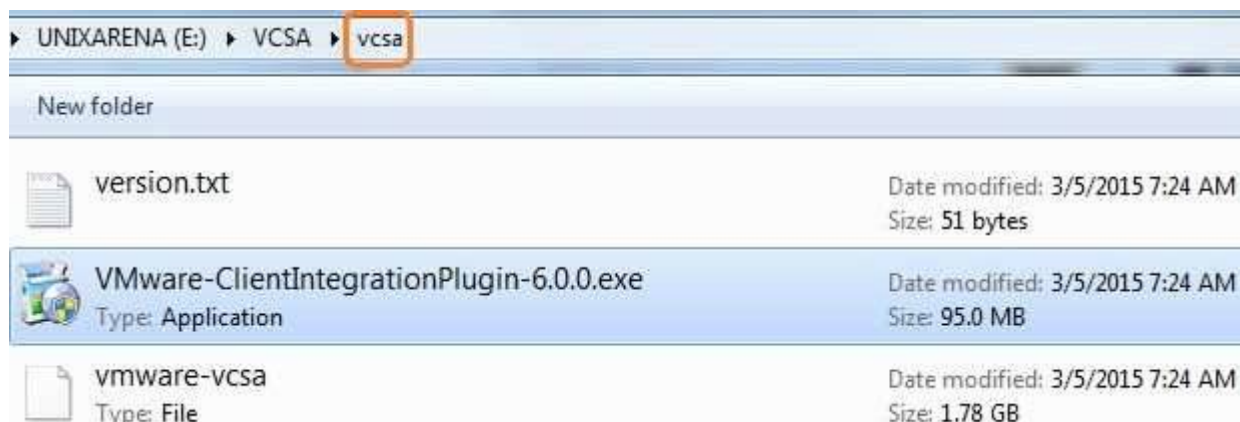
2. Use the power ISO to extract the ISO file or you can mount the ISO file on the virtual CD drive.



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. Navigate to vcsa directory.



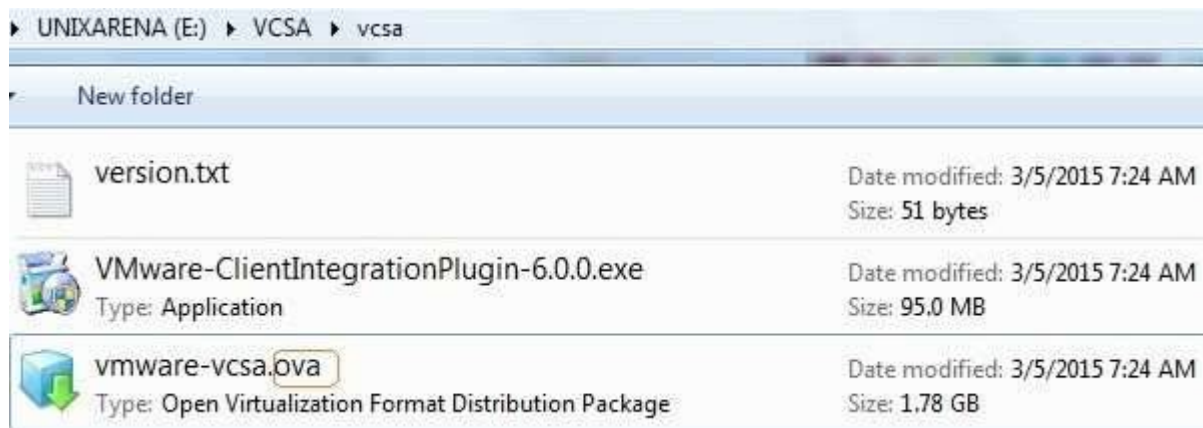
UNIXARENA (E:) > VCSA > vcsa

New folder

version.txt	Date modified: 3/5/2015 7:24 AM Size: 51 bytes
VMware-ClientIntegrationPlugin-6.0.0.exe	Date modified: 3/5/2015 7:24 AM Size: 95.0 MB
vmware-vcsa	Date modified: 3/5/2015 7:24 AM Size: 1.78 GB

VMware VCSA

4. By Default, vmware-vcsa file be without extension of “.ova” . Just rename the file “vmware-vcsa” as “vmware-vcsa.ova”.



Make it as OVA

5. Open the VMware workstation 10 . Click on File -> Open .

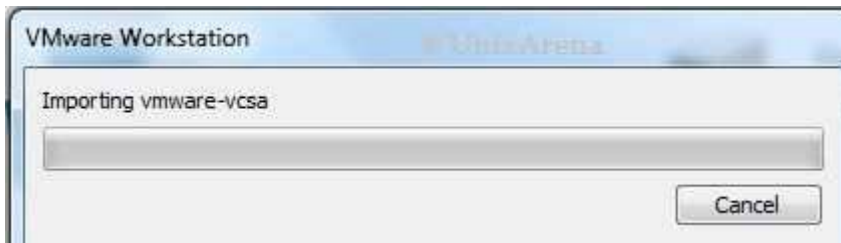


VMware workstation Open

6. Select the file “vmware-vcsa.ova”

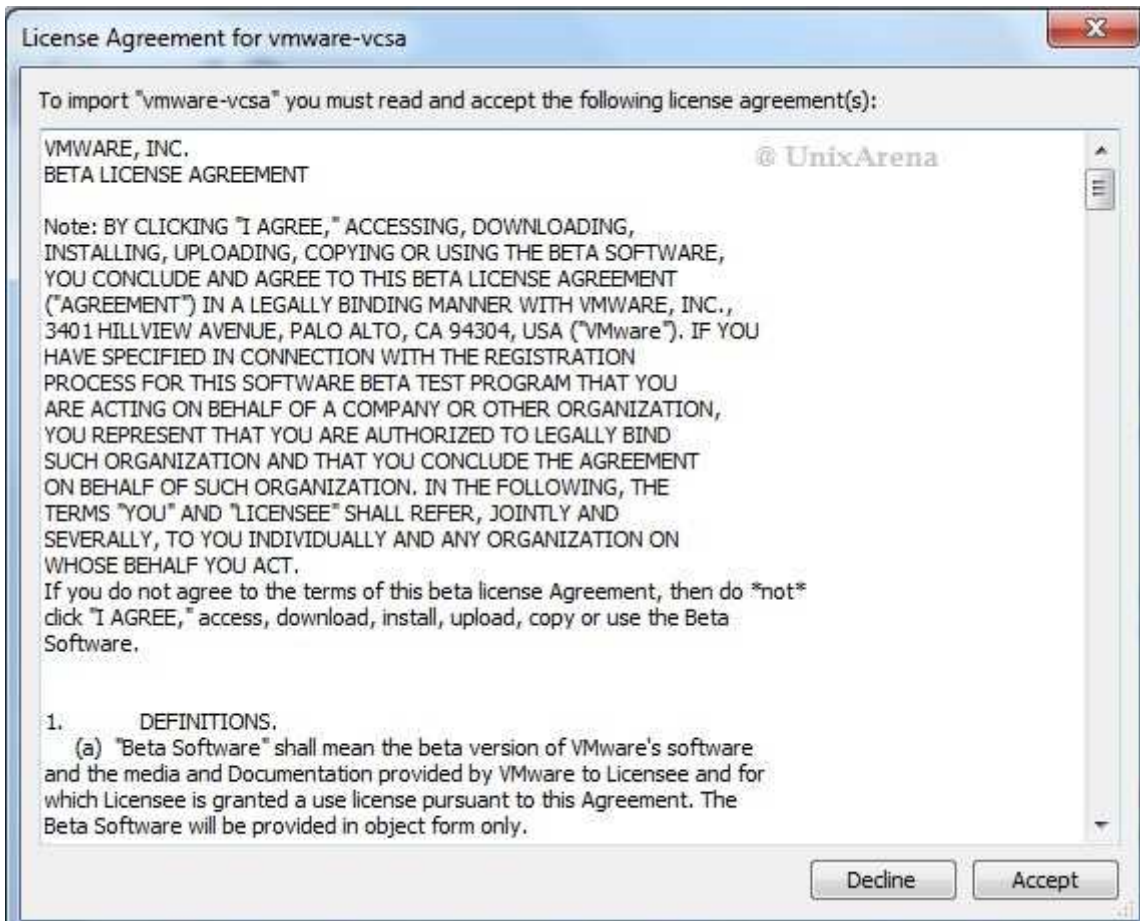


Storage path for VCSA



Importing the OVA

7. Accept the License.



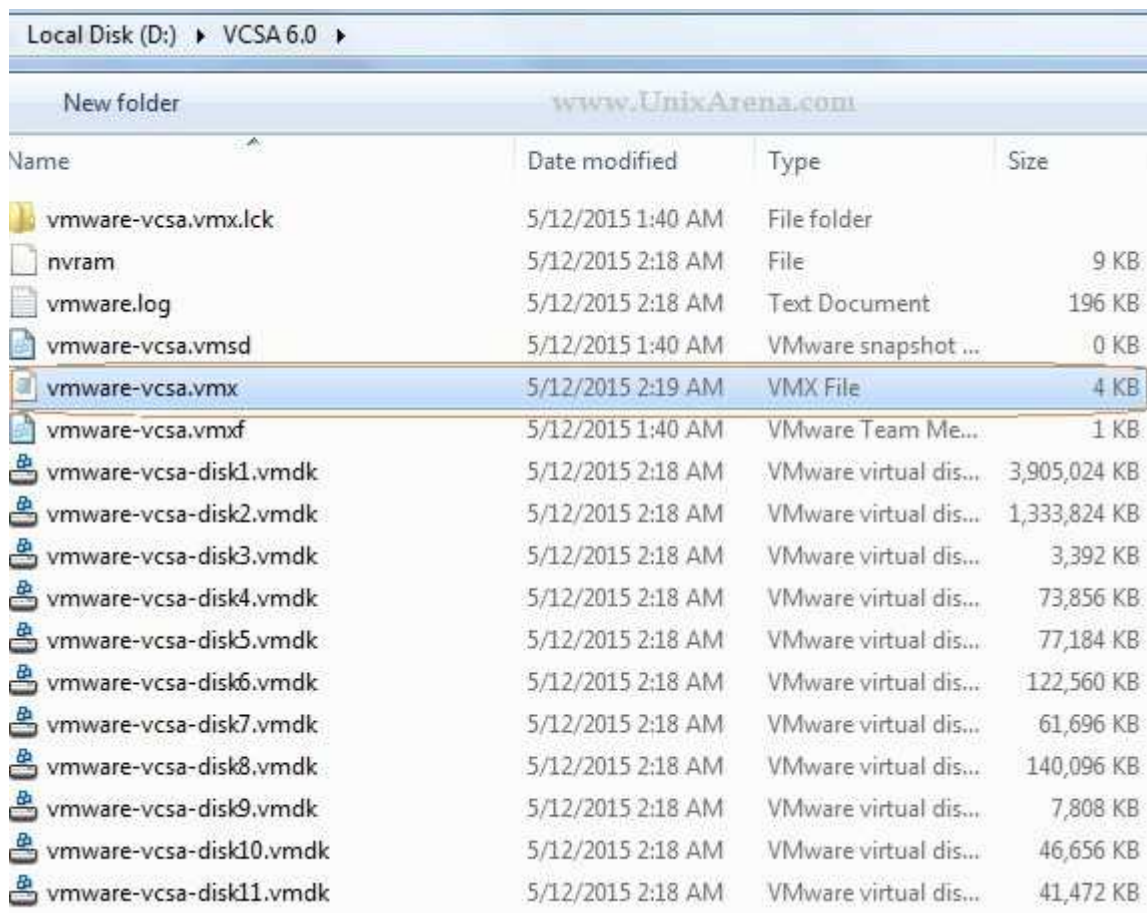
8.The new VM will be created like below. Do not power on the VM.

The screenshot shows the VMware vCenter console interface. The browser tabs at the top include 'Home', 'ESXi 6.0 1', and 'vmware-vcasa'. The main header displays the VMware logo and the URL 'www.UnixArena.com'. On the left sidebar, there are three main sections: 'Actions' with options to 'Power on this virtual machine', 'Edit virtual machine settings', and 'Upgrade this virtual machine'; 'Devices' listing hardware components; and 'Description' showing the VM name 'VMware vCenter Server Appliance'. The main area on the right shows a dark, inactive virtual machine display. Below the display, the 'Virtual Machine Details' section is expanded, showing the following information:

- State:** Powered off
- Configuration file:** D:\VCSA\vmware-vcasa.vmx
- Hardware compatibility:** Workstation 8.0 virtual machine

VM is created

## 9. Edit the VM's vmx file.



Name	Date modified	Type	Size
vmware-vcxa.vmx.lck	5/12/2015 1:40 AM	File folder	
nvram	5/12/2015 2:18 AM	File	9 KB
vmware.log	5/12/2015 2:18 AM	Text Document	196 KB
vmware-vcxa.vmsd	5/12/2015 1:40 AM	VMware snapshot ...	0 KB
vmware-vcxa.vmx	5/12/2015 2:19 AM	VMX File	4 KB
vmware-vcxa.vmx	5/12/2015 1:40 AM	VMware Team Me...	1 KB
vmware-vcxa-disk1.vmdk	5/12/2015 2:18 AM	VMware virtual dis...	3,905,024 KB
vmware-vcxa-disk2.vmdk	5/12/2015 2:18 AM	VMware virtual dis...	1,333,824 KB
vmware-vcxa-disk3.vmdk	5/12/2015 2:18 AM	VMware virtual dis...	3,392 KB
vmware-vcxa-disk4.vmdk	5/12/2015 2:18 AM	VMware virtual dis...	73,856 KB
vmware-vcxa-disk5.vmdk	5/12/2015 2:18 AM	VMware virtual dis...	77,184 KB
vmware-vcxa-disk6.vmdk	5/12/2015 2:18 AM	VMware virtual dis...	122,560 KB
vmware-vcxa-disk7.vmdk	5/12/2015 2:18 AM	VMware virtual dis...	61,696 KB
vmware-vcxa-disk8.vmdk	5/12/2015 2:18 AM	VMware virtual dis...	140,096 KB
vmware-vcxa-disk9.vmdk	5/12/2015 2:18 AM	VMware virtual dis...	7,808 KB
vmware-vcxa-disk10.vmdk	5/12/2015 2:18 AM	VMware virtual dis...	46,656 KB
vmware-vcxa-disk11.vmdk	5/12/2015 2:18 AM	VMware virtual dis...	41,472 KB

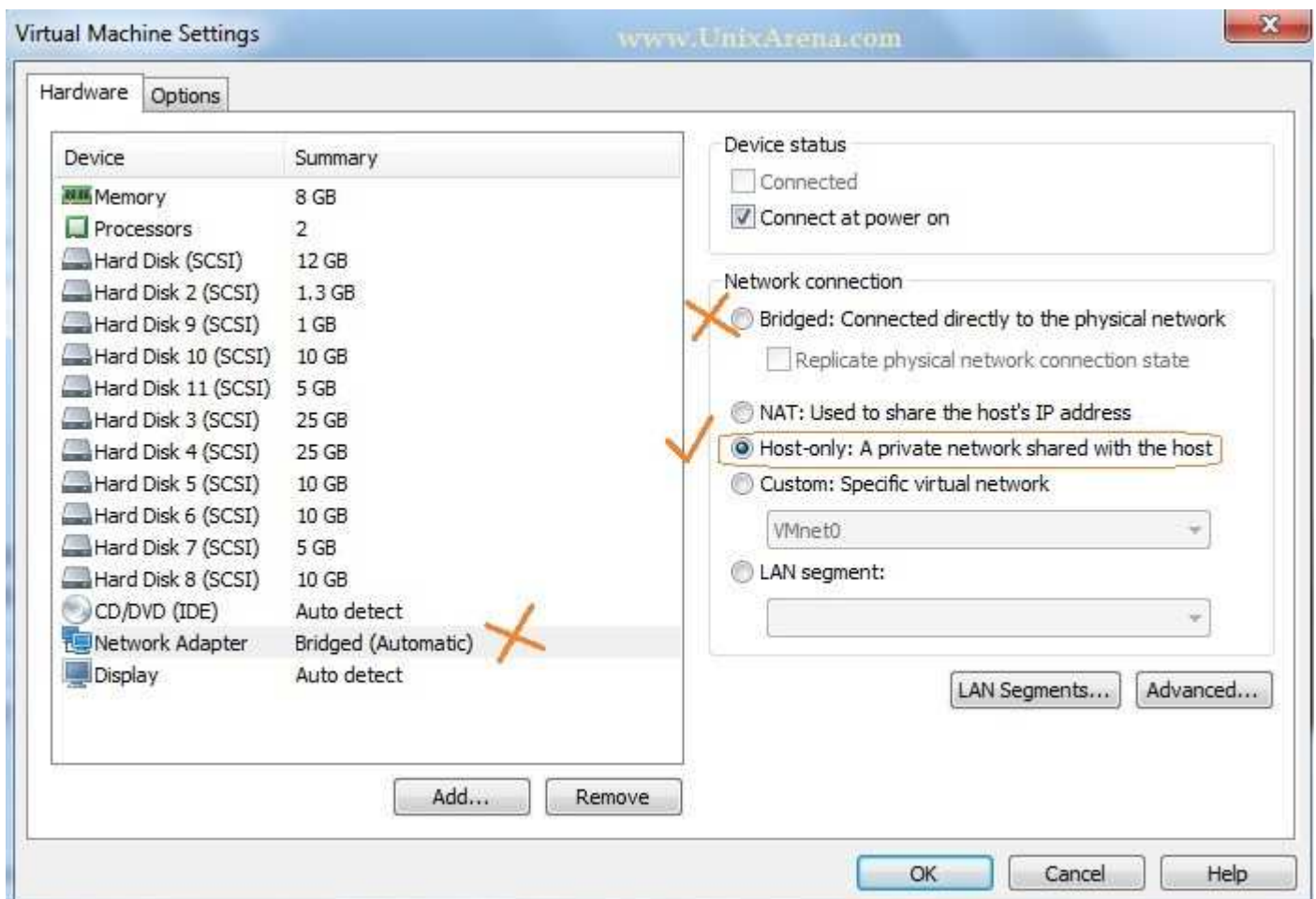
Edit the vmx file

Add the below lines in the end of the vmx file and save it .

```
guestinfo.cis.appliance.net.addr.family = "ipv4"  
guestinfo.cis.appliance.net.mode = "static"  
guestinfo.cis.appliance.net.addr = "172.25.2.150"  
guestinfo.cis.appliance.net.prefix = "24"  
guestinfo.cis.appliance.net.gateway = "172.25.2.190"  
guestinfo.cis.vmdir.password = "VMware1!"  
guestinfo.cis.appliance.root.passwd = "VMware1!"  
guestinfo.cis.appliance.time.tools-sync = "True"  
guestinfo.cis.appliance.ssh.enabled = "True"
```

According to the above mentioned configuration, VM VCSA's IP address will be "172.25.2.150" and gateway will be "172.25.2.190". The root password will be set to "VMware1!". Please change these information according to your environment in the vmx file.

10. Edit the VM's network settings to "host only" or "NAT" based on your requirement.



change the network settings of VM

11. Power on the VM .



VM VCSA 6.0 is booting

VCSA is booting .

www.UnixArena.com

vmware®

VM VCSA 6.0 booting

12. System performs lot of configuration automatically.

```
vmware® www.UnixArena.com
##
applmgmt #####
##
Changing login shell for root.
Shell changed.
^[[IIB/etc/sudoers.temp: parsed OK
** Enabling sendmail localhost access
  Disable screen blanking on tty1
  Disable blanking of DCUI
  Add login failure delay to pam configuration
Preparing... #####
##
libxml2 #####
##
libxml2-python #####
##
2015-05-11T20:16:29.735Z: Updating configuration state based on install para
ms
Password deleted.
Changing login shell for root.
Shell not changed.
Setting root and grub passwords.
Setting root password.
Changing password for root.
Setting grub password.
```

VCSA auto-config

13. System is completely up now. The post configuration can be done by accessing the URL.

```
VMware vCenter Server Appliance 6.0.0
Type: vCenter Server with an embedded Platform Services Controller

2 x Intel(R) Core(TM) i5-4310U CPU @ 2.00GHz
7.8 GiB Memory

Download support bundle from:
https://172.25.2.150:443/appliance/support-bundle
https://172.25.2.150/ (STATIC)

<F2> Customize System                                <F12> Shut Down/Restart
```

VMCSA Home Page

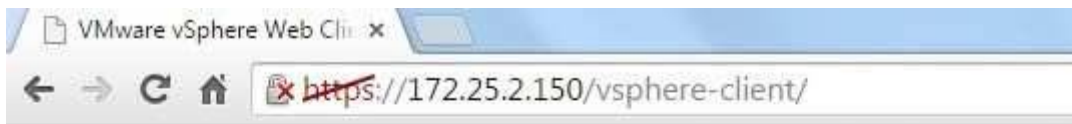
14. Access the Link from your Desktop/Laptop Browser. Click on “Login to vSphere Web Client” (Here the link is <https://172.25.2.150/>)



VMware VCSA – Home

You need to wait for sometime to initialize the vCenter services to come up once VCSA 6.0 is up . Sometimes you will get black page or something like below. Be patience.





## The vSphere Client web server is initializing

The vSphere Client web server is still initializing. Please try again shortly.

[VMware vSphere Documentation and Support](#)



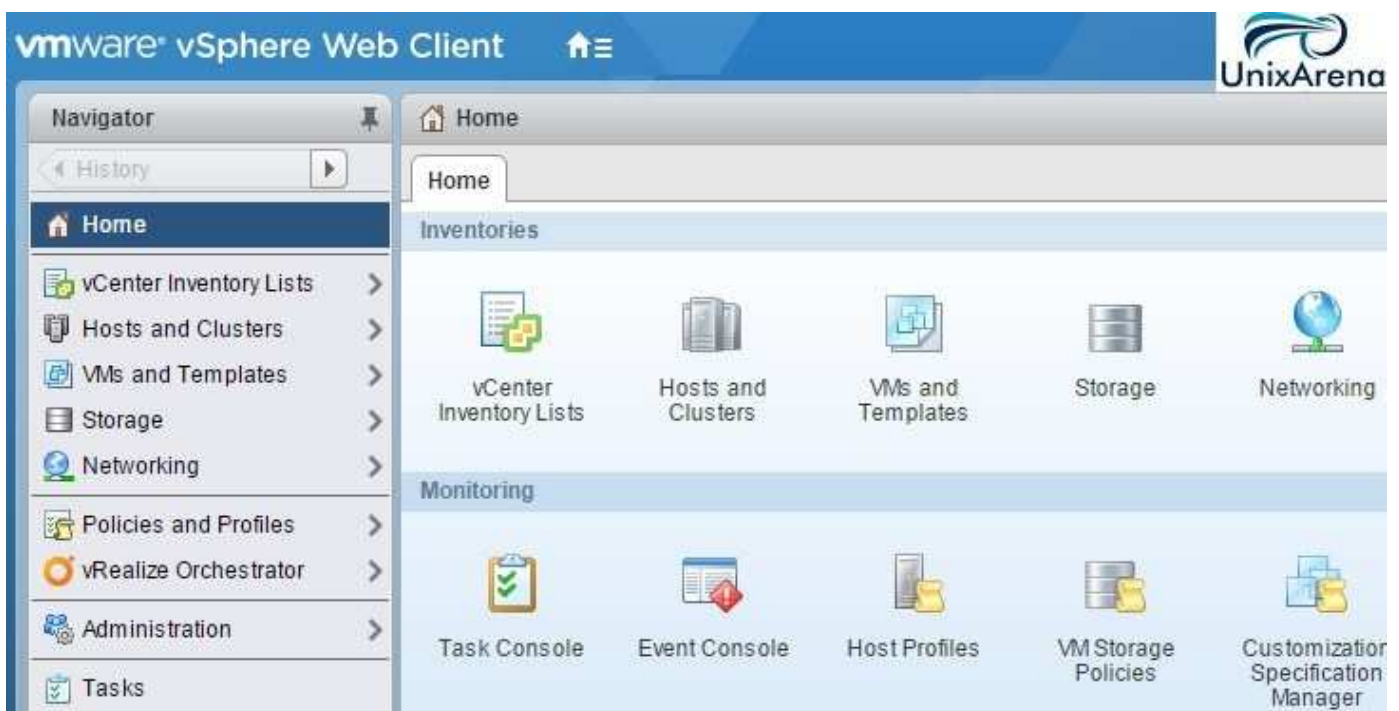
vSphere Client web server in initializing

15. Once the vCenter services are up , you will get a login page like below .



Login screen

Once you login to the webclient , you will get the screen like .



Home – VMware vSphere

We have successfully deployed the VMware VCSA 6.0 on VMware workstation. Hope this article is helpful to you.