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Install VirtualBox guest additions on CentOS 7

By Jason Doolittle | June 10, 2017   3 Comments

I am starting with CentOS 7 minimal install, but the steps should work wherever you are starting.

In The Host OS

First you need to find the Virtual box guest additions iso. It's harder to find than it should be. In the host OS (not in the CentOS VM) go to download.virtualbox.org/virtualbox and navigate to your version of VirtualBox

Download the VBoxGuestAdditions_[version].iso. (Mine is VBoxGuestAdditions_5.1.22.iso)

In the VirtualBox VM manager, load this iso into the optical drive of the CentOS VM. (Screenshot coming soon)

In The CentOS VM

Everything here needs to be done as root so either log in as root or put "sudo" in front of every command.

Update your system

Specifically you want to the latest kernel otherwise your VirtualBox modules might be built for the wrong kernel version:

```
yum update
```

Now reboot to make sure you are are running the latest kernel.

Get all the stuff required to build the VirtualBox Guest additions

```
yum groupinstall "Development Tools"
yum install kernel-devel
```

You also need dkms from the epel repository

```
yum install epel-release
yum install dkms
```

Install the guest additions

Make a place to mount the iso and then mount it.

```
mkdir /mnt/VBoxLinuxAdditions
mount /dev/cdrom /mnt/VBoxLinuxAdditions
```

Run the install script

```
sh /mnt/VBoxLinuxAdditions/VBoxLinuxAdditions.run
```

That's it. If everything went well, you can now use the additional functionality provided by the VirtualBox Guest Additions.
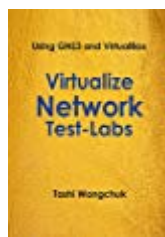
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Chris Graham • 7 months ago
5.2.22 still fails for me:

/tmp/vbox.0/vbox_mode.c:358:3: warning: passing argument 2 of 'drm_encoder_find' makes pointer from integer without a cast [enabled by default]
return drm_encoder_find(connector->dev, enc_id);
^

In file included from /tmp/vbox.0/vbox_drv.h:89:0,
from /tmp/vbox.0/vbox_mode.c:35:
include/drm/drm_encoder.h:221:35: note: expected 'struct drm_file *' but argument is of type 'int'
static inline struct drm_encoder *drm_encoder_find(struct drm_device *dev,
^

/tmp/vbox.0/vbox_mode.c:358:3: error: too few arguments to function 'drm_encoder_find'
return drm_encoder_find(connector->dev, enc_id);
^

In file included from /tmp/vbox.0/vbox_drv.h:89:0,
from /tmp/vbox.0/vbox_mode.c:35:
include/drm/drm_encoder.h:221:35: note: declared here
static inline struct drm_encoder *drm_encoder_find(struct drm_device *dev,
^

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DPooh • 10 months ago
Thanks... worked for me.

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ToniT • a year ago • edited
Pude instalar las tools gracias a este post, aunque el groupinstall development tools no es necesario.

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