

# ITek Blog

The IT Resource Kit



## CentOS 7 VirtualBox Guest Additions Installation



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## CentOS 7 VirtualBox Guest Additions Installation Tutorial

In the following tutorial, I'll demonstrate how to install Guest Additions on your VirtualBox hosted **CentOS 7 Minimal** machine.

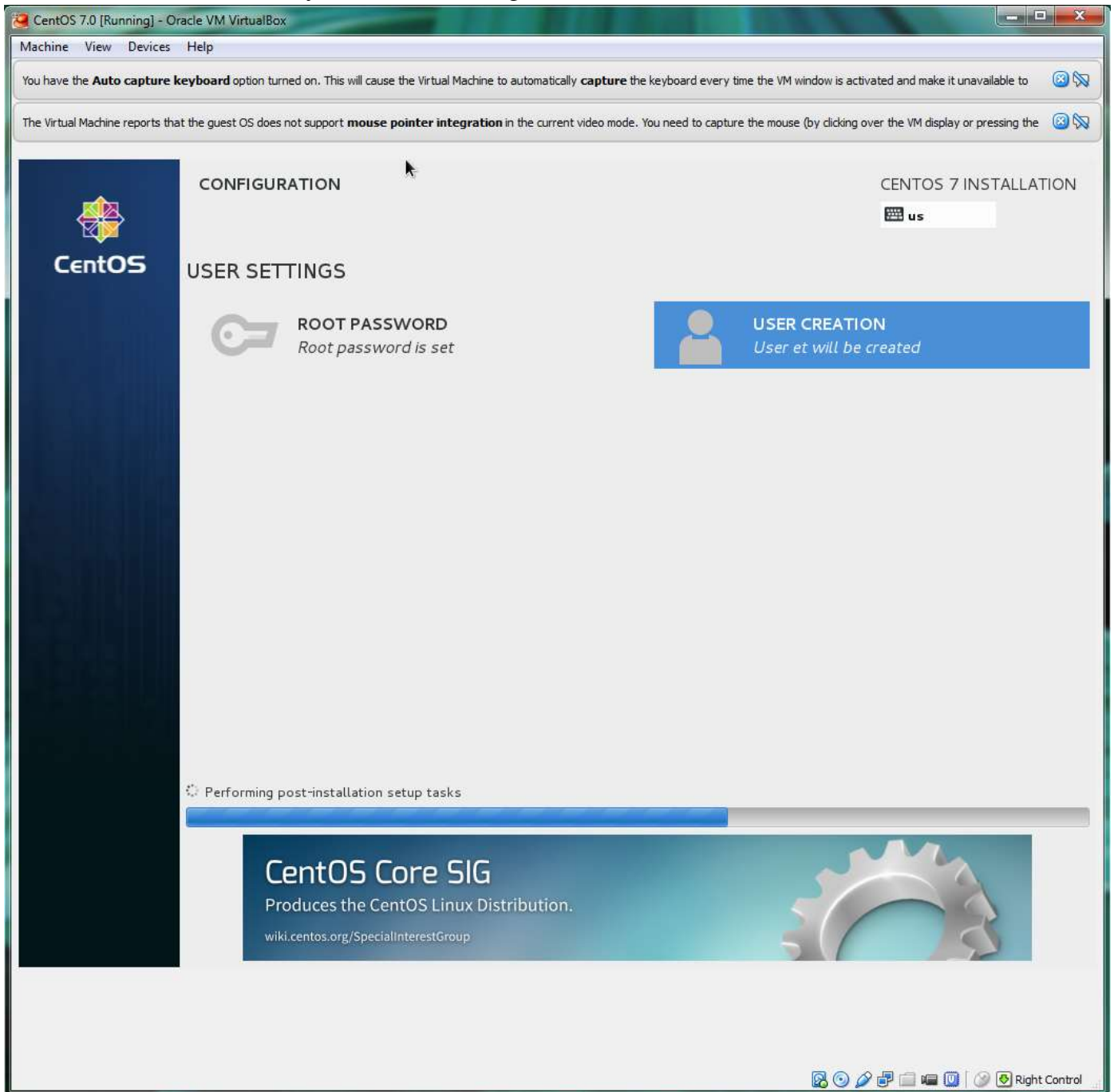
Although this tutorial is intended for CentOS 7 minimal, it's will probably also work on other CentOS releases.

## Update your VirtualBox

[VirtualBox](#) 4.3.12 or later is required for support in CentOS 7.x, So if you're using older version of VirtualBox – it's time for you to upgrade.

## Update and Reboot system

After successful installation of your new and shining CentOS box,



Important Before anything!, I'd advice you to update your CentOS & reboot:

```
yum update  
reboot
```

After, also try to update your kernel and reboot:

```
yum update kernel  
reboot
```

You will need to be the root user for the following routine or “su -”

## Prerequisites

In order to compile the guest additions you have to install ***make, gcc, kernel-devel*** in order to Install VirtualBox Guest Additions installation script.

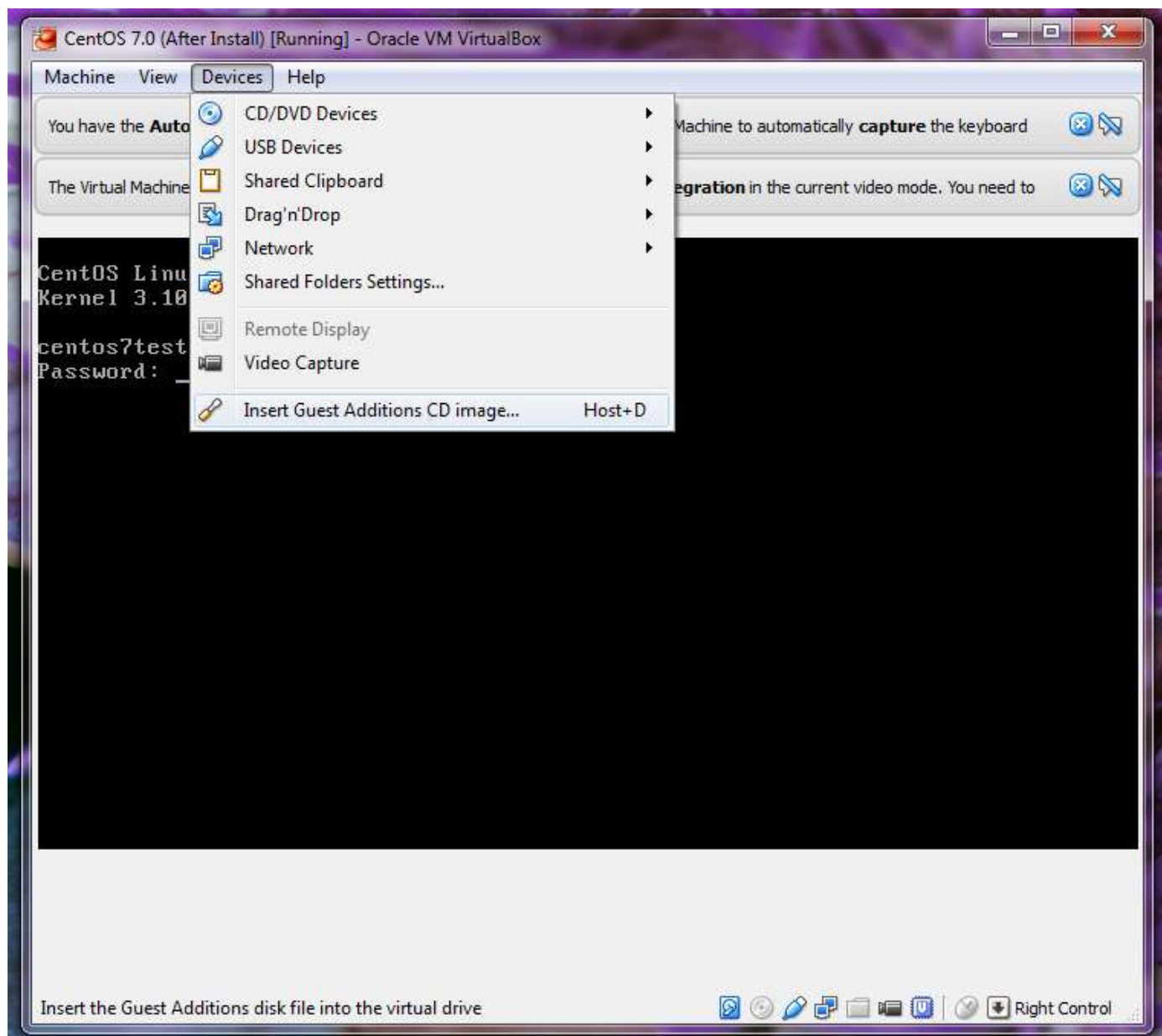
```
yum install gcc make kernel-devel
```

**OR,** I'll recommend installing the entire “Developer tools” group which will help you to avoid a lot of trouble later:

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

## Install VirtualBox Guest Additions

Mount your guest additions:



Type at command::

```
cd /mnt
mkdir cdrom && mount /dev/cdrom /mnt/cdrom
cd cdrom && ./VBoxLinuxAdditions.run
```

```
Building the VirtualBox Guest Additions kernel modules
Building the main Guest Additions module [ OK ]
Building the shared folder support module [ OK ]
Building the OpenGL support module [ OK ]
Doing non-kernel setup of the Guest Additions [ OK ]
Starting the VirtualBox Guest Additions [ OK ]
Installing the Window System drivers
Could not find the X.Org or XFree86 Window System, skipping.
```

If everything "OK" – You have Guest Additions properly installed on your Centos (Minimal) machine. now Reboot:

```
reboot
```

That's it!



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+67

Related posts:

1. [Install VirtualBox Guest Additions on Centos Minimal 6.3](#)
2. [Install VirtualBox Guest Additions on Ubuntu Server](#)
3. [VMware Tools CentOS 6.x easy installation guide.](#)

This entry was posted in BASH, Centos, Linux/Unix, Virtualization and tagged CentOS, CentOS 6.x, Install, VirtualBox on August 27, 2014 [<https://itekblog.com/centos-7-virtualbox-guest-additions-installation-centos-minimal/>] by **Etay Cohen-Solal**.

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### About Etay Cohen-Solal

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## 13 thoughts on “CentOS 7 VirtualBox Guest Additions Installation”



Masa

February 4, 2015 at 05:30

Thanks to this article, the same problem I had has been cleared!



Nightmare

March 22, 2015 at 10:40

thanks buddy. problem solved 😊



aBBy

March 30, 2015 at 00:48

Bravo! Thank you for this post. This saved my day indeed. Was struggling with resolution.



Ed Eichman

June 3, 2015 at 17:12

Just what I needed. Thanks!



James

July 24, 2015 at 10:31

I love your brian.

Can i marry it . 😊



jose cisneros

December 10, 2015 at 06:34

YOU ARE THE MAN!!!!!! THANKS A LOT!!!!!!



Dark-Sagittarius

January 3, 2016 at 07:30

I have read to install dkms package for automatic kernel modules' recompilation after kernel updates. Is it necessary in a centos minimal installation?

source: <https://wiki.centos.org/HowTos/Virtualization/VirtualBox/CentOSguest>



how-stop-snoring.eu

February 6, 2017 at 15:17

Wow that was unusual. I jjust wrote an really lokng comment but after I cliccked submit my comment didn't appear. Grrrr... well I'm not writing all that over again. Anyhow, just wanted to say wonderful blog!



Andres

April 16, 2017 at 15:42

Great !!! It worked for me ... using Windows 10 as Host, CentOS 7 (1611) as guest. VBox is 5.1.18

Thanks!!!!!!

Andres



**Ian Sebryk**

January 26, 2018 at 07:29

how, how, how did you get this working?? i am also running Win10 host and CentOS 7 guest. but the install tanks right as it is building the guest kernel modules. it stops there. for the life of me, i don't know where to go from there and i'm sick of staring at tiny 800×600 box on my 4k monitor! >:(

i have installed all the devtools and dkms. argh! 😞

**InitRota**

July 30, 2017 at 09:22

[Kosmetyki homeopatyczne](#) – profesjonalne kosmetyki.

**OpenCode**

September 4, 2017 at 09:45

install process needs bzip2

(Before)

```
yum install gcc make kernel-devel
```

(new)

```
yum install gcc make kernel-devel bzip2
```

**drlink**

March 27, 2018 at 04:34

thankyou mister

