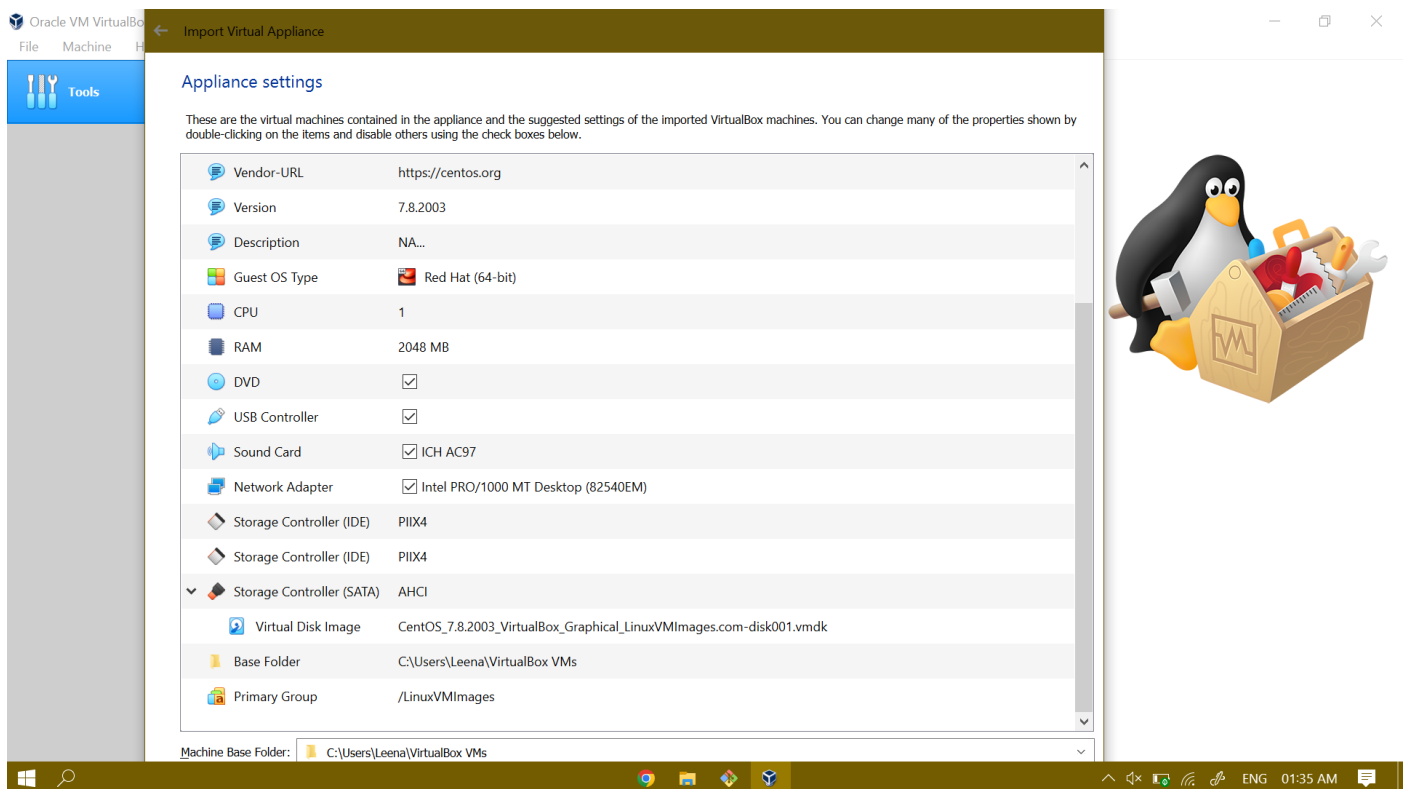
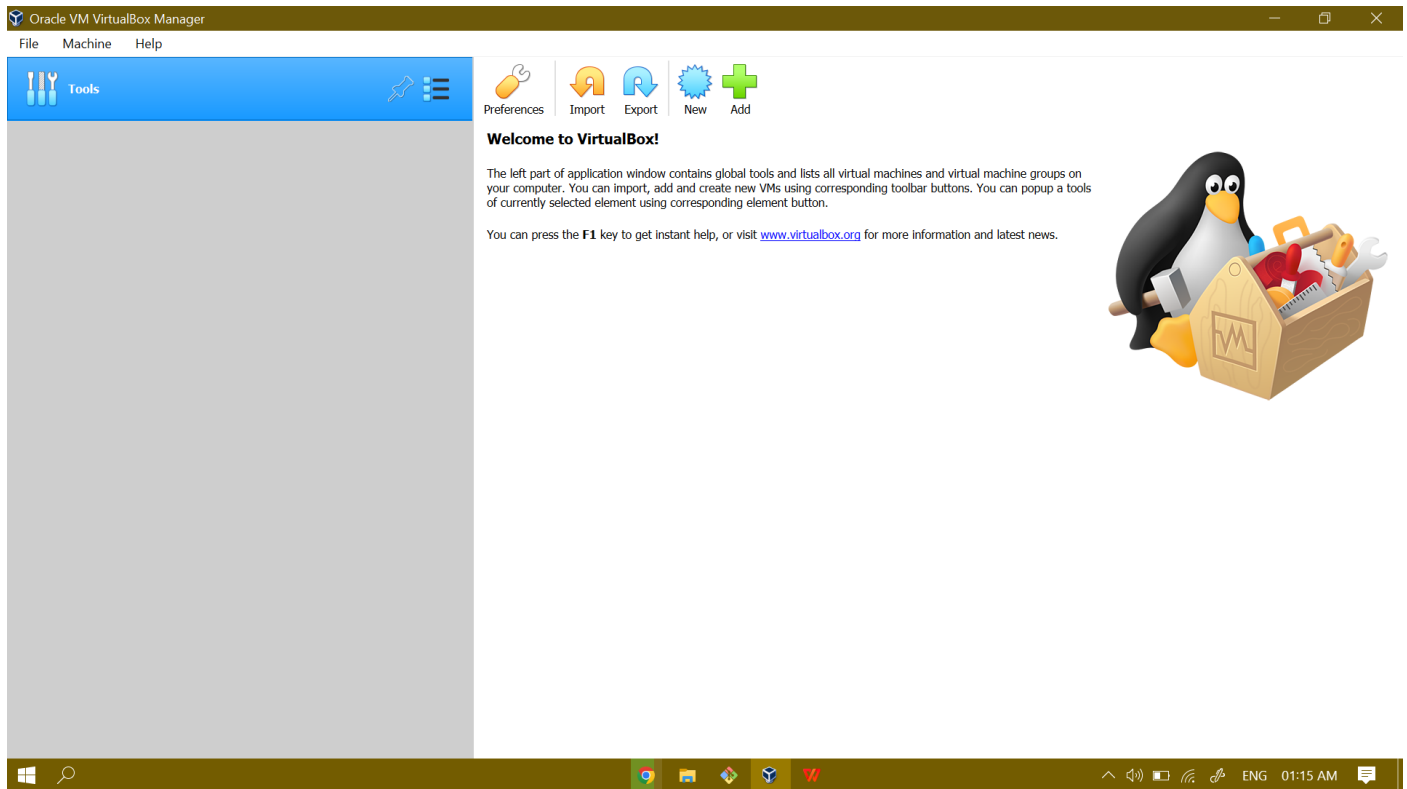


## EXERCISE : 7

### VM File Migration

#### Screenshots:



Oracle VM VirtualBox

FileMachineHelp

Tools

← Import Virtual Appliance

Appliance settings

These are the virtual machines contained in the appliance and the suggested settings of the imported VirtualBox machines. You can change many of the properties shown by double-clicking on the items and disable others using the check boxes below.

Vendor-URL	https://centos.org
Version	7.8.2003
Description	NA...
Guest OS Type	Red Hat (64-bit)
CPU	1
RAM	2048 MB
DVD	<input checked="" type="checkbox"/>
USB Controller	<input checked="" type="checkbox"/>
Sound Card	<input checked="" type="checkbox"/>
Network Adapter	<input checked="" type="checkbox"/>
Storage Controller (IDE)	PIIX4
Storage Controller (IDE)	PIIX4
Storage Controller (SATA)	AHCI
Virtual Disk Image	CentOS_7.8.2003_VirtualBox_Graphical_LinuxVMImages.com-disk001.vmdk
Base Folder	C:\Users\Leena\VirtualBox VMs
Primary Group	/LinuxVMImages

Machine Base Folder: C:\Users\Leena\VirtualBox VMs

Software License Agreement

The virtual system "CentOS\_7.8.2003\_VirtualBox\_Graphical\_LinuxVMImages.com" requires that you agree to the terms and conditions of the software license agreement shown below.

Click **Agree** to continue or click **Disagree** to cancel the import.

VirtualBox and VMware logos are registered trademark of respective owners. We hold no rights for operating systems. VM images shared here are for learning purposes.

AgreeDisagreePrint...Save...

A cartoon penguin holding a wooden toolbox filled with various tools like a wrench, screwdriver, and hammer.

ENG01:36 AM

Oracle VM VirtualBox

FileMachineHelp

Tools

← Import Virtual Appliance

Appliance settings

These are the virtual machines contained in the appliance and the suggested settings of the imported VirtualBox machines. You can change many of the properties shown by double-clicking on the items and disable others using the check boxes below.

Vendor-URL	https://centos.org
Version	7.8.2003
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Network Adapter	<input checked="" type="checkbox"/>
Storage Controller (IDE)	PIIX4
Storage Controller (IDE)	PIIX4
Storage Controller (SATA)	AHCI
Virtual Disk Image	CentOS_7.8.2003_VirtualBox_Graphical_LinuxVMImages.com-disk001.vmdk
Base Folder	C:\Users\Leena\VirtualBox VMs
Primary Group	/LinuxVMImages

Machine Base Folder: C:\Users\Leena\VirtualBox VMs

Importing Appliance ...: Importing appliance 'C:\CentOS\_7.8.2003.ova'

A large orange circular arrow icon pointing clockwise, indicating a process or cycle.

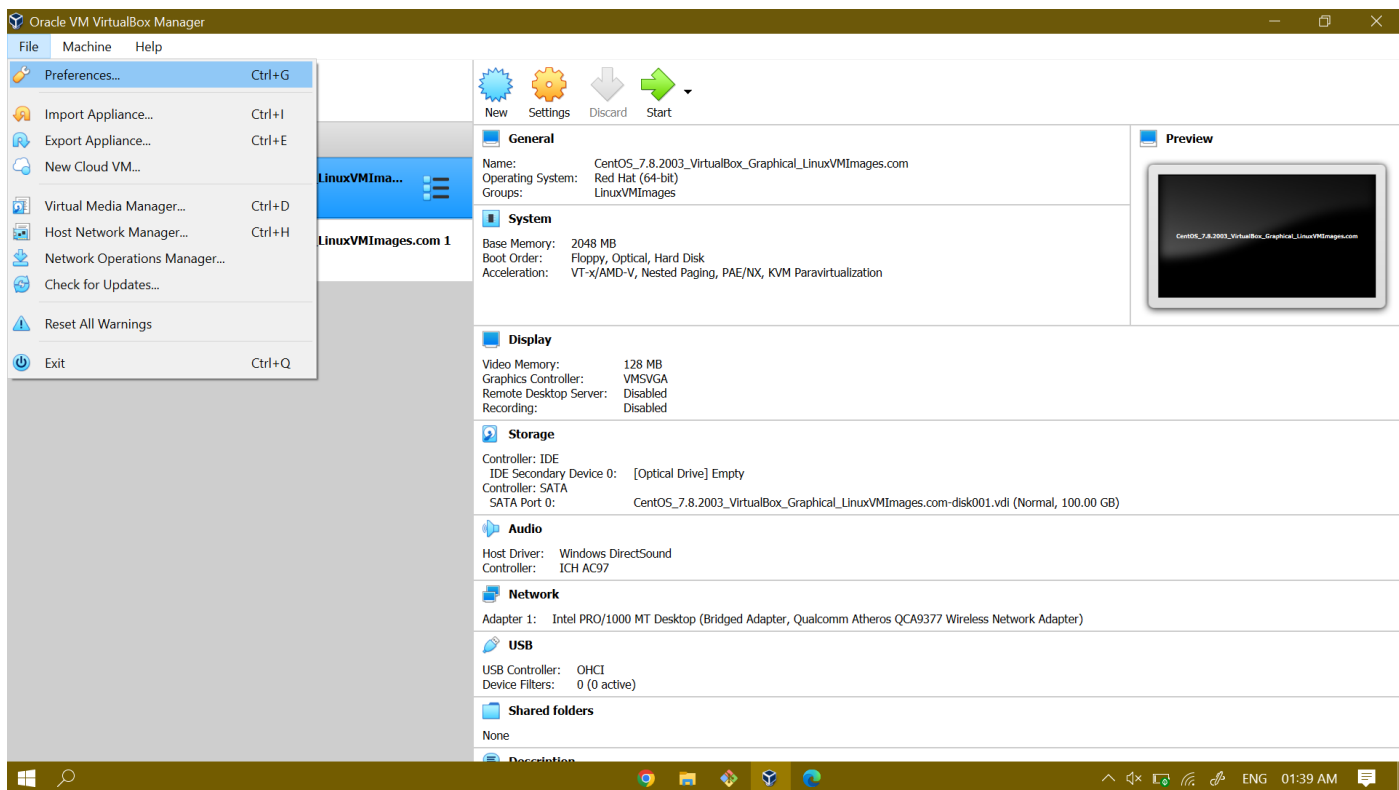
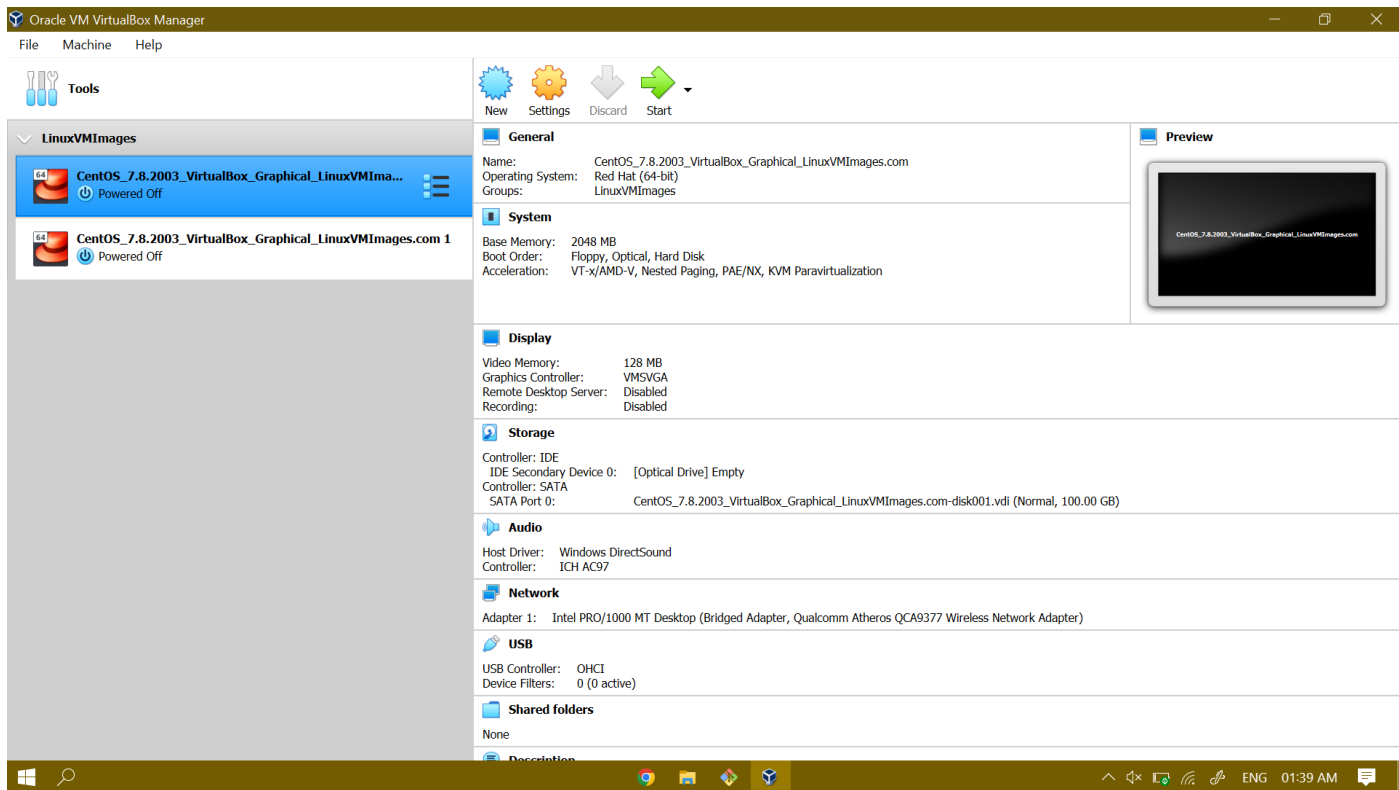
Importing virtual disk image 'CentOS\_7.8.2003\_VirtualBox\_Graphical\_LinuxVMImages.com-disk001.vmdk' ... (2/3)

78%

13 seconds remaining

A cartoon penguin holding a wooden toolbox filled with various tools like a wrench, screwdriver, and hammer.

ENG01:36 AM





Tools

## LinuxVMImages



CentOS\_7.8.2003\_VirtualBox\_Graphics



Powered Off



CentOS\_7.8.2003\_VirtualBox\_Graphics



Powered Off

## VirtualBox - Preferences



## Network

## NAT Networks

Active Name

Lists all available  
NAT networks.

OK

Cancel

Controller: SATA

SATA Port 0: CentOS\_7.8.2003\_VirtualBox\_Graphical\_LinuxVMImages.com-disk001.vdi (Normal, 100.00 GB)



Host Driver: Windows DirectSound

Controller: ICH AC97



Adapter 1: Intel PRO/1000 MT Desktop (Bridged Adapter, Qualcomm Atheros QCA9377 Wireless Network Adapter)



USB Controller: OHCI

Device Filters: 0 (0 active)



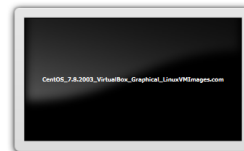
Shared folders

None



Description

## Preview



ENG 01:40 AM



Tools

## LinuxVMImages



CentOS\_7.8.2003\_VirtualBox\_Graphics



Powered Off



CentOS\_7.8.2003\_VirtualBox\_Graphics



Powered Off

## VirtualBox - Preferences



## Network

## NAT Networks

Active Name

☒ NatNetwork

OK

Cancel

Controller: SATA

SATA Port 0: CentOS\_7.8.2003\_VirtualBox\_Graphical\_LinuxVMImages.com-disk001.vdi (Normal, 100.00 GB)



Host Driver: Windows DirectSound

Controller: ICH AC97



Adapter 1: Intel PRO/1000 MT Desktop (Bridged Adapter, Qualcomm Atheros QCA9377 Wireless Network Adapter)



USB Controller: OHCI

Device Filters: 0 (0 active)



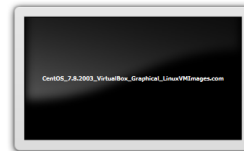
Shared folders

None



Description

## Preview



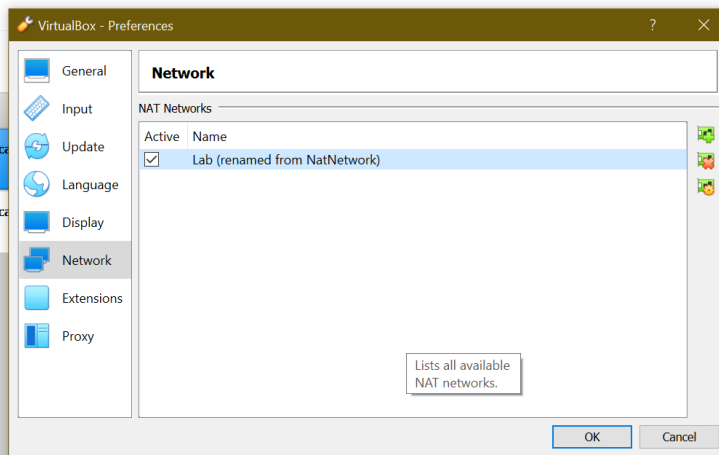
ENG 01:40 AM



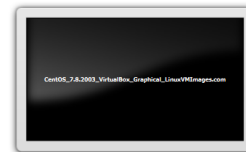
Tools

## LinuxVMImages

- CentOS\_7.8.2003\_VirtualBox\_Graphical...  
Powered Off
- CentOS\_7.8.2003\_VirtualBox\_Graphical...  
Powered Off



## Preview



SATA Port 0: CentOS\_7.8.2003\_VirtualBox\_Graphical\_LinuxVMImages.com-disk001.vdi (Normal, 100.00 GB)

**Audio**  
Host Driver: Windows DirectSound  
Controller: ICH AC97

**Network**  
Adapter 1: Intel PRO/1000 MT Desktop (Bridged Adapter, Qualcomm Atheros QCA9377 Wireless Network Adapter)

**USB**  
USB Controller: OHCI  
Device Filters: 0 (0 active)

**Shared folders**  
None

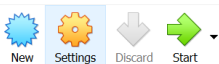
Description



Tools

## LinuxVMImages

- CentOS\_7.8.2003\_VirtualBox\_Graphical\_LinuxVMImages.com  
Powered Off
- CentOS\_7.8.2003\_VirtualBox\_Graphical\_LinuxVMImages.com 1  
Powered Off



## General Settings (Ctrl+S)

Name: CentOS\_7.8.2003\_VirtualBox\_Graphical\_LinuxVMImages.com  
Operating System: Red Hat (64-bit)  
Groups: LinuxVMImages

**System**  
Base Memory: 2048 MB  
Boot Order: Floppy, Optical, Hard Disk  
Acceleration: VT-x/AMD-V, Nested Paging, PAE/NX, KVM Paravirtualization

**Display**  
Video Memory: 128 MB  
Graphics Controller: VMSVGA  
Remote Desktop Server: Disabled  
Recording: Disabled

**Storage**  
Controller: IDE  
IDE Secondary Device 0: [Optical Drive] Empty  
Controller: SATA  
SATA Port 0: CentOS\_7.8.2003\_VirtualBox\_Graphical\_LinuxVMImages.com-disk001.vdi (Normal, 100.00 GB)

**Audio**  
Host Driver: Windows DirectSound  
Controller: ICH AC97

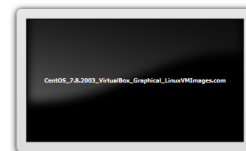
**Network**  
Adapter 1: Intel PRO/1000 MT Desktop (Bridged Adapter, Qualcomm Atheros QCA9377 Wireless Network Adapter)

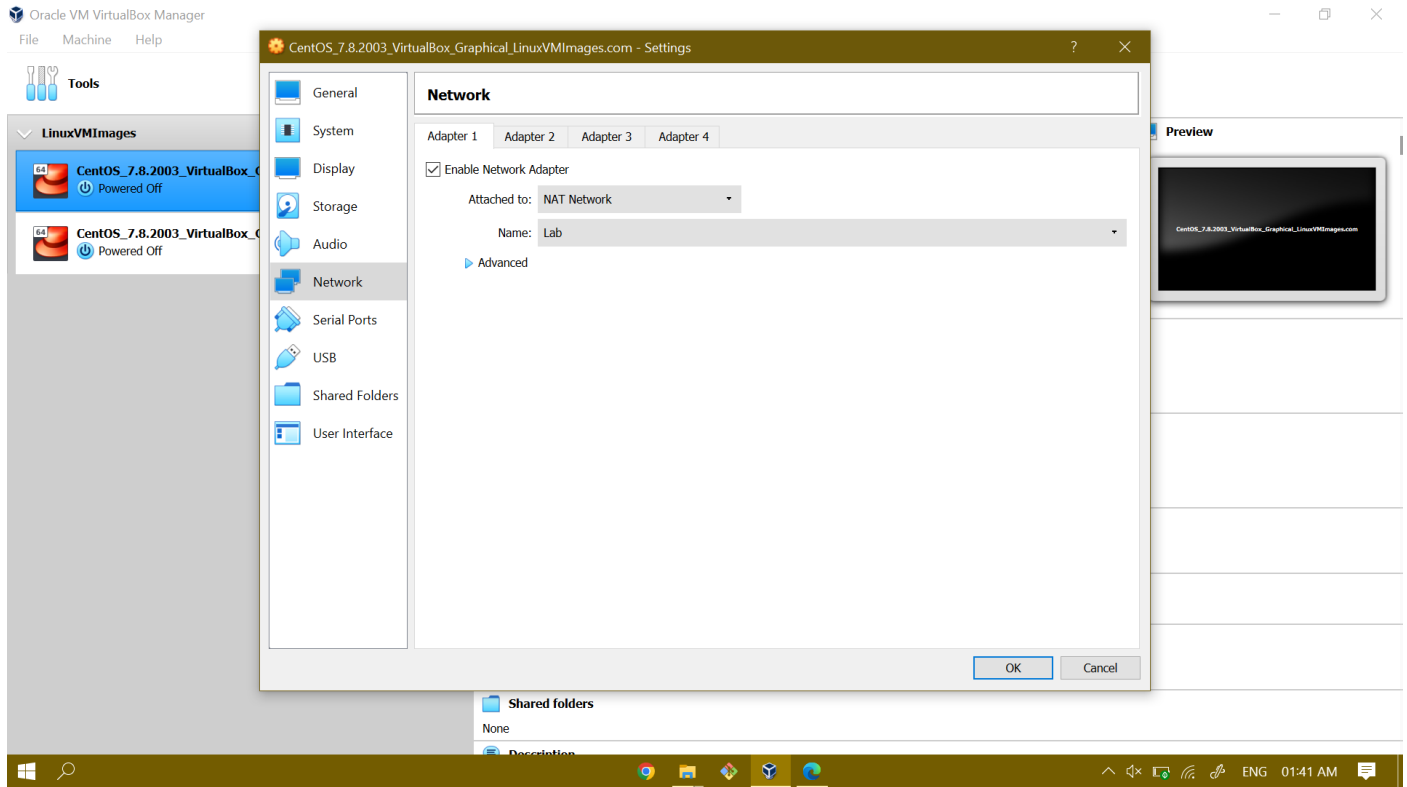
**USB**  
USB Controller: OHCI  
Device Filters: 0 (0 active)

**Shared folders**  
None

Description

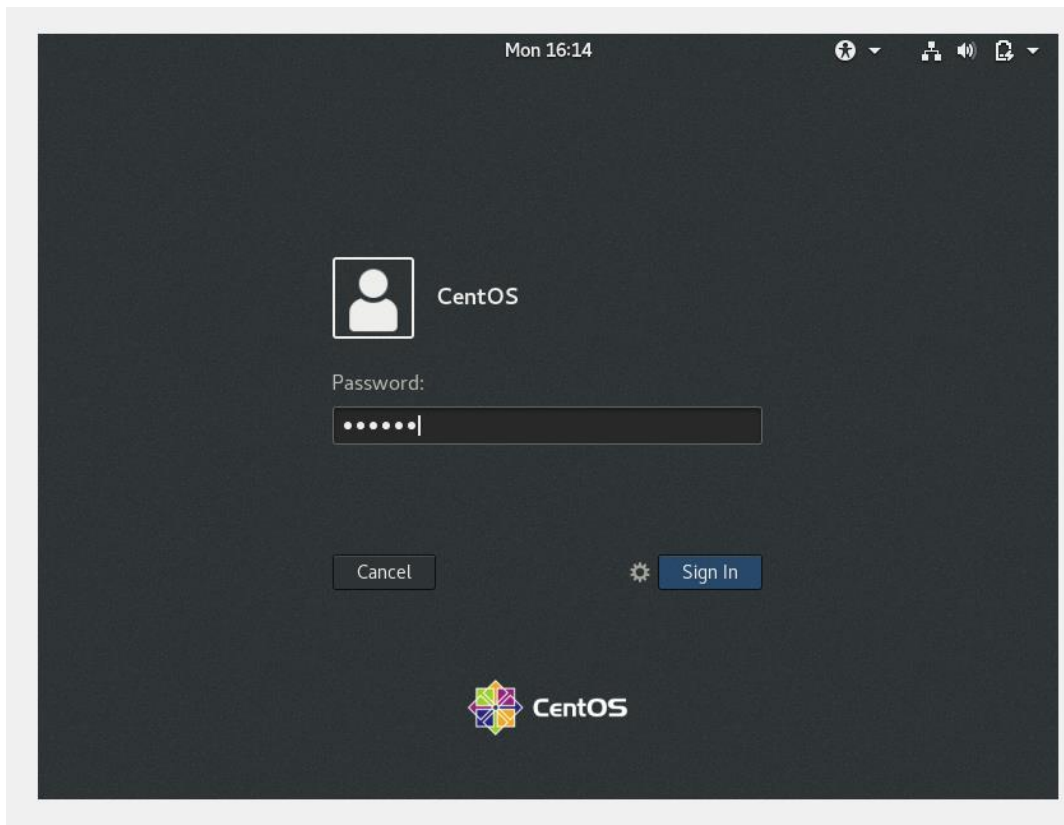
## Preview





```
CentOS Linux (3.10.0-1127.18.2.el7.x86_64) 7 (Core)
CentOS Linux (3.10.0-1062.9.1.el7.x86_64) 7 (Core)
CentOS Linux (3.10.0-1062.el7.x86_64) 7 (Core)
CentOS Linux (0-rescue-c44094338e9b4e01b2d704938a012ebf) 7 (Core)
```

Use the ↑ and ↓ keys to change the selection.  
Press 'e' to edit the selected item, or 'c' for a command prompt.



```
Applications  Places  Terminal  Mon 16:16 ● [system icons]
centos@centos7:~
File Edit View Search Terminal Help
[centos@centos7 ~]$ ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
        inet 10.0.2.4 netmask 255.255.255.0 broadcast 10.0.2.255
        inet6 fe80::e9b9:9645:289b:4c83 prefixlen 64 scopeid 0x20<link>
        ether 08:00:27:ab:c4:34 txqueuelen 1000 (Ethernet)
        RX packets 20355 bytes 29476459 (28.1 MiB)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 6024 bytes 369356 (360.6 KiB)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
        inet 127.0.0.1 netmask 255.0.0.0
        inet6 ::1 prefixlen 128 scopeid 0x10<host>
        loop txqueuelen 1000 (Local Loopback)
        RX packets 64 bytes 5760 (5.6 KiB)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 64 bytes 5760 (5.6 KiB)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

Applications Places Terminal Mon 16:16 ● [network icon] [volume icon] [refresh icon]

centos@centos7:~

File Edit View Search Terminal Help

```
[centos@centos7 ~]$ ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.0.2.5 netmask 255.255.255.0 broadcast 10.0.2.255
    inet6 fe80::e9b9:9645:289b:4c83 prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:0e:ed:43 txqueuelen 1000 (Ethernet)
    RX packets 163 bytes 20303 (19.8 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 219 bytes 20282 (19.8 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 64 bytes 5760 (5.6 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

[window icon] centos@centos7:~ [input field] [button] [button] [button]

Applications Places Terminal Mon 16:18 ● [network icon] [volume icon] [refresh icon]

centos@centos7:~

File Edit View Search Terminal Help

```
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

virbr0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    inet 192.168.122.1 netmask 255.255.255.0 broadcast 192.168.122.255
    ether 52:54:00:34:84:5d txqueuelen 1000 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

[centos@centos7 ~]$ ping 10.0.2.4
PING 10.0.2.4 (10.0.2.4) 56(84) bytes of data.
64 bytes from 10.0.2.4: icmp_seq=1 ttl=64 time=1.05 ms
64 bytes from 10.0.2.4: icmp_seq=2 ttl=64 time=0.603 ms
64 bytes from 10.0.2.4: icmp_seq=3 ttl=64 time=0.747 ms
64 bytes from 10.0.2.4: icmp_seq=4 ttl=64 time=0.848 ms
64 bytes from 10.0.2.4: icmp_seq=5 ttl=64 time=1.22 ms
```

[window icon] centos@centos7:~ [input field] [button] [button] [button]



