

TROUBLESHOOTING

TEST VM

VirtualBox

HOST DISTROS

Sylvia MATE /dev/sda36

Linux Mint 18.3

Artful GNOME /dev/sda27

Ubuntu 17.10

25/03/18

Next HOST - LM 18.3 'Sylvia' Cinnamon /dev/sda26, kernel now 4.13.0-36 following updates, was in the 4.10 series when installed.

Rebooted, Advanced Options, chose 4.10.0-42 and booted. Now try installing VB. Default version held in Repositories is 5.0.40.

1st part, output from Terminal:

```
chris@SylviaCinnamon-Study ~ $ sudo apt-get install virtualbox
```

```
[sudo] password for chris:
```

```
Reading package lists... Done
```

```
Building dependency tree
```

```
Reading state information... Done
```

```
The following additional packages will be installed:
```

```
libgsoap8 libvncserver1 virtualbox-dkms
```

```
Suggested packages:
```

```
vde2 virtualbox-guest-additions-iso
```

```
Recommended packages:
```

```
virtualbox-qt
```

```
The following NEW packages will be installed:
```

```
libgsoap8 libvncserver1 virtualbox virtualbox-dkms
```

```
0 to upgrade, 4 to newly install, 0 to remove and 2 not to upgrade.
```

```
Need to get 15.5 MB of archives.
```

```
After this operation, 71.4 MB of additional disk space will be used.
```

```
Do you want to continue? [Y/n]
```

Chose Yes

```
Get:1 http://ubuntu.mirror.digitalpacific.com.au/archive xenial/universe amd64
```

```
libgsoap8 amd64 2.8.28-1 [216 kB]
```

```
Fetch: 216 kB in 0s (463 kB/s)
```

```
Selecting previously unselected package libgsoap8:amd64.
```

```
(Reading database ... 411883 files and directories currently installed.)
```

```
Preparing to unpack .../libgsoap8_2.8.28-1_amd64.deb ...
```

```
Unpacking libgsoap8:amd64 (2.8.28-1) ...
```

```
Selecting previously unselected package libvncserver1:amd64.
```

Preparing to unpack .../libvncserver1_0.9.10+dfsg-3ubuntu0.16.04.1_amd64.deb ...
Unpacking libvncserver1:amd64 (0.9.10+dfsg-3ubuntu0.16.04.1) ...
Selecting previously unselected package virtualbox-dkms.
Preparing to unpack .../virtualbox-dkms_5.0.40-dfsg-0ubuntu1.16.04.2_all.deb ...
Unpacking virtualbox-dkms (5.0.40-dfsg-0ubuntu1.16.04.2) ...
Selecting previously unselected package virtualbox.
Preparing to unpack .../virtualbox_5.0.40-dfsg-0ubuntu1.16.04.2_amd64.deb ...
Unpacking virtualbox (5.0.40-dfsg-0ubuntu1.16.04.2) ...
Processing triggers for libc-bin (2.23-0ubuntu10) ...
Processing triggers for systemd (229-4ubuntu21.2) ...
Processing triggers for ureadahead (0.100.0-19) ...
ureadahead will be reprofiled on next reboot
Processing triggers for man-db (2.7.5-1) ...
Setting up libgsoap8:amd64 (2.8.28-1) ...
Setting up libvncserver1:amd64 (0.9.10+dfsg-3ubuntu0.16.04.1) ...
Setting up virtualbox-dkms (5.0.40-dfsg-0ubuntu1.16.04.2) ...
Loading new virtualbox-5.0.40 DKMS files...
First Installation: checking all kernels...
Building for 4.10.0-42-generic and 4.13.0-37-generic
Building initial module for 4.10.0-42-generic
Done.

vboxdrv:

Running module version sanity check.

- Original module
- No original module exists within this kernel
- Installation
- Installing to /lib/modules/4.10.0-42-generic/updates/

vboxnetadp.ko:

Running module version sanity check.

- Original module
- No original module exists within this kernel
- Installation
- Installing to /lib/modules/4.10.0-42-generic/updates/

vboxnetflt.ko:

Running module version sanity check.

- Original module
- No original module exists within this kernel
- Installation
- Installing to /lib/modules/4.10.0-42-generic/updates/

vboxpci.ko:

Running module version sanity check.

- Original module
- No original module exists within this kernel
- Installation
- Installing to /lib/modules/4.10.0-42-generic/updates/

depmod.....

DKMS: install completed.

Building initial module for 4.13.0-37-generic

Done.

vboxdrv:

Running module version sanity check.

- Original module
- No original module exists within this kernel
- Installation
- Installing to /lib/modules/4.13.0-37-generic/updates/

vboxnetadp.ko:

Running module version sanity check.

- Original module
- No original module exists within this kernel
- Installation
- Installing to /lib/modules/4.13.0-37-generic/updates/

vboxnetflt.ko:

Running module version sanity check.

- Original module
- No original module exists within this kernel
- Installation
- Installing to /lib/modules/4.13.0-37-generic/updates/

vboxpci.ko:

Running module version sanity check.

- Original module
- No original module exists within this kernel
- Installation
- Installing to /lib/modules/4.13.0-37-generic/updates/

depmod.....

DKMS: install completed.

Setting up virtualbox (5.0.40-dfsg-0ubuntu1.16.04.2) ...

vboxweb.service is a disabled or a static unit, not starting it.

Processing triggers for libc-bin (2.23-0ubuntu10) ...

Processing triggers for systemd (229-4ubuntu21.2) ...

Processing triggers for ureadahead (0.100.0-19) ...

chris@SylviaCinnamon-Study ~ \$

NEXT STEP

Install suggested and recommended packages:

INPUT/OUTPUT

chris@SylviaCinnamon-Study ~ \$ sudo apt-get -y install vde2 virtualbox-guest-

additions-iso virtualbox-qt
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
libvde0 libvdeplug2

Suggested packages:

vde2-cryptcab

The following NEW packages will be installed:

libvde0 libvdeplug2 vde2 virtualbox-guest-additions-iso virtualbox-qt
0 to upgrade, 5 to newly install, 0 to remove and 2 not to upgrade.

Need to get 46.3 MB of archives.

After this operation, 85.1 MB of additional disk space will be used.

Get:1 [http://ubuntu.mirror.digitalpacific.com.au/archive/xenial/universe/amd64](http://ubuntu.mirror.digitalpacific.com.au/archive/xenial/universe/amd64/libvde0)
libvde0 amd64 2.3.2+r586-2 [29.5 kB]

Get:2 [http://ubuntu.mirror.digitalpacific.com.au/archive/xenial/universe/amd64](http://ubuntu.mirror.digitalpacific.com.au/archive/xenial/universe/amd64/libvdeplug2)
libvdeplug2 amd64 2.3.2+r586-2 [18.3 kB]

Get:3 [http://ubuntu.mirror.digitalpacific.com.au/archive/xenial/universe/amd64](http://ubuntu.mirror.digitalpacific.com.au/archive/xenial/universe/amd64/vde2)
vde2 amd64 2.3.2+r586-2 [174 kB]

Get:4 [http://ubuntu.mirror.digitalpacific.com.au/archive/xenial-](http://ubuntu.mirror.digitalpacific.com.au/archive/xenial-updates/multiverse/amd64/virtualbox-qt)
updates/multiverse amd64 virtualbox-qt amd64 5.0.40-dfsg-0ubuntu1.16.04.2
[7,201 kB]

Get:5 [http://ubuntu.mirror.digitalpacific.com.au/archive/xenial-](http://ubuntu.mirror.digitalpacific.com.au/archive/xenial-updates/multiverse/amd64/virtualbox-guest-additions-iso)
updates/multiverse amd64 virtualbox-guest-additions-iso all 5.0.40-
0ubuntu1.16.04.1 [38.8 MB]

Fetched 46.3 MB in 42s (1,102 kB/s)

Selecting previously unselected package libvde0.

(Reading database ... 412325 files and directories currently installed.)

Preparing to unpack .../libvde0_2.3.2+r586-2_amd64.deb ...

Unpacking libvde0 (2.3.2+r586-2) ...

Selecting previously unselected package libvdeplug2.

Preparing to unpack .../libvdeplug2_2.3.2+r586-2_amd64.deb ...

Unpacking libvdeplug2 (2.3.2+r586-2) ...

Selecting previously unselected package vde2.

Preparing to unpack .../vde2_2.3.2+r586-2_amd64.deb ...

Unpacking vde2 (2.3.2+r586-2) ...

Selecting previously unselected package virtualbox-qt.

Preparing to unpack .../virtualbox-qt_5.0.40-dfsg-
0ubuntu1.16.04.2_amd64.deb ...

Unpacking virtualbox-qt (5.0.40-dfsg-0ubuntu1.16.04.2) ...

Selecting previously unselected package virtualbox-guest-additions-iso.

Preparing to unpack .../virtualbox-guest-additions-iso_5.0.40-
0ubuntu1.16.04.1_all.deb ...

Unpacking virtualbox-guest-additions-iso (5.0.40-0ubuntu1.16.04.1) ...

Processing triggers for man-db (2.7.5-1) ...

Processing triggers for gnome-menus (3.13.3-6ubuntu3.1) ...

Processing triggers for desktop-file-utils (0.22+linuxmint1) ...

Processing triggers for mime-support (3.59ubuntu1) ...

Processing triggers for shared-mime-info (1.5-2ubuntu0.1) ...

Processing triggers for hicolor-icon-theme (0.15-0ubuntu1) ...

Setting up libvde0 (2.3.2+r586-2) ...

Setting up libvdeplug2 (2.3.2+r586-2) ...

```
Setting up vde2 (2.3.2+r586-2) ...
Setting up virtualbox-qt (5.0.40-dfsg-0ubuntu1.16.04.2) ...
Setting up virtualbox-guest-additions-iso (5.0.40-0ubuntu1.16.04.1) ...
Processing triggers for libc-bin (2.23-0ubuntu10) ...
chris@SylviaCinnamon-Study ~ $
```

ANOTHER RECOMMENDED PACKAGE, SO:

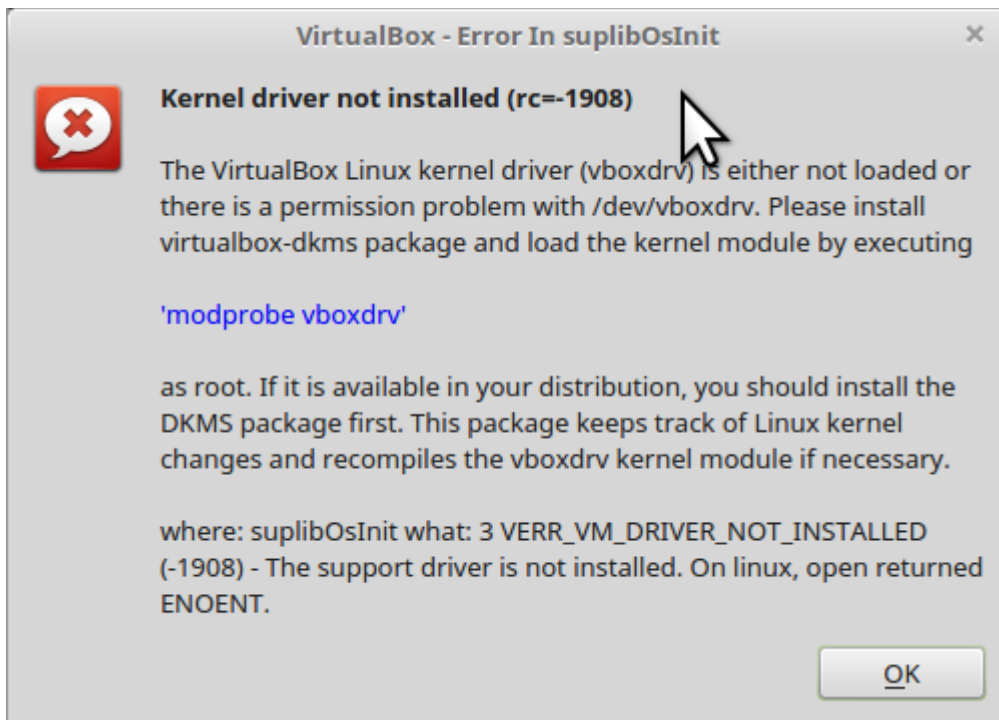
```
chris@SylviaCinnamon-Study ~ $ sudo apt-get -y install vde2-cryptcab
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
  vde2-cryptcab
0 to upgrade, 1 to newly install, 0 to remove and 2 not to upgrade.
Need to get 15.8 kB of archives.
After this operation, 86.0 kB of additional disk space will be used.
Get:1 http://ubuntu.mirror.digitalpacific.com.au/archive xenial/universe amd64
vde2-cryptcab amd64 2.3.2+r586-2 [15.8 kB]
Fetched 15.8 kB in 0s (74.5 kB/s)
Selecting previously unselected package vde2-cryptcab.
(Reading database ... 412571 files and directories currently installed.)
Preparing to unpack .../vde2-cryptcab_2.3.2+r586-2_amd64.deb ...
Unpacking vde2-cryptcab (2.3.2+r586-2) ...
Processing triggers for man-db (2.7.5-1) ...
Setting up vde2-cryptcab (2.3.2+r586-2) ...
chris@SylviaCinnamon-Study ~ $
```

NOW TO TRY IT

1. Ran as iso MX-17 seems to work. Now I would like to follow instructions to either enable file/folder sharing or establish a Network connection, but 1st I will reboot and reassign the kernel and see if it runs under 4.13 series.
2. NO! 1st error popup



and then this is replaced by another popup



NOTES HERE ARE

- virtualbox-dkms is already installed, Synaptic proves it
- command modprobe vboxdrv returns error

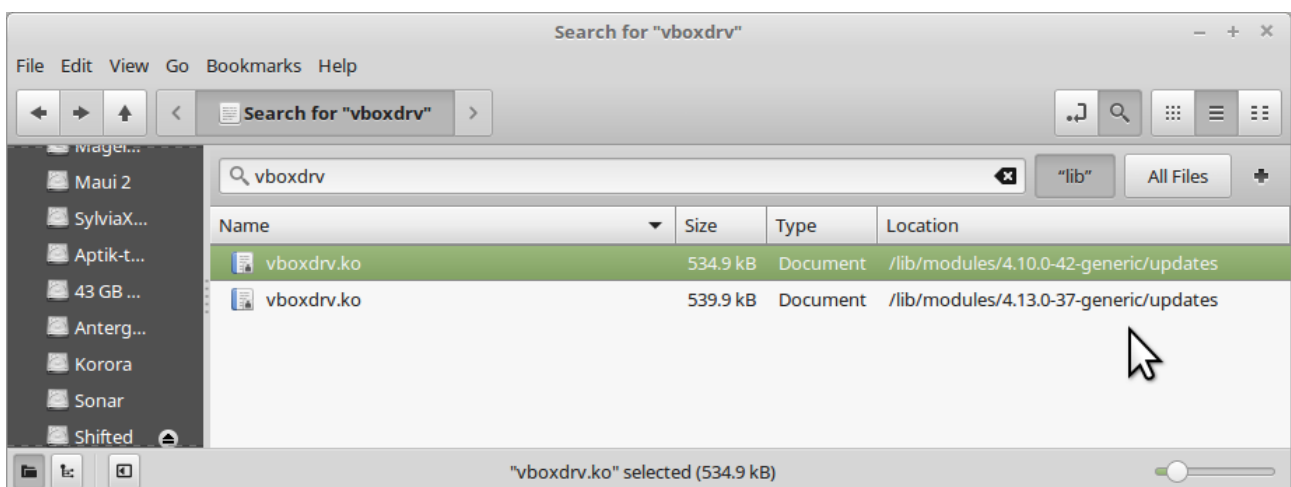
chris@SylviaCinnamon-Study ~ \$ sudo su

[sudo] password for chris:

SylviaCinnamon-Study chris # modprobe vboxdrv

modprobe: FATAL: Module vboxdrv not found in directory /lib/modules/4.13.0-36-generic

HOWEVER a search reveals



Neither of the listed entries is from 4.13.0-36-generic, and they appear to be one subfolder further down on the tree (/updates).

3. At this point, went to here <https://www.virtualbox.org/wiki/News> and had a read of releases and point releases. It dates back to October 2013 and is as recent as Feb 27 2018. There is no mention of a v5.0.40, maintenance or otherwise (closest is 5.0.38), so what is the story with Linux Mint?
4. yada

THIS IS INTERESTING

Went to my Peppermint 8 Distro and ran updates, which included removing an old kernel. A part of the output was as follows:

```
Removing linux-image-4.13.0-32-generic (4.13.0-32.35~16.04.1) ...
Examining /etc/kernel/prerm.d.
run-parts: executing /etc/kernel/prerm.d/dkms 4.13.0-32-generic /boot/vmlinuz-4.13.0-32-generic
dkms: removing: virtualbox 5.0.40 (4.13.0-32-generic) (x86_64)
```

```
----- Uninstall Beginning -----
Module: virtualbox
Version: 5.0.40
Kernel: 4.13.0-32-generic (x86_64)
-----
```

Status: Before uninstall, this module version was ACTIVE on this kernel.

vboxdrv.ko:

- Uninstallation
 - Deleting from: /lib/modules/4.13.0-32-generic/updates/
- Original module
 - No original module was found for this module on this kernel.
 - Use the dkms install command to reinstall any previous module version.

vboxnetadp.ko:

- Uninstallation
 - Deleting from: /lib/modules/4.13.0-32-generic/updates/
- Original module
 - No original module was found for this module on this kernel.
 - Use the dkms install command to reinstall any previous module version.

vboxnetflt.ko:

- Uninstallation
 - Deleting from: /lib/modules/4.13.0-32-generic/updates/
- Original module
 - No original module was found for this module on this kernel.
 - Use the dkms install command to reinstall any previous module version.

vboxpci.ko:

- Uninstallation
 - Deleting from: /lib/modules/4.13.0-32-generic/updates/
- Original module
 - No original module was found for this module on this kernel.
 - Use the dkms install command to reinstall any previous module version.

depmod....

DKMS: uninstall completed.

Examining /etc/kernel/postrm.d

It seems VB is installed by default with Peppermint 8, and further, it is v5.0.40

OBJECTIVE 1

Be able to share files and folders, between Guest and Host & viceversa, either through Network setup or File/Folder Sharing

SOTN (State of The Nation)

@ 24/03/18 Host Sylvia MATE /dev/sda36 has 40 GiB space, and has VB Version 5.2.8 r121009 (Qt5.6.1) running the VM ... this after upgrading from Oracle.

Two (2) Guests are

- MX-17 and
- Anarchy

ASSOCIATED DOCUMENTS

FOLDERSHARING AND

NETWORKING

ACTION

Commence with Networking

IMPORTANT NOTE - CHANGE OF PLAN

Starting with Artful GNOME as Host, now has same Distros on it.