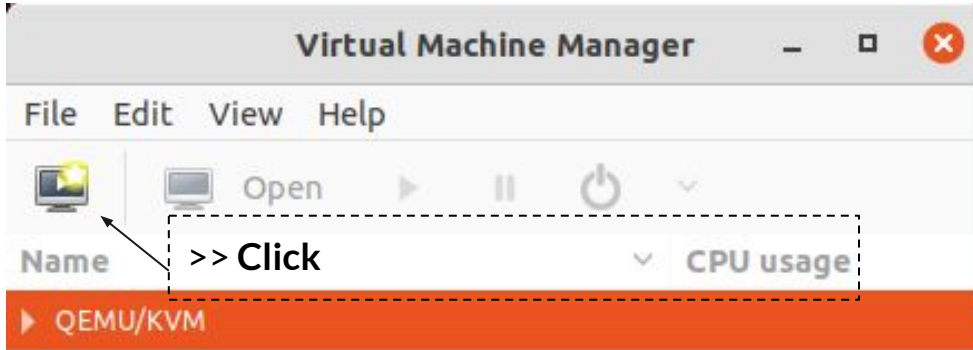
A horizontal bar with a teal segment on the left and an orange segment on the right.

Install Red Hat on KVM

Virtualization

Install VMware Workstation | Red Hat ISO

1. <https://www.vmware.com/products/workstation-pro/workstation-pro-evaluation.html>
2. https://access.cdn.redhat.com/content/origin/files/sha256/48/48f955712454c32718dcde858dea5aca574376a1d7a4b0ed6908ac0b85597811/rhel-8.4-x86_64-dvd.iso?auth=1625047796_01b1b71c464806a96fb594eeb152a767



Click the icon to “create a new virtual machine”

Install RedHat

- Open KVM



Create a new virtual machine

Step 1 of 5

Connection: QEMU/KVM

Choose how you would like to install the operating system

- ☒ Local install media (ISO image or CDROM)
- ☐ Network Install (HTTP, HTTPS, or FTP)
- ☐ Import existing disk image
- ☐ Manual install

Cancel

Back

Forward



>> Select the **“Local install Media”**

>> Click on **”Forward”**



Create a new virtual machine

Step 2 of 5

Choose ISO or CDROM install media:

No media selected



Browse...

Choose the operating system you are installing:



Waiting for install media / source



☒ Automatically detect from the installation media / source

Cancel

Back

Forward



>> Click the “**Browse**” and Choose the **ISO** image

>> Click on “**Forward**”



Create a new virtual machine

Step 2 of 5

Choose ISO or CDROM install media:

/home/cool/Downloads/rhel-8.4-x86_64-dvd.iso



Browse...

Choose the operating system you are installing:



Red Hat Enterprise Linux 8.4



☒ Automatically detect from the installation media / source

Cancel

Back

Forward

>> Choose the “**Operating system**”

>> Click on “**Forward**”





Create a new virtual machine

Step 3 of 5

Choose Memory and CPU settings:

Memory: - +

Up to 11770 MiB available on the host

CPU: - +

Up to 4 available

Cancel

Back

Forward

>> Choose the memory “**1500**”

>> CPUs “**1**”

>> Click on “**Forward**”





Create a new virtual machine

Step 4 of 5

☒ Enable storage for this virtual machine

☒ Create a disk image for the virtual machine

20.0   GiB

799.4 GiB available in the default location

☐ Select or create custom storage

Manage...

Cancel

Back

Forward



>> Set the disk image size : **20 GiB**

>> Click on **Forward**

Note: 20 GiB is the default size, you can adjust according to your disk space



Create a new virtual machine

Step 5 of 5

Ready to begin the installation

Name:

OS: Red Hat Enterprise Linux 8.4

Install: Local CDROM/ISO

Memory: 1536 MiB

CPUs: 1

Storage: 20.0 GiB /var/lib/libvirt/images/red_os.qcow2

☐ Customize configuration before install

► Network selection

Cancel

Back

Finish

>> Name : **anyname**

>> Click on “**Finish**”





Create a new virtual machine

Step 5 of 5

Ready to begin the installation

Name:

Creating Virtual Machine



The virtual machine is now being created. Allocation of disk storage and retrieval of the installation images may take a few minutes to complete.

Allocating 'red_os.qcow2'

Cancel

Back

Finish

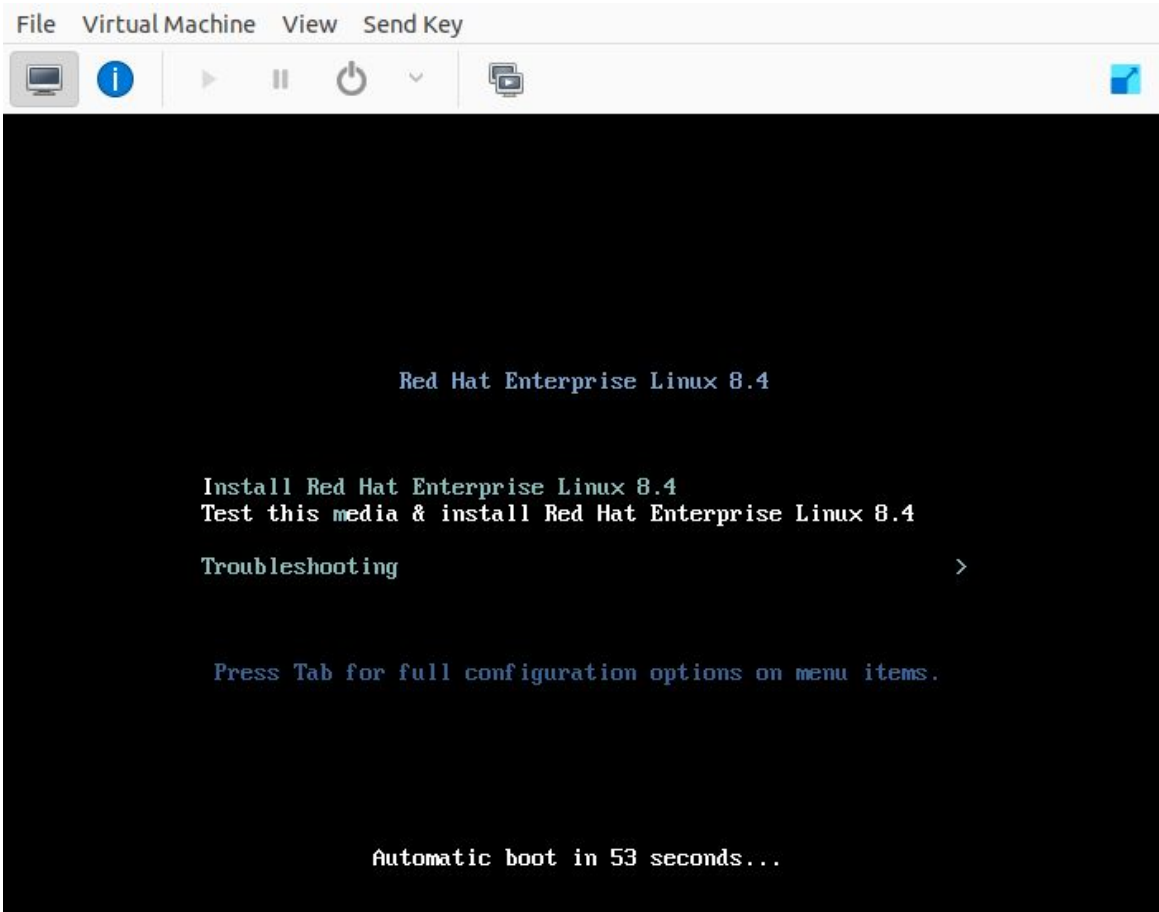


>> Select the **“Local install Media”**

>> Click on **“Forward”**

>> click inside the vm

>> enter -> "Install Red Hat Enterprise Linux 8.4"





RED HAT ENTERPRISE LINUX 8.4 INSTALLATION

us

Help

WELCOME TO RED HAT ENTERPRISE LINUX 8.4.

What language would you like to use during the installation process?

English	English	English (United States)
Afrikaans	Afrikaans	English (United Kingdom)
አማርኛ	Amharic	English (India)
العربية	Arabic	English (Australia)
অসমীয়া	Assamese	English (Canada)
Asturiano	Asturian	English (Denmark)
Беларуская	Belarusian	English (Ireland)
Български	Bulgarian	English (New Zealand)
বাংলা	Bangla	English (Nigeria)
བོད་སྐད་	Tibetan	English (Hong Kong SAR China)
Bosanski	Bosnian	English (Philippines)
Català	Catalan	English (Singapore)
Čeština	Czech	English (South Africa)
Cymraeg	Welsh	English (Zambia)
Dansk	Danish	English (Zimbabwe)
		English (Botswana)

Quit

Continue



RED HAT ENTERPRISE LINUX 8.4 INSTALLATION

us

Help

WELCOME TO RED HAT ENTERPRISE LINUX 8.4.

What language would you like to use during the installation process?

English	English	English (United States)
Afrikaans	Afrikaans	English (United Kingdom)
አማርኛ	Amharic	English (India)
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Asturiano	Asturian	English (Denmark)
Беларуская	Belarusian	English (Ireland)
Български	Bulgarian	English (New Zealand)
বাংলা	Bangla	English (Nigeria)
བོད་སྐད་	Tibetan	English (Hong Kong SAR China)
Bosanski	Bosnian	English (Philippines)
Català	Catalan	English (Singapore)
Čeština	Czech	English (South Africa)
Cymraeg	Welsh	English (Zambia)
Dansk	Danish	English (Zimbabwe)
		English (Botswana)

Quit

Continue



INSTALLATION SUMMARY

RED HAT ENTERPRISE LINUX 8.4 INSTALLATION

us

Help

LOCALIZATION



Keyboard
English (US)



Language Support
English (United States)



Time & Date
Americas/New York timezone

USER SETTINGS



Root Password
Root account is disabled.



User Creation
No user will be created

SOFTWARE



Connect to Red Hat
Not registered.



Installation Source
Local media



Software Selection
Server with GUI

SYSTEM



Installation Destination
Automatic partitioning selected



KDUMP
Kdump is enabled



Network & Host Name
Not connected



Security Policy
No profile selected

Quit

Begin Installation

We won't touch your disks until you click 'Begin Installation'.



Please complete items marked with this icon before continuing to the next step.



TIME & DATE

Done

RED HAT ENTERPRISE LINUX 8.4 INSTALLATION

us

Help

Region: Asia

City: Kolkata

Network Time

OFF

⌚

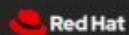


24-hour
AM/PM

06

30

2021



INSTALLATION SUMMARY

RED HAT ENTERPRISE LINUX 8.4 INSTALLATION

us

Help

LOCALIZATION



Keyboard
English (US)



Language Support
English (United States)



Time & Date
Asia/Kolkata timezone

USER SETTINGS



Root Password
Root account is disabled.



User Creation
No user will be created

SOFTWARE



Connect to Red Hat
Not registered.



Installation Source
Local media



Software Selection
Server with GUI

SYSTEM



Installation Destination
Automatic partitioning selected



KDUMP
Kdump is enabled



Network & Host Name
Not connected



Security Policy
No profile selected

Quit

Begin Installation

We won't touch your disks until you click 'Begin Installation'.



Please complete items marked with this icon before continuing to the next step.



INSTALLATION DESTINATION

RED HAT ENTERPRISE LINUX 8.4 INSTALLATION

Done

2

us

Help

Device Selection

Select the device(s) you'd like to install to. They will be left untouched until you click on the main menu's "Begin Installation" button.

Local Standard Disks

20 GiB



0x1af4

vda / 20 GiB free

Disks left unselected here will not be touched.

Specialized & Network Disks

Add a disk...

Disks left unselected here will not be touched.

Storage Configuration

☐ Automatic

☒ Custom

1

[Full disk summary and boot loader...](#)

1 disk selected; 20 GiB capacity; 20 GiB free [Refresh...](#)



MANUAL PARTITIONING

RED HAT ENTERPRISE LINUX 8.4 INSTALLATION

Done

US

Help

▼ New Red Hat Enterprise Linux 8.4 Installation

You haven't created any mount points for your Red Hat Enterprise Linux 8.4 installation yet. You can:

- [Click here to create them automatically.](#)
- Create new mount points by clicking the '+' button.

New mount points will use the following partitioning scheme:

LVM

When you create mount points for your Red Hat Enterprise Linux 8.4 installation, you'll be able to view their details here.



AVAILABLE SPACE

20 GiB

TOTAL SPACE

20 GiB

[1 storage device selected](#)

Reset All



MANUAL PARTITIONING

RED HAT ENTERPRISE LINUX 8.4 INSTALLATION

Done

en US

Help

New Red Hat Enterprise Linux 8.4 Installation

You haven't created any mount points for your Red Hat Enterprise Linux 8.4 installation yet. You can:

- [Click here to create them automatically.](#)
- Create new mount points by clicking the "+" button.

New mount points will use the following partitioning scheme:

LVM

ADD A NEW MOUNT POINT

More customization options are available after creating the mount point below.

Mount Point:

/

Desired Capacity:

17GiB

Cancel

Add mount point



AVAILABLE SPACE

20 GiB

TOTAL SPACE

20 GiB

[1 storage device selected](#)

Reset All

MANUAL PARTITIONING

RED HAT ENTERPRISE LINUX 8.4 INSTALLATION

Done Help

New Red Hat Enterprise Linux 8.4 Installation

SYSTEM

/ 17 GiB >

rhel-root

rhel-root

Mount Point: /

Device(s): 0x1af4 (vda)

Desired Capacity: 17 GiB

Modify...

Volume Group: rhel (0 B free)

Modify...

Encrypt

Mount Point: /boot

Desired Capacity: 1G

Cancel Add mount point

Name: root

Update Settings

Note: The settings you make on this screen will not be applied until you click on the main menu's 'Begin Installation' button.

Reset All

AVAILABLE SPACE 3 GiB

TOTAL SPACE 20 GiB

1 storage device selected



MANUAL PARTITIONING

RED HAT ENTERPRISE LINUX 8.4 INSTALLATION

Done

en_US

Help

New Red Hat Enterprise Linux 8.4 Installation

SYSTEM

/ 17 GiB
rhel-root
/boot 1024 MiB >
vda1

vda1

Mount Point:

/boot

Desired Capacity:

1024 MiB

Device(s):
0x1af4 (vda)

Modify...

ADD A NEW MOUNT POINT

More customization options are available
after creating the mount point below.

Mount Point:

swap

Desired Capacity:

Cancel

Add mount point

☐ Encrypt

Name:

vda1

Update Settings

Note: The settings you make on this screen will not
be applied until you click on the main menu's 'Begin
Installation' button.

Reset All

AVAILABLE SPACE

2 GiB

TOTAL SPACE

20 GiB

1 storage device selected



MANUAL PARTITIONING

RED HAT ENTERPRISE LINUX 8.4 INSTALLATION

Done

us

Help

▼ New Red Hat Enterprise Linux 8.4 Installation

SYSTEM

/	17 GiB
rhel-root	
/boot	1024 MiB
vda1	
swap	2 GiB >
rhel-swap	

rhel-swap

Mount Point:

Device(s):

0x1af4 (vda)

Modify...

Desired Capacity:

2 GiB

Device Type:

LVM

☐ Encrypt

Volume Group:

rhel (0 B free)

Modify...

File System:

swap

☒ Reformat

Label:

Name:

swap

Update Settings

Note: The settings you make on this screen will not be applied until you click on the main menu's 'Begin Installation' button.

Reset All

AVAILABLE SPACE

1023 KiB

TOTAL SPACE

20 GiB

[1 storage device selected](#)



MANUAL PARTITIONING

RED HAT ENTERPRISE LINUX 8.4 INSTALLATION

Done

us

Help

▼ New Red Hat Enterprise Linux 8.4 Installation

SYSTEM

/	17 GiB
rhel-root	
/boot	1024 MiB
vda1	
swap	2 GiB >
rhel-swap	

rhel-swap

Mount Point:

Device(s):

0x1af4 (vda)

Modify...

Desired Capacity:

2 GiB

Device Type:

LVM

☐ Encrypt

Volume Group:

rhel (0 B free)

Modify...

File System:

swap

☒ Reformat

Label:

Name:

swap

Update Settings

Note: The settings you make on this screen will not be applied until you click on the main menu's 'Begin Installation' button.

Reset All

AVAILABLE SPACE

1023 KiB

TOTAL SPACE

20 GiB

1 storage device selected



INSTALLATION SUMMARY

RED HAT ENTERPRISE LINUX 8.4 INSTALLATION

us

Help

LOCALIZATION



Keyboard
English (US)



Language Support
English (United States)



Time & Date
Asia/Kolkata timezone

USER SETTINGS



Root Password
Root account is disabled.



User Creation
No user will be created

SOFTWARE



Connect to Red Hat
Not registered.



Installation Source
Local media



Software Selection
Server with GUI

SYSTEM



Installation Destination
Custom partitioning selected



KDUMP
Kdump is enabled



Network & Host Name
Not connected



Security Policy
No profile selected

Quit

Begin Installation

We won't touch your disks until you click 'Begin Installation'.



ROOT PASSWORD

RED HAT ENTERPRISE LINUX 8.4 INSTALLATION

Done

us

Help

The root account is used for administering the system. Enter a password for the root user.

Root Password:

Weak

Confirm:



INSTALLATION SUMMARY

RED HAT ENTERPRISE LINUX 8.4 INSTALLATION

us

Help

LOCALIZATION



Keyboard
English (US)



Language Support
English (United States)



Time & Date
Asia/Kolkata timezone

USER SETTINGS



Root Password
Root password is set.



User Creation
No user will be created

SOFTWARE



Connect to Red Hat
Not registered.



Installation Source
Local media



Software Selection
Server with GUI

SYSTEM



Installation Destination
Custom partitioning selected



KDUMP
Kdump is enabled



Network & Host Name
Not connected



Security Policy
No profile selected

Quit

Begin Installation

We won't touch your disks until you click 'Begin Installation'.



CREATE USER

RED HAT ENTERPRISE LINUX 8.4 INSTALLATION

Done

us

Help

Full name student

User name student

☒ Make this user administrator

☒ Require a password to use this account

Password

••••••



Weak

Confirm password

••••••



Advanced...



INSTALLATION SUMMARY

RED HAT ENTERPRISE LINUX 8.4 INSTALLATION

us

Help

LOCALIZATION



Keyboard

English (US)



Language Support

English (United States)



Time & Date

Asia/Kolkata timezone

USER SETTINGS



Root Password

Root password is set



User Creation

Administrator student will
be created

SOFTWARE



Connect to Red Hat

Not registered.



Installation Source

Local media



Software Selection

Server with GUI

SYSTEM



Installation Destination

Custom partitioning selected



KDUMP

Kdump is enabled



Network & Host Name

Not connected



Security Policy

No profile selected

Quit

Begin Installation

We won't touch your disks until you click 'Begin Installation'.