

# Creating virtual machine in VMware for RHEL/Centos installation

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Library ×

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Home ×

## WORKSTATION 15.5 PRO™

Create a New  
Virtual MachineOpen a Virtual  
MachineConnect to a  
Remote Server

## New Virtual Machine Wizard

VMWARE  
WORKSTATION  
PRO™  
15.5Welcome to the New Virtual  
Machine Wizard

What type of configuration do you want?

☐ Typical (recommended)Create a Workstation 15.x virtual machine  
in a few easy steps.☒ Custom (advanced)Create a virtual machine with advanced  
options, such as a SCSI controller type,  
virtual disk type and compatibility with  
older VMware products.

Help

&lt; Back

Next &gt;

Cancel

Connect to a  
Remote Server

- My Computer
- Shared VMs

## New Virtual Machine Wizard

**Choose the Virtual Machine Hardware Compatibility**

Which hardware features are needed for this virtual machine?

Virtual machine hardware compatibility

Hardware compatibility: Workstation 15.x

Compatible with: ☒ ESX Server

Compatible products:

Fusion 11.x  
Workstation 15.x

Limitations:


64 GB memory  
16 processors  
10 network adapters  
8 TB disk size  
3 GB shared graphics memory

Help

&lt; Back

Next &gt;

Cancel

  
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Library



Type here to search

- My Computer
- Shared VMs

Home

## New Virtual Machine Wizard



## Guest Operating System Installation

A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?

Install from:

☐ Installer disc:

DVD RW Drive (D:)

☐ Installer disc image file (iso):

E:\linux\ISO\RHEL8\_2\_x86\_64.iso.iso

Browse...

☒ I will install the operating system later.

The virtual machine will be created with a blank hard disk.

Help

&lt; Back

Next &gt;

Cancel



Connect to a  
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- My Computer
- Shared VMs

## New Virtual Machine Wizard

## Select a Guest Operating System

Which operating system will be installed on this virtual machine?

## Guest operating system

- ☐ Microsoft Windows
- ☒ Linux
- ☐ VMware ESX
- ☐ Other

## Version

Red Hat Enterprise Linux 8 64-bit

Help

&lt; Back

Next &gt;

Cancel

Connect to a  
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File Edit View VM Tabs Help



Library



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My Computer

Shared VMs

Home



## New Virtual Machine Wizard



## Name the Virtual Machine

What name would you like to use for this virtual machine?

Virtual machine name:

servera

Location:

C:\Users\jers9\Documents\Virtual Machines\servera

Browse...

The default location can be changed at Edit &gt; Preferences.

&lt; Back

Next &gt;

Cancel

Connect to a  
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File Edit View VM Tabs Help



Library



Type here to search

My Computer

Shared VMs



Home



## New Virtual Machine Wizard



## Processor Configuration

Specify the number of processors for this virtual machine.

## Processors

Number of processors:

1

Number of cores per processor:

1

Total processor cores:

1

Help

&lt; Back

Next &gt;

Cancel

Connect to a  
Remote Server



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- 🖥 My Computer
- 🖥 Shared VMs

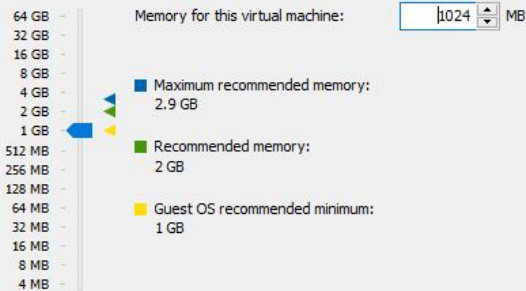
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## New Virtual Machine Wizard ×

**Memory for the Virtual Machine**

How much memory would you like to use for this virtual machine?

Specify the amount of memory allocated to this virtual machine. The memory size must be a multiple of 4 MB.



Help

&lt; Back

Next &gt;

Cancel

Connect to a  
Remote Server

- My Computer
- Shared VMs

## New Virtual Machine Wizard

## Network Type

What type of network do you want to add?

## Network connection

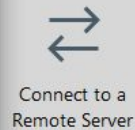
- ☐ Use bridged networking  
Give the guest operating system direct access to an external Ethernet network. The guest must have its own IP address on the external network.
- ☒ Use network address translation (NAT)  
Give the guest operating system access to the host computer's dial-up or external Ethernet network connection using the host's IP address.
- ☐ Use host-only networking  
Connect the guest operating system to a private virtual network on the host computer.
- ☐ Do not use a network connection

Help

&lt; Back

Next &gt;

Cancel



- My Computer
- Shared VMs

## New Virtual Machine Wizard

## Select I/O Controller Types

Which SCSI controller type would you like to use?

## I/O controller types

## SCSI Controller:


- ☐ BusLogic (Not available for 64-bit guests)
- ☒ LSI Logic (Recommended)
- ☐ LSI Logic SAS
- ☐ Paravirtualized SCSI

Help

&lt; Back

Next &gt;

Cancel

  
Connect to a  
Remote Server

File Edit View VM Tabs Help



Library



Type here to search

My Computer

Shared VMs



Home



## New Virtual Machine Wizard



## Select a Disk Type

What kind of disk do you want to create?

Virtual disk type

☐ IDE☐ SCSI☐ SATA☒ NVMe (Recommended)

Help

&lt; Back

Next &gt;

Cancel

Connect to a  
Remote Server

- My Computer
- Shared VMs

## New Virtual Machine Wizard

## Select a Disk

Which disk do you want to use?

## Disk

☒ Create a new virtual disk

A virtual disk is composed of one or more files on the host file system, which will appear as a single hard disk to the guest operating system. Virtual disks can easily be copied or moved on the same host or between hosts.

☐ Use an existing virtual disk

Choose this option to reuse a previously configured disk.

☐ Use a physical disk (for advanced users)

Choose this option to give the virtual machine direct access to a local hard disk. Requires administrator privileges.

Help

&lt; Back

Next &gt;

Cancel



Connect to a  
Remote Server

File Edit View VM Tabs Help



Library



Type here to search

My Computer

Shared VMs



Home



## New Virtual Machine Wizard



## Specify Disk Capacity

How large do you want this disk to be?

Maximum disk size (GB): 20.0

Recommended size for Red Hat Enterprise Linux 8 64-bit: 20 GB

☐ Allocate all disk space now.

Allocating the full capacity can enhance performance but requires all of the physical disk space to be available right now. If you do not allocate all the space now, the virtual disk starts small and grows as you add data to it.

☒ Store virtual disk as a single file☐ Split virtual disk into multiple files

Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.

Help

&lt; Back

Next &gt;

Cancel

Connect to a  
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- My Computer
- Shared VMs

## New Virtual Machine Wizard

## Specify Disk File

Where would you like to store the disk file?

## Disk file

One 30 GB disk file will be created using this file name.

[Browse...](#)[Help](#)[< Back](#)[Next >](#)[Cancel](#)

Connect to a  
Remote Server

- My Computer
- Shared VMs

## New Virtual Machine Wizard

**Ready to Create Virtual Machine**

Click Finish to create the virtual machine. Then you can install Red Hat Enterprise Linux 8 64-bit.

The virtual machine will be created with the following settings:

Name:	servera
Location:	C:\Users\jers9\Documents\Virtual Machines\servera
Version:	Workstation 15.x
Operating System:	Red Hat Enterprise Linux 8 64-bit
Hard Disk:	30 GB
Memory:	1024 MB
Network Adapter:	NAT
Other Devices:	CD/DVD, USB Controller, Printer, Sound Card

Customize Hardware...

< Back

Finish

Cancel



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Library



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- My Computer
  - servera
- Shared VMs

Home servera

## servera

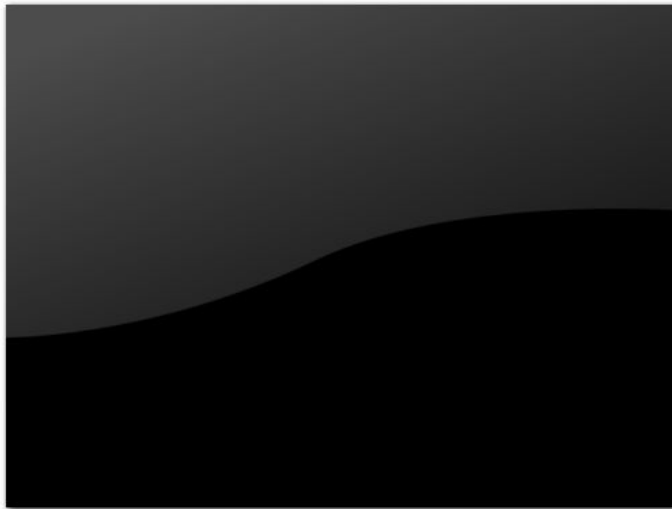
[Power on this virtual machine](#)[Edit virtual machine settings](#)

## ▼ Devices

Memory	1 GB
Processors	1
Hard Disk (NVMe)	30 GB
CD/DVD (SATA)	Auto detect
Network Adapter	NAT
USB Controller	Present
Sound Card	Auto detect
Printer	Present
Display	Auto detect

## ▼ Description

Type here to enter a description of this virtual machine.



## ▼ Virtual Machine Details

**State:** Powered off**Configuration file:** C:\Users\jers9\Documents\Virtual Machines\servera\servera.vmx**Hardware compatibility:** Workstation 15.x virtual machine**Primary IP address:** Network information is not available

- My Computer
  - servera
- Shared VMs

## servera

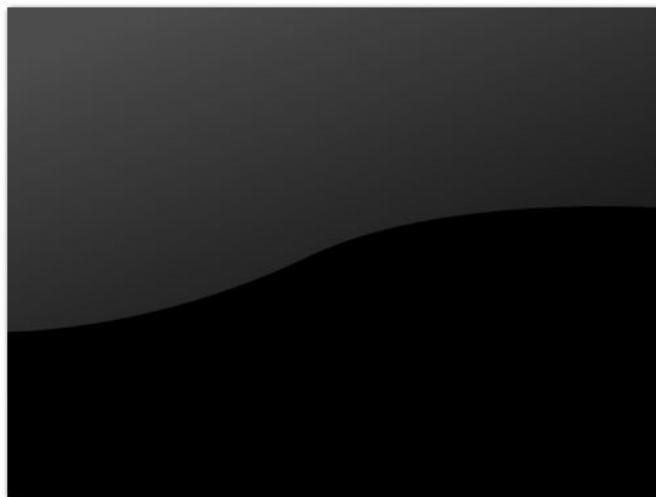
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## Devices

Memory	1 GB
Processors	1
Hard Disk (NVMe)	30 GB
CD/DVD (SATA)	Auto detect
Network Adapter	NAT
USB Controller	Auto detect
Sound Card	Auto detect
Printer	Present
Display	Auto detect

## Description

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## Virtual Machine Details

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- My Computer
  - servera
  - Shared VMs

## Devices

- Memory
- Processors
- Hard Disk (NVMe)
- CD/DVD (SATA)
- Network Adapter
- USB Controller
- Sound Card
- Printer
- Display

## Description

Type here to enter a description for this virtual machine.

## Virtual Machine Settings

## Hardware Options

Device	Summary
Memory	1 GB
Processors	1
Hard Disk (NVMe)	30 GB
CD/DVD (SATA)	Auto detect
Network Adapter	NAT
USB Controller	Present
Sound Card	Auto detect
Printer	Present
Display	Auto detect

Add...

Remove

## Device status

☐ Connected☒ Connect at power on

## Connection

☐ Use physical drive:

Auto detect

☒ Use ISO image file:

E:\linux\ISO\RHEL8.2\_x86\_64.iso.iso

Browse...

Advanced...

OK

Cancel

Help

- My Computer
  - servera
- Shared VMs

## servera

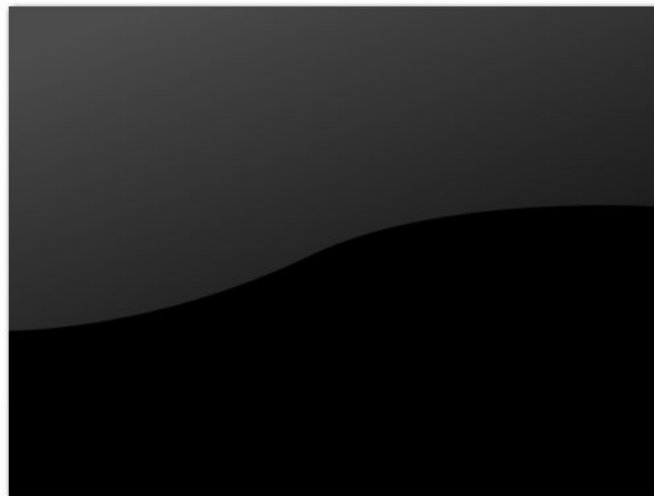
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## ▼ Devices

Memory	1 GB
Processors	1
Hard Disk (NVMe)	30 GB
CD/DVD (SATA)	Using file E:\Linu...
Network Adapter	NAT
USB Controller	Present
Sound Card	Auto detect
Printer	Present
Display	Auto detect

## ▼ Description

Type here to enter a description of this virtual machine.



## ▼ Virtual Machine Details

**State:** Powered off**Configuration file:** C:\Users\jers9\Documents\Virtual Machines\servera\servera.vmx**Hardware compatibility:** Workstation 15.x virtual machine**Primary IP address:** Network information is not available