Install VMware Tools

VMware Tools includes drivers to improve graphics, mouse, networking, and storage for VMware virtual devices.

Click Mount to mount the disk image with VMware Tools on the virtual CD/DVD drive of the virtual machine. Then, go to the console to run the VMware Tools install wizard from the virtual CD/DVD.

Click Cancel if the guest OS is not running. The guest OS of the virtual machine must be running to install VMware Tools.
echo "It doesn't matter if I am using a GUI system like this, or a headless. The steps will be the same. It doesn't matter if I am using a GUI system like this, or a headless. The steps will be the same."
ubuntu_test

Terminal

dr, nsroot/
cgroup on /sys/fs/cgroup/cpuset type cgroup (rw, nosuid, nodev, noexec, relatime, cpuset, nsroot/)
cgroup on /sys/fs/cgroup/devices type cgroup (rw, nosuid, nodev, noexec, relatime, devices, nsroot/)
cgroup on /sys/fs/cgroup/blkio type cgroup (rw, nosuid, nodev, noexec, relatime, blkio, nsroot/)
cgroup on /sys/fs/cgroup/cpuset type cgroup (rw, nosuid, nodev, noexec, relatime, cpu set, nsroot/)
cgroup on /sys/fs/cgroup/limits type cgroup (rw, nosuid, nodev, noexec, relatime, limits, nsroot/)

systemd-1 on /proc/sys/fs/binfmt_misc type automfs (rw, relatime, fd=29, pgrp=1, time out=0, minproto=5, maxproto=5, direct)

hugelbfs on /dev/hugepages type hugelbfs (rw, relatime)

debugfs on /sys/kernel/debug type debugfs (rw, relatime)
fusectl on /sys/fs/fuse/connections type fusectl (rw, relatime)
tmpfs on /run/user/108 type tmpfs (rw, nosuid, nodev, relatime, size=1048576k, node=700, uid=1008, gid=114)
tmpfs on /run/user/1008 type tmpfs (rw, nosuid, nodev, relatime, size=1048576k, mode=700, uid=1008, gid=1008)
gvfsd-fuse on /run/user/1008/gvfs type fuse.gvfsd-fuse (rw, nosuid, nodev, relatime, user id=1008, group id=1008)

/dev/sr0 on /media/joe/VMware Tools type iso9660 (ro, nosuid, nodev, relatime, uid=1008, gid=1008, isocharset=utf8, node=8400, dmode=500, umask=002)

joe@joe-virtual-machine:~$
Terminal

```
root@joetheknight:/media/joe/VMware Tools$ cd /media/joe/VMware Tools
```
```
manifest.txt
VMwareTools-10.0.6-3566309.tar.gz
vmware-tools-upgrader-64
run_upgrader.sh
vmware-tools-upgrader-32
```
```
root@joetheknight:/media/joe/VMware Tools$ ls
```
```
manifest.txt
VMwareTools-10.0.6-3566309.tar.gz
vmware-tools-upgrader-64
run_upgrader.sh
vmware-tools-upgrader-32
```
root@joe-vm:/media/joe/VMware Tools# tar -xvf VMwareTools-10.0.6-3560309.tar.gz -C /home/joe/Desktop/
```
root@joe-vm:/media/joe/VMware Tools# cd
root@joe-vm:~-# cd /home/joe/Desktop
root@joe-vm:/Desktop# pwd
/home/joe/Desktop
root@joe-vm:~-#
```
root@joe-virtual-machine:~$ ls
vmware-tools-distrib

root@joe-virtual-machine:~$ cd /Desktop/vmware-tools-distrib/

root@joe-virtual-machine:~/Desktop/vmware-tools-distrib$ ls
bin  doc  FILES  installer  vgauth  vmware-install.real.pl

root@joe-virtual-machine:~/Desktop/vmware-tools-distrib$ ls
bin  caf  etc  INSTALL  lib  vmware-install.pl

root@joe-virtual-machine:~/Desktop/vmware-tools-distrib$ ./vmware-install.pl -d
open-vm-tools are available from the OS vendor and VMware recommends using open-vm-tools. See http://kb.vmware.com/kb/2073803 for more information. Do you still want to proceed with this legacy installer? [no]

root@joe-virtual-machine:~/Desktop/vmware-tools-distrib$ ./vmware-install.pl
open-vm-tools are available from the OS vendor and VMware recommends using open-vm-tools. See http://kb.vmware.com/kb/2073803 for more information. Do you still want to proceed with this legacy installer? [no] yes
open-vm-tools are available from the OS vendor and VMware recommends using open-vm-tools. See http://kb.vmware.com/kb/2073803 for more information.

Do you still want to proceed with this legacy installer? [no]

Creating a new VMware Tools installer database using the tar4 format.

Installing VMware Tools.

In which directory do you want to install the binary files? [/usr/bin]

What is the directory that contains the init directories (rc0.d/ to rc6.d/)? [/etc]

What is the directory that contains the init scripts? [/etc/init.d]

In which directory do you want to install the daemon files? [/usr/sbin]
Creating a new VMware Tools installer database using the tar4 format.

Installing VMware Tools.

1. In which directory do you want to install the binary files? [/usr/bin]

2. What is the directory that contains the init directories (rc0.d/ to rc6.d/)? [/etc]

3. What is the directory that contains the init scripts? [/etc/inittab]

4. In which directory do you want to install the daemon files? [/usr/sbin]

5. In which directory do you want to install the library files? [/usr/lib/vmware-tools]

The path "/usr/lib/vmware-tools" does not exist currently. This program is going to create it, including needed parent directories. Is this what you want? [yes]
In which directory do you want to install the common agent library files? 
[/usr/lib]
The path "yes" is a relative path. Please enter an absolute path.

In which directory do you want to install the common agent library files? 
[/usr/lib]

In which directory do you want to install the common agent transient files? 
[/var/lib]

In which directory do you want to install the documentation files? 
[/usr/share/doc/vmware-tools]

The path "/usr/share/doc/vmware-tools" does not exist currently. This program is going to create it, including needed parent directories. Is this what you want? [yes]

The installation of VMware Tools 10.0.6 build-3560309 for Linux completed successfully. You can decide to remove this software from your system at any time by invoking the following command: "/usr/bin/vmware-uninstall-tools.pl".

Before running VMware Tools for the first time, you need to configure it by invoking the following command: "/usr/bin/vmware-config-tools.pl". Do you want this program to invoke the command for you now? [yes]
Unmounting HGFS shares:
Guest filesystem driver: done

update-rc.d: warning: start and stop actions are no longer supported; falling back to defaults.
The module vnc1 has already been installed on this system by another installer or package and will not be modified by this installer.
The module vsoc3 has already been installed on this system by another installer or package and will not be modified by this installer.
The module vmxnet3 has already been installed on this system by another installer or package and will not be modified by this installer.
The module pvsoc3 has already been installed on this system by another installer or package and will not be modified by this installer.
The module vmmemctl has already been installed on this system by another installer or package and will not be modified by this installer.
The VMware Host-Guest Filesystem allows for shared folders between the host OS and the guest OS in a Fusion or Workstation virtual environment. Do you wish to enable this feature? [no]
root@joe-virtual-machine:~$Desktop/vmware-tools-distrib

be enabled/diabled by re-running vmware-config-tools.pl.

Would you like to enable VMware automatic kernel modules? [no]

Disabling timer-based audio scheduling in pulseaudio.

Do you want to enable Guest Authentication (vgauth)? Enabling vauth is needed if you want to enable Common Agent (caf). [yes]

Do you want to enable Common Agent (caf)? [yes]

Detected X server version 1.18.3

Distribution provided drivers for Xorg X server are used.

Skipping X configuration because X drivers are not included.
VGAuthService:
    Common Agent:
The configuration of VMware Tools 10.0.6 build-3560309 for Linux for this running kernel completed successfully.

You must restart your X session before any mouse or graphics changes take effect.

You can now run VMware Tools by invoking "/usr/bin/vmware-toolbox-cmd" from the command line.

To enable advanced X features (e.g., guest resolution fit, drag and drop, and file and text copy/paste), you will need to do one (or more) of the following: 1. Manually start /usr/bin/vmware-user
2. Log out and log back into your desktop session; and,
3. Restart your X session.

Enjoy,
--the VMware team

Found VMware Tools CDROM mounted at /media/joe/VMware Tools. Ejecting device /dev/sr8 ...

root@joe-virtual-machine:~/Desktop/vmware-tools-distrib# reboot