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Red Hat has announced the official release of "**Red Hat Enterprise Linux 6.5**"

VirtualBox 4.3 Released – Install on RHEL/CentOS/Fedora and Ubuntu/Linux Mint

By [Ravi Saive](#) Under: [Open Source](#) On: October 17, 2013

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VirtualBox is an open source cross-platform virtualization software, it can be installed on any operating system and enable you to install and run multiple guest operating systems on same computer. For example, if you install it on your Linux system, you can run **Windows XP** operating system under it as a **Guest OS** or run **Linux OS** on your Windows system and so on. This way, you can install and run as many as guest operating systems as you like, the only limit is disk space and memory.

Install Virtualbox in Linux

Recently **Oracle** has released latest stable version of **Virtualbox 4.3**, the newest version of Virtual box comes with so many major changes and new features added to it.

Whats new in Virtualbox 4.3

1. Virtual **Multi-Touch USB** interface
2. **Video Capturing** feature for recording Virtual box sessions.

3. New Popup to display various info and warnings on the top of the **VM**.
4. Allows to create and edit general keyboard **shortcuts**.
5. Major changes in **VT-x** code and the **AMD-V** code for many bug fixes and performance improvements.
6. **Ipv6** support
7. It introduces a lightweight **instruction interpreter** for situations that are not handled by hardware virtualization.
8. Comes with **SCSI CD-ROM** emulation, while including boot support.
9. Fixed the problems with **Live snapshat** to made it work again.
10. **Guest sessions** will now be running in dedicated resources, impersonated session processes.
11. **IGuestFile** support
12. Introducing a virtual router mode with **NAT**.
13. **3D** acceleration for **Ubuntu** and **Fedora** is improved.
14. **Multi-monitor** support enhanced
15. Support for **Windows 8.1**, **Windows Server 2012 R2** and **Mac OS X 10.9**
16. Use the **XDG** standard configuration folder instead of **.VirtualBox** on systems
17. Support loading **HGCM** modules with extension pack framework
18. Fixed **udev** detection in the **init** script with Linux **3.x** kernels
19. Shared **Clipboard/X11** will now supports **BMP-format** images

You can see the complete new change log details about **VirtualBox 4.3** on their [Official Changelog Page](#).

This guide explains how to install **VirtualBox 4.3** on **RHEL 6.4/6.3/6.2/6.1/6.0/5.9/5.8/5.6**, **CentOS 6.4/6.3/6.2/6.1/6.0/5.9/5.8/5.6** and **Fedora 19,18,17,16,15,14,13,12** systems using **VirtualBox's** own repository with **YUM** tool.

This guide also explains how to install **VirtualBox 4.3** on **Ubuntu 13.10/13.04/12.10/12.04** and **Linux Mint 15/14/13** systems using **VirtualBox's** own repository with **APT-GET** command.

Installing VirtualBox 4.3 in RHEL/CentOS and Fedora

If you've any earlier version of **Virtualbox** installed, remove that before installing latest version.

```
# yum remove VirtualBox-4.2
```

Adding VirtualBox Repository

Next add the **VirtualBox** own repository to install latest **VirtualBox 4.3** on following systems.

For RHEL/CentOS 6.4-5.9

```
## RHEL 6.4/6.3/6.2/6.1/6.0/5.9/5.8/5.6 and CentOS 6.4/6.3/6.2/6.1/6.0/5.9/5.8/5.6 ##
# cd /etc/yum.repos.d/
# wget http://download.virtualbox.org/virtualbox/rpm/rhel/virtualbox.repo
```

For RHEL/CentOS 5

```
## RHEL 5 and CentOS 5 ##
# wget http://dl.fedoraproject.org/pub/epel/5/i386/epel-release-5-4.noarch.rpm
# rpm -Uvh epel-release-5-4.noarch.rpm
```

For Fedora 19,18,17,16,15,14,13,12

```
## Fedora 19,18,17,16,15,14,13,12 ##
# cd /etc/yum.repos.d/
# wget http://download.virtualbox.org/virtualbox/rpm/fedora/virtualbox.repo
```

Install Dependency Packages for VirtualBox

VirtualBox uses **vboxdrv** kernel module to control and allocate physical memory for execution of guest operating systems. Without this module, you can still use the **VirtualBox** to create and configure virtual machines, but they will not work. So, to make **VirtualBox** fully functional you will need to update your system first, then install some additional modules like **DKMS**, **kernel-headers** and **kernel-devel** and some dependency packages.

```
# yum update
# yum install binutils qt gcc make patch libgomp glibc-headers glibc-devel kernel-headers kernel-devel dkms
```

Install VirtualBox 4.3

Once you've installed all the needed dependency packages, you can install latest version of **VirtualBox** using following command.

```
# yum install VirtualBox-4.3
```

Rebuild Kernel Modules for VirtualBox 4.3

The below command will automatically create **vboxusers group** and **user** and also search and automatically rebuild required kernel modules. If the below build process fails, you will get a warning messages. Please have a look at **/var/log /vbox-install.log** to trace why the build process failed.

```
# /etc/init.d/vboxdrv setup
OR
# service vboxdrv setup
```

Troubleshooting

If you get any error message like **KERN_DIR** or if your kernel source directory not detected automatically by build process, you can set it by using following command. Make sure you change kernel version according to your system as shown in red color.

```
## RHEL / CentOS / Fedora ##
KERN_DIR=/usr/src/kernels/2.6.18-194.11.1.el5-x86_64

## Export KERN_DIR ##
export KERN_DIR
```

Installing VirtualBox 4.3 in Ubuntu and Linux Mint

First, uninstall any earlier version of **Virtualbox** if any.

```
$ sudo apt-get remove virtualbox-4.2
```

Next, install latest **4.3** version using official **Virtualbox** repository. To add the repository, use the following command as shown.

```
$ echo "deb http://download.virtualbox.org/virtualbox/debian $(lsb_release -sc) contrib" | sudo tee /etc/apt/sources.list.d/virtualbox.list
$ wget -q http://download.virtualbox.org/virtualbox/debian/oracle_vbox.asc -O- | sudo apt-key add -
$ sudo apt-get update
$ sudo apt-get install virtualbox-4.3
```
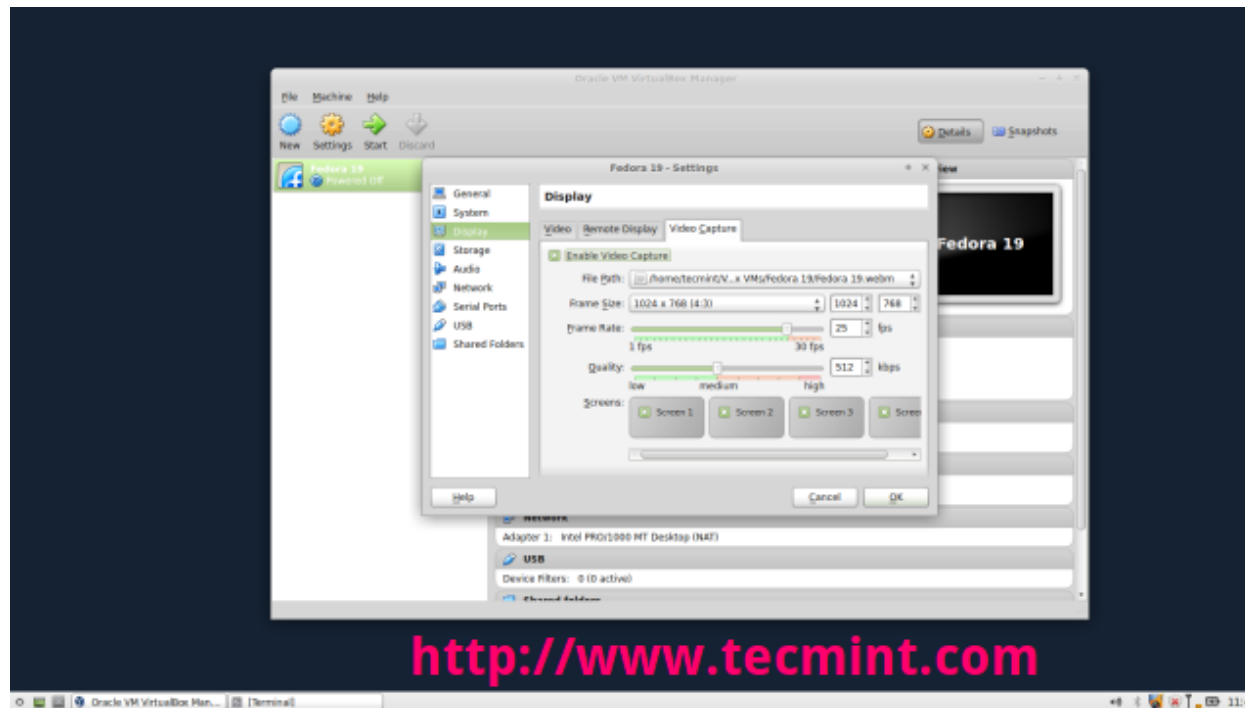
Starting VirtualBox 4.3

Simply execute following command to start it from the terminal or use launcher from menu to start.

```
# VirtualBox
```

VirtualBox Screenshots
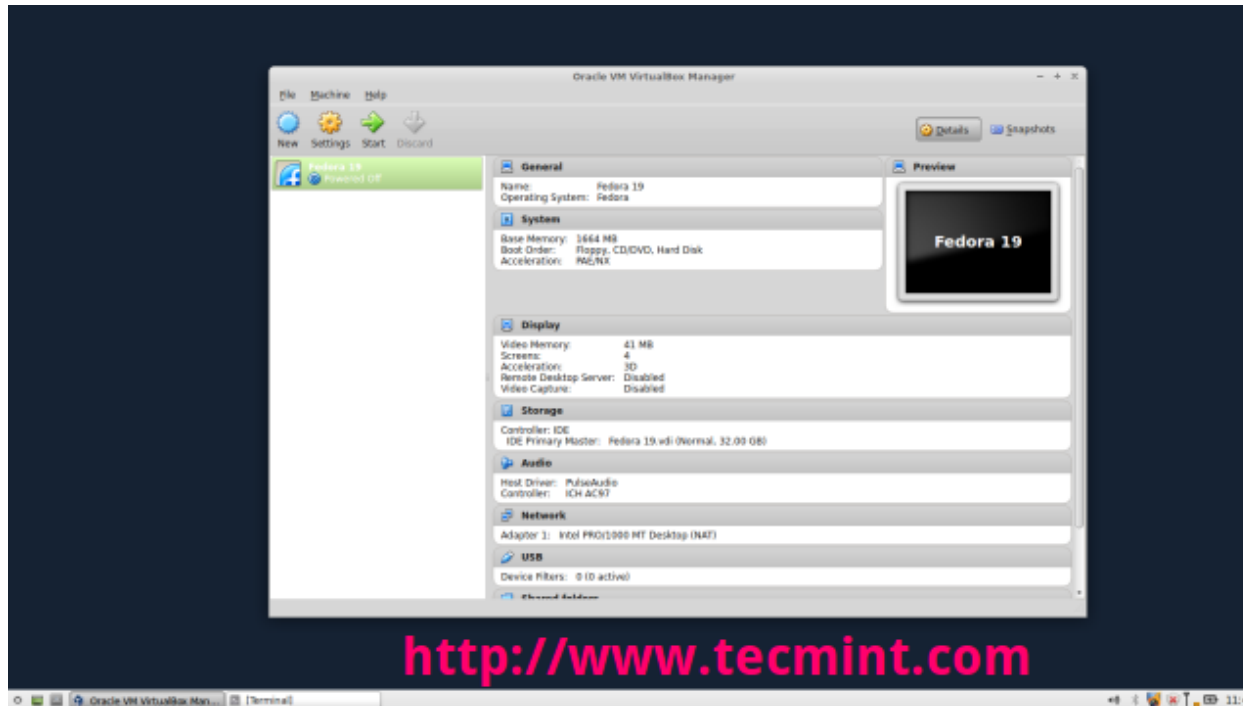
Virtualbox 4.3 Preview

VirtualBox 4.3 Released - Install on RHEL/CentOS/Fedora and Ubuntu/Linux Mint

Virtualbox Video Capture Support

Virtualbox 4.3 Running VM's

Installing VirtualBox Extension Pack

If you need some additional functionality such as **VirtualBox RDP**, **PXE**, **ROM with E1000** support and **USB 2.0 Host Controller** support, etc. You need to download and install the [VirtualBox Extension Pack](#) using following **wget** command.

```
# wget http://download.virtualbox.org/virtualbox/4.3.0/Oracle_VM_VirtualBox_Extension_Pack-4.3.0-89960.vbox-extpack
```

To install the extension pack, you must have **Virtualbox 4.3** installed, once you downloaded **vbox-extpack** open with **Virtualbox** as shown below. If it doesn't work out, then open **Virtaulbox** –> **Preferences** –> **Extensions** and browse for the **vbox-extpack** to install it.

Install VirtualBox Extension Pack

VirtualBox Extension Pack

Updating VirtualBox

If you want to update the **VirtualBox** with latest version in the future, you can simply run the following command to update it.

On RHEL/CentOS/Fedora

```
# yum update VirtualBox-4.3
```

On Ubuntu/Linux Mint

```
# apt-get install VirtualBox-4.3
```

Remove VirtualBox

If in case you want to remove **VirtualBox** completely, just use the following command to remove it completely from your system.

On RHEL/CentOS/Fedora

```
# cd /etc/yum.repos.d/
# rm -rf virtualbox.repo
# yum remove VirtualBox-4.2
```

On Ubuntu/Linux Mint

```
# apt-get remove VirtualBox-4.3
```

You can also Download VirtualBox 4.3 for other **Linux**, **Windows** and **Mac OS X** platforms.

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Ravi Saive
Owner at TecMint.com

Simple Word a Computer Geek and Linux Guru who loves to share tricks and tips on Internet. Most Of My Servers runs on Open Source Platform called Linux.

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64 Responses

1. *John R* says:
   [October 24, 2012 at 7:17 am](#)

   This was perfect! Thanks for publishing, it really saved me a lot of time. I didn't see anything in the docs on how to pull down all of the dependencies and I was constantly failing installs. This time I received errors on the DKMS not being there, but it still compiled and I was able to import an appliance built on an OSX computer without a problem.

   [Reply](#)

2. *Darin* says:
   [October 28, 2012 at 3:44 am](#)

   I've been everywhere trying to get this to work and it won't no matter what I do.

   I've set the KERN_DIR variable. see:

   [root@derwood kernels]# set | grep KERN

KERN_DIR=/usr/src/kernels/2.6.32-279.11.1.el6.centos.plus.x86_64

[root@derwood kernels]# ls
2.6.32-279.11.1.el6.centos.plus.x86_64
[root@derwood kernels]# pwd
/usr/src/kernels

Yet when I try to set up vboxdev, I get this:

Error! Your kernel headers for kernel 2.6.32-279.el6.x86_64 cannot be found at
/lib/modules/2.6.32-279.el6.x86_64/build or /lib/modules/2.6.32-279.el6.x86_64/source.
[FAILED]
(Failed, trying without DKMS)
Recompiling VirtualBox kernel modules [FAILED]

It points to the wrong directory.. This is on a fresh install of Centos 6.3. No updates applied to it.

Any ideas would be appreciated.

[Reply](#)

- *Ravi Saive* says:
  [October 28, 2012 at 11:29 am](#)

  @Darin – Have you installed required dependency packages like kernel-headers kernel-devel?

  If not please install it, The error clearly saying that "kernel headers cannot be found".

  Please install and try again..

  [Reply](#)

  - *Darin* says:
    [October 28, 2012 at 1:28 pm](#)

@Ravi
Yeah.. I had the headers and kernel-devel installed. I figured out the problem.
For some reason, the kernel headers were for a newer kernel.. I uninstalled the headers, did a full yum update, then reinstalled everything and it worked properly. Don't know why yum did that but its fixed.

[Reply](#)

- *Toonz* says:
  [November 18, 2012 at 5:12 am](#)

  The reboot did the trick because the yum update caused you to have a higher kernel version. Next time u should just reboot and you will see that your kernel will be updated also (uname -r and ls in the src dir)

  [Reply](#)

  - *Toonz* says:
    [November 18, 2012 at 5:17 am](#)

    btw thx for the tutorial u might want to add the part about rebooting when the kernel is not updated :)

  - *Riku* says:
    [December 7, 2012 at 12:53 am](#)

    Rebooting fixed the problem. Thanks!

- *Raju* says:
  [September 22, 2013 at 6:51 pm](#)

  Hi Ravi

I tried to install virtualbox on centos 5.9 but it failed
It was upgraded to 2.6.18-348.16.1.el5-xen-x86_64 and vertualbox does not support xen
How to rectify the problem
Thanks
Ojha

Reply

- *Ravi Saive* says:
  September 24, 2013 at 1:09 pm

  Can you post the exact error, so we could rectify and give a solution to fix such issue.

  Reply

3. *Suresh P R* says:
   December 19, 2012 at 3:19 pm

   Thank you very much Ravi . It perfectly worked and once again thank you……..

   Reply

4. *rene cardoso* says:
   January 27, 2013 at 9:04 pm

   I am very impressed by your achivements, I was greatly helpfull to me , I just transfer a virtual box (cloned) from a win 7 ultimate host to a centos host , inside my vm i had a centos server running my web sites,
   Thank you so much!!!! I had a kernell problem when I moved and try to install the clone files (vdi) , Because I am a newbie on linux, and I am loving it, but I don't quite understand how everything works, But I made it , Thanks to God, and your nice explanation here , I find it out that you have to do by rpm and repo files otherwise will not work at all, at the begin I had installed by the binary package … :(, then to fix it I have removed the installation and follow your steps on how to install and works just great!!!! May God Bless you Greatly!!!!!.. Thank you!!!…

[Reply](#)

5. *Nicholas Barraco* says:
   [January 28, 2013 at 1:39 am](#)

   Thank you so much! This really helped me out.

   [Reply](#)

6. *Prasad* says:
   [January 30, 2013 at 4:49 am](#)

   Thanks Ravi you are a star , thanks a ton……

   [Reply](#)

   ○ *Ravi Saive* says:
     [January 30, 2013 at 10:58 am](#)

     @Prasad,

     Thanks for your compliment.

     [Reply](#)

7. *Arfat* says:
   [February 25, 2013 at 8:04 pm](#)

   Hello Friends,

   I am getting the below error while yum update after downloading virtualbox.repo

   [root@025 yum.repos.d]# yum -y update

Loaded plugins: aliases, changelog, downloadonly, fastestmirror, kabi, presto, refresh-packagekit, security, tmprepo, verify,
: versionlock
Loading support for CentOS kernel ABI
Loading mirror speeds from cached hostfile
* base: mirror.nbrc.ac.in
* epel: mirrors.ispros.com.bd
* extras: mirror.nbrc.ac.in
* updates: mirror.nbrc.ac.in
virtualbox/primary | 226 B 00:00
http://download.virtualbox.org/virtualbox/rpm/el/6/x86_64/repodata/primary.xml.gz: [Errno -1] Metadata file does not match checksum
Trying other mirror.
Error: failure: repodata/primary.xml.gz from virtualbox: [Errno 256] No more mirrors to try.

Please Help.

Reply

- *Ravi Saive* says:
  February 25, 2013 at 9:48 pm

  I think you need to clear yum meta cache, run the following command to clear the cache and run the update.

  ```
  # yum clean all
  ```

  I hope it will work out..

  Reply

  - *Arfat* says:
    February 26, 2013 at 12:20 pm

    Hello Ravi,

I tried out yum clean metadata; yum clean all , After this i am facing the below error.
Trying other mirror.
updates | 3.5 kB 00:00
updates/primary_db | 5.1 MB 00:35
virtualbox | 951 B 00:00
virtualbox/primary | 226 B 00:00
http://download.virtualbox.org/virtualbox/rpm/el/6/x86_64/repodata/primary.xml.gz: [Errno -1] Metadata file
does not match checksum
Trying other mirror.
virtualbox/primary | 218 B 00:00
http://download.virtualbox.org/virtualbox/rpm/el/6/x86_64/repodata/primary.xml.gz: [Errno -1] Metadata file
does not match checksum
Trying other mirror.
Error: failure: repodata/primary.xml.gz from virtualbox: [Errno 256] No more mirrors to try.

Reply

■   *subhash* says:
March 15, 2013 at 1:41 pm

Hi,

I am also not able to install virtualbox4.2, and I have update kernel-devel,
and successfully able to /etc/init.d/vboxdrv setup but when i trying to open VirtualBox but not able to start.
also i tried from gui mode but not run and alos no error coming.
please guide me on the same.

Reply

■   *Ravi Saive* says:
March 17, 2013 at 12:02 pm

restart the server will fix this issue..

[Reply](#)

8. *Derwood* says:
   [March 25, 2013 at 11:58 am](#)

   Ravi,
   Centos 6.4 is out and so is VirtualBox 4.2.10. Any pointers for upgrading from Centos 6.3 and VirtualBox 4.2.6?
   I figure a yum update and a reboot to go to Centos 6.4. Then what? Do a service vboxdrv setup? and a yum update VirtualBox-4.2?

   Think anything else will be needed?

   [Reply](#)

   - *Ravi Saive* says:
     [March 25, 2013 at 12:37 pm](#)

     @Derwood,

     I have already written a fair article that show you how to upgrade from any [CentOS 6.x to CentOS 6.4](#).

     I have updated this article to Virtualbox 4.2.10, simple follow the above steps to install it. If any please do let me know..

     [Reply](#)

     - *Derwood* says:
       [March 29, 2013 at 1:45 pm](#)

       Well, I upgraded from CentOS 6.3 to CentOS 6.4, and also update Virtualbox to 4.2.10. Everything went fine except for one small problem.

       I have no text visible in any window or on any of the task bars.
       I managed to get Virtualbox started by blind guessing where its icon was and I got the VMs to start after it

started. So they're up, but still no text in the windows.

here's a screenshot from a vnc session:

http://i11.photobucket.com/albums/a188/derwood5555/desktop_zps3676fb15.png

Any ideas?

Reply

- *Ravi Saive* says:
  March 29, 2013 at 4:07 pm

  No idea man, try rebooting the machine may work..

  Reply

  - *derwood* says:
    March 29, 2013 at 9:44 pm

    Yeah.. I tried rebooting.. It's apparently a problem with the nouveau driver. It has issues.
    I'm either going to have to put a different video card in or install nvidia proprietary drivers.

9. *Marcelo* says:
   March 29, 2013 at 3:56 pm

   Thank you very much!!!

   Reply

10. *derwood* says:
    March 30, 2013 at 2:21 am

I figured it out.. I had to blacklist the nouveau module on the grub line, and then do Xorg -configure to generate a new xorg.conf.

It's working again.

[Reply](#)

- o   *Ravi Saive* says:
      [March 30, 2013 at 11:47 am](#)

      I am glad finally it worked for you. :)

      [Reply](#)

11.   *Sachin* says:
       [June 7, 2013 at 11:58 pm](#)

       "KERN_DIR or if your kernel source directory not detected automatically by build process"
       I got this error msg on RHEL 6.4.

       KERN_DIR=/usr/src/kernels/2.6.18-194.11.1.el5-x86_64
       export KERN_DIR

       Exactly where i can run this commands ? or write in conf file ? or run on terminal ?

       [Reply](#)

12.   *Andres Maurer* says:
       [July 9, 2013 at 7:09 am](#)

       Hi. I have installed VirtualBox over a Centos system but when I try to start VirtualBox I get a message

       Failed to open the X11 display.

What can I do ?

Thanks

Andres

[Reply](#)

- ○ *Ravi Saive* says:

  [July 9, 2013 at 10:41 am](#)

  I think you trying to launch program from the terminal, that's the reason you getting such error. If you are already in X Window, try to start from the Application Menu.

  [Reply](#)

  - ■ *Andres Maurer* says:

    [July 9, 2013 at 5:55 pm](#)

    Hi. Thank you for your answer. How do I know if I am in X Windows. I am issuing the command from the command line and as a Root user.

    Regards

    [Reply](#)

13. *Andres Maurer* says:

    [July 9, 2013 at 7:20 am](#)

    I am sorry, before that error message I get this one.

    When trying to recompile kernel modules by issuing

    service vboxdrv setup

I get this message

TSC mode is "synchronous", kernel timer mode is "normal"

Thanks

Andres

[Reply](#)

- *Ravi Saive* says:
  [July 9, 2013 at 10:38 am](#)

  Try to uninstall and re-install again VirtualBox and start the service this way.

  ```
  # /etc/init.d/vboxdrv setup
  ```

  [Reply](#)

  - *Andres Maurer* says:
    [July 10, 2013 at 7:45 pm](#)

    Hi. I did so but I keep getting the same error and the kernel does't compile.

    [Reply](#)

    - *Ravi Saive* says:
      [July 10, 2013 at 11:05 pm](#)

      Which CentOS version you using? Have you installed all the required packages as shown above in this article? after installing virtualbox you restarted system. I think any of the below packages missed, install them.

      ```
      # yum install dkms binutils gcc make patch libgomp glibc-headers
      glibc-devel kernel-headers kernel-devel
      ```

Reply

14.   *Andres Maurer* says:
       July 9, 2013 at 6:25 pm

       Hi. I did that and have exactly the same behaviour.
       Error messages

       TSC mode is 'synchronous', kernel mode is 'normal'
       vboxpci: IOMMU not found (not compiled)

       Thanks

       Reply

15.   *Anthony* says:
       July 13, 2013 at 11:18 pm

       Good post, however , you don't need to run the setup and if dkms is installed it will automatically rebuild the kernel
       module. If you set up the kernels and build tools and then install Virtualbox as stated in this article.

       http://minimallinux.blogspot.co.uk/2012/07/centos-6-install-virtualbox-guest-os.html

       You should be fine.

       Reply

16.   *litorve* says:
       July 15, 2013 at 1:08 am

       I have followed the steps for installing virtualbox 4.2 in my newly installed fedora 17 OS and having the problem is:
       1. When i started the virtualbox and created a xp system and when i clicked on start then i got this-

       Kernel driver not installed (rc=-1908)

The VirtualBox Linux kernel driver (vboxdrv) is either not loaded or there is a permission problem with /dev/vboxdrv. Please reinstall the kernel module by executing

'/etc/init.d/vboxdrv setup'

as root. If it is available in your distribution, you should install the DKMS package first. This package keeps track of Linux kernel changes and recompiles the vboxdrv kernel module if necessary

2. after abort this window a second window showing the message this–

Failed to open a session for the virtual machine xp.

The virtual machine 'xp' has terminated unexpectedly during startup with exit code

1.
Result Code: NS_ERROR_FAILURE (0×80004005)
Component: Machine
Interface: IMachine {22781af3-1c96-4126-9edf-67a020e0e858}

after that i have installed jre but it still having problems same as above.

please reply what to do?

Reply

17.   *Aniket Lamba* says:
July 28, 2013 at 7:55 pm

Loaded plugins: langpacks, presto, refresh-packagekit
Setting up Remove Process
No Match for argument: VirtualBox-4.2
Cairo-Dock | 2.9 kB 00:00
Dropbox | 951 B 00:00
adobe-linux-i386 | 951 B 00:00
adobe-linux-x86_64 | 951 B 00:00

google-chrome | 951 B 00:00
google-earth | 951 B 00:00
google-talkplugin | 951 B 00:00
livna | 3.6 kB 00:00
rpmfusion-free-updates | 3.3 kB 00:00
skype | 1.2 kB 00:00
updates/metalink | 6.2 kB 00:00
No Packages marked for removal
[root@core yum.repos.d]# ^C
[root@core yum.repos.d]#

I am using Fedora 15 and donno why I am getting this error. :/

[Reply](#)

- *Ravi Saive* says:
  [July 29, 2013 at 4:42 pm](#)

  Have you correctly added Virtualbox repo?

  [Reply](#)

18. *Anand* says:
    [August 4, 2013 at 4:02 pm](#)

    Ravi, does this installation works on Centos 5.3? and, Is the web interface included in this installation?

    [Reply](#)

    - *Ravi Saive* says:
      [August 4, 2013 at 10:18 pm](#)

      No, it will not work. Upgrade your CentOS to 6.4.

[Reply](#)

- *Anand* says:
  [August 26, 2013 at 5:11 pm](#)

  Upgraded to 6.4. But Is the web interface included?

  [Reply](#)

  - *Ravi Saive* says:
    [August 27, 2013 at 8:33 am](#)

    Simply run init 3 command to get command line interface and init 5 to GUI mode.

    [Reply](#)

19. *David* says:
    [August 15, 2013 at 12:19 am](#)

    Well, after try everything i had to run "yum update" then "service vboxdrv setup "
    and works great!
    I loaded virtualbox without any strange message and i'm ready to put a Winbloods guest

    THANKS for your appreciable HELP!!

    [Reply](#)

20. *David* says:
    [August 15, 2013 at 12:21 am](#)

    i forgot to tell you that i'm using Centos 6.4 with a 2.6.32-358.14.1.el6.i686 kernel and Virtualbox is 4.2.16 version...

    Thanks!!

Reply

21.   *Scott C* says:
August 24, 2013 at 11:44 pm

Thanks! Huge help! I was struggling to get this work on 3.10.9-200.fc19.x86_64.

Reply

22.   *Anand* says:
August 26, 2013 at 8:29 pm

Hi Ravi, I am getting this same error as Andres Maurer
"Failed to open the X11 display!"
I am on CentOS 6.4 and logging in via putty.

Reply

  ○   *Ravi Saive* says:
August 27, 2013 at 8:32 am

You cannot start Virtualbox from PUTTY, you need to be logged in GUI mode to start it. PUTTY is made for to access CLI, not GUI.

Reply

23.   *Raju* says:
September 23, 2013 at 4:38 pm

I gives an error with Xen kernel which is created after upgradation of centos 5.6 to 5.9
These are the errors. Please suggest to rectify the problem.
Thanks

(Running VirtualBox in a Xen environment is not supported)

Reply

24.   *Brok* says:
         October 11, 2013 at 8:06 pm

         Thank You!

         Reply

25.   *Miguel* says:
         October 14, 2013 at 7:27 am

         Thank you very much for this guide. It worked for me. I had wasted a few hours and I didn't know how to fix a trouble in the installation of Virtual Box.
         This guide is very clear.

         Reply

26.   *j2* says:
         October 23, 2013 at 4:07 pm

         Hi Ravi, I follow the instructions step by step on installing VirtualBox-4.3. My distro is fedora 19. But still I'm having a problem.

         here's the details:

         $cd /etc/yum.repos.d/
         $wget http://download.virtualbox.org/virtualbox/rpm/fedora/virtualbox.repo
         $yum -y update
         $yum -y install binutils qt gcc make patch libgomp glibc-headers glibc-devel kernel-headers kernel-devel dkms
         $yum -y install VirtualBox-4.3

Here's the Error:

VirtualBox-4.3-4.3.0_89960_fed FAILED] 79 B/s | 26 MB 220:34:39 ETA
http://download.virtualbox.org/virtualbox/rpm/fedora/19/i386/VirtualBox-4.3-4.3.0_89960_fedora18-1.i686.rpm:
[Errno 12] Timeout on http://download.virtualbox.org/virtualbox/rpm/fedora/19/i386/VirtualBox-4.3-4.3.0_89960_fedora18-1.i686.rpm: (28, 'Operation too slow. Less than 1000 bytes/sec transferred the last 30 seconds')
Trying other mirror.

Error downloading packages:
VirtualBox-4.3-4.3.0_89960_fedora18-1.i686: [Errno 256] No more mirrors to try.

Reply

- *Ravi Saive* says:
  October 23, 2013 at 5:20 pm

  Its seems your internet speed is very slow, its transferring data less than 1000 bytes as shown error.

  Reply

  - *j2* says:
    October 23, 2013 at 6:55 pm

    I see. thanks for the reply. Is there any alternative solution for that?

    Reply

    - *Ravi Saive* says:
      October 23, 2013 at 10:57 pm

      No, that's the only way to install Virtualbox.

      Reply

27. *Nick* says:
    [November 8, 2013 at 3:50 am](#)

    I can't get bridged networking to work in FC19. Has anyone else gotten this to work?

    [Reply](#)

28. *Chris* says:
    [November 12, 2013 at 6:07 am](#)

    In Fedora 19 (today), there is no /etc/init.d/vboxdrv file. I'm trying to get virtualbox running via vagrant, and when I try a "vagrant box add…" I get an error that the kernel module is not loaded.

    This might be useful:
    $ systemctl status systemd-modules-load.service
    systemd-modules-load.service – Load Kernel Modules
    Loaded: loaded (/usr/lib/systemd/system/systemd-modules-load.service; static)
    Active: failed (Result: exit-code) since Mon 2013-11-11 13:04:38 CST; 11s ago
    Docs: man:systemd-modules-load.service(8)
    man:modules-load.d(5)
    Process: 6298 ExecStart=/usr/lib/systemd/systemd-modules-load (code=exited, status=1/FAILURE)

    Nov 11 13:04:38 x1-idlelion-net systemd-modules-load[6298]: Failed to insert 'vboxdrv': Required key not available
    Nov 11 13:04:38 x1-idlelion-net systemd[1]: systemd-modules-load.service: main process exited, code=exited, status=1/FAILURE
    Nov 11 13:04:38 x1-idlelion-net systemd[1]: Failed to start Load Kernel Modules.
    Nov 11 13:04:38 x1-idlelion-net systemd[1]: Unit systemd-modules-load.service entered failed state.

    The "required key not available" is a big red flag for me, but I'm not sure how to proceed. Any help greatly appreciated.

    [Reply](#)

29. *Thommy M.* says:
    November 15, 2013 at 10:53 pm

    Hi,

    I followed the instructions above and all was OK until the latest step.
    How can I get the vboxdrv to compile against the correct headers? I'm on Fedora 18.

    # /etc/init.d/vboxdrv setup
    Stopping VirtualBox kernel modules [OK]
    Uninstalling old VirtualBox DKMS kernel modules [OK]
    Removing old VirtualBox pci kernel module [OK]
    Removing old VirtualBox netadp kernel module [OK]
    Removing old VirtualBox netflt kernel module [OK]
    Removing old VirtualBox kernel module [OK]
    Trying to register the VirtualBox kernel modules using DKMSError! echo
    Your kernel headers for kernel 3.11.4-101.fc18.x86_64 cannot be found at
    /lib/modules/3.11.4-101.fc18.x86_64/build or /lib/modules/3.11.4-101.fc18.x86_64/source.
    [FAILED]
    (Failed, trying without DKMS)
    Recompiling VirtualBox kernel modules [OK]
    Starting VirtualBox kernel modules [FAILED]
    (modprobe vboxdrv failed. Please use 'dmesg' to find out why)
    [root@leia ~]# echo $KERN_DIR
    /usr/src/kernels/3.11.7-100.fc18.x86_64
    # uname -r
    3.11.4-101.fc18.x86_64
    # yum -y install kernel-devel kernel-headers-$(uname -r)
    Loaded plugins: fastestmirror, langpacks, presto, refresh-packagekit
    Repository google-chrome is listed more than once in the configuration
    Loading mirror speeds from cached hostfile
    * fedora: mirror.proserve.nl
    * rpmfusion-free: mirror.proserve.nl

* rpmfusion-free-updates: mirror.proserve.nl
* rpmfusion-nonfree: mirror.proserve.nl
* rpmfusion-nonfree-updates: mirror.proserve.nl
* updates: mirror.proserve.nl
Package kernel-devel-3.11.7-100.fc18.x86_64 already installed and latest version
No package kernel-headers-3.11.4-101.fc18.x86_64 available.
Nothing to do

Reply

30.   *Thommy M.* says:
November 16, 2013 at 12:12 am

Sorry for wasting bandwidth, it was only a reboot that was needed to align the running kernel with the header files.
Silly me…

Reply

31.   *Edrisse Chermak* says:
December 2, 2013 at 6:22 pm

Dear all,
I'm on Fedora 19 and up to date. I got the error message you put in "Troubleshooting".
Then I applied the KERN_DIR operation with my kernel version :

[root@localhost]# KERN_DIR=/usr/src/kernels/3.11.9-200.fc19.i686/
[root@localhost]# export KERN_DIR

Unfortunately, I still get an error I don't understand :

[root@localhost]# /etc/init.d/vboxdrv setup
Stopping VirtualBox kernel modules [OK]
Uninstalling old VirtualBox DKMS kernel modules [OK]
Removing old VirtualBox pci kernel module [OK]

Removing old VirtualBox netadp kernel module [OK]
Removing old VirtualBox netflt kernel module [OK]
Removing old VirtualBox kernel module [OK]
Trying to register the VirtualBox kernel modules using DKMSError! echo
Your kernel headers for kernel 3.9.5-301.fc19.i686 cannot be found at
/lib/modules/3.9.5-301.fc19.i686/build or /lib/modules/3.9.5-301.fc19.i686/source.
[FAILED]
(Failed, trying without DKMS)
Recompiling VirtualBox kernel modules [OK]
Starting VirtualBox kernel modules [FAILED]
(modprobe vboxdrv failed. Please use 'dmesg' to find out why)

[root@localhost]# tail dmesg
[23018.339440] vboxdrv: version magic '3.11.9-200.fc19.i686 SMP mod_unload 686 ' should be '3.9.5-301.fc19.i686
SMP mod_unload 686 '

any idea ?
Thanks,

[Reply](#)

32.   *Edrisse Chermak* says:
[December 4, 2013 at 7:07 pm](#)

Well, I guess there's a kernel downgrade story there since I don't see any 3.9 version on my /usr/src/kernels/ .. But no
problem, because I choosed a simpler solution : switching to kvm/qemu ^^
Cheers,
Edrisse

[Reply](#)

33.   *gogomilky* says:
[December 12, 2013 at 4:50 pm](#)

CENTOS 6.4 kernel -2.6.32-358.el6.x86_64

everything was fine to the finaly step when I received a message that libpython requires
then I installed "yum installed python-devel.x86_64″ but the same problem persist on the end of installation process?

What I should to do ?
thanks

Reply

- *gogomilky* says:
  December 12, 2013 at 7:59 pm

  CENTOS 6.4 kernel -2.6.32-358.el6.x86_64
  Ups, I didn't noticed that I had AMD64 infrastructure platform.

  Reply

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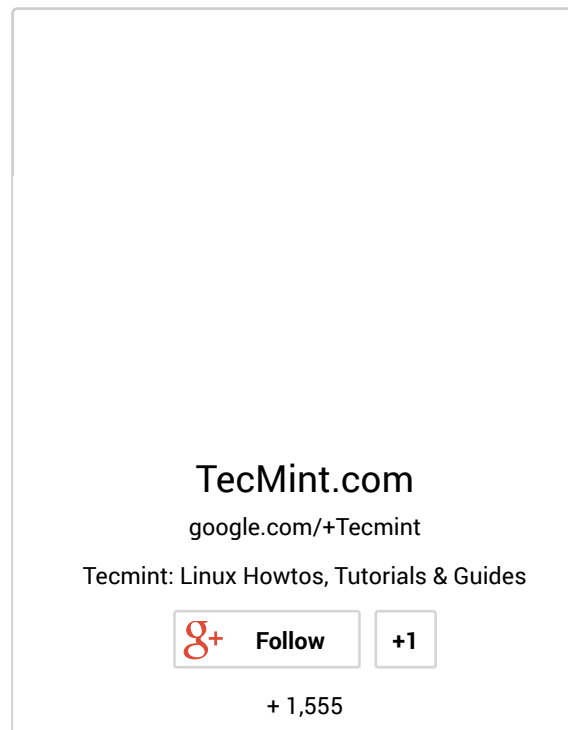- [Google Chrome 29 Released – Install on RHEL/CentOS 6 and Fedora 19/15](#) [76 Comments](#)

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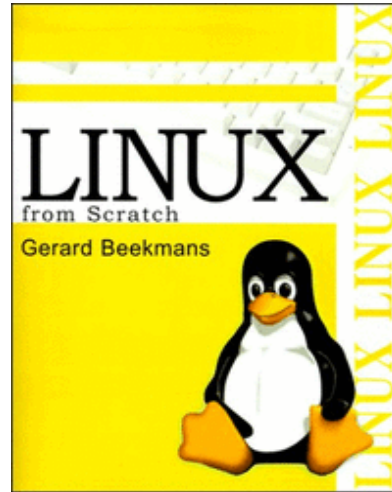
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