

## ManageIQ KB: EVM Suite <sup>™</sup>

### Removing Open-vm-tools and Installing Vmware Tools

Version 4.x

Created: 3/15/2011

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The 4.x version of the EVM Appliance comes with Open-Vmware tools installed. Your enterprise may require VMware Tools. This bulletin includes the following information:

- Removing open-vm-tools
- Installing Vmware Tools

#### To remove open-vm-tools

1. Start the EVM 4.x Appliance.
2. Use SSH to log in to the appliance with admin rights.
3. Verify the vmware-open-vm-tools rpms are installed by running:

```
rpm -qa |grep vmware
```

#### Output:

```
vmware-open-vm-tools-xorg-drv-display-10.16.7.0-0.257589.el5
vmware-open-vm-tools-common-8.3.2-257589.el5
vmware-open-vm-tools-xorg-utilities-8.3.2-257589.el5
vmware-tools-common-8.3.2-257589.el5
vmware-tools-8.3.2-257589.el5
vmware-open-vm-tools-xorg-drv-mouse-12.6.4.0-0.257589.el5
vmware-open-vm-tools-kmod-8.3.2-257589.el5
vmware-open-vm-tools-nox-8.3.2-257589.el5
vmware-open-vm-tools-8.3.2-257589.el5
vmware-tools-nox-8.3.2-257589.el5
```

4. Remove this list of rpms by running:

```
rpm -e `rpm -qa |grep vmware-*`
```

(Note: 2 rpms will fail to remove due to the EVM appliance not containing the xwindows environment)

#### Output:

```
Traceback (most recent call last):
  File "/usr/lib/vmware-tools/install/vmware-open-vm-tools-xorg-drv-
mouse/x-conf-rhel.py", line 6, in ?
    import xf86config
```

```

ImportError: No module named xf86config
error: %preun(vmware-open-vm-tools-xorg-drv-mouse-12.6.4.0-
0.257589.el5.x86_64) scriptlet failed, exit status 1
vmware-user-loader: no process killed
Stopping VMware Tools services in the virtual machine:
  Guest operating system daemon:[ OK ]
  Virtual Printing daemon:[ OK ]
  Unmounting HGFS shares:[ OK ]
  Guest filesystem driver:[ OK ]
  Guest memory manager:[ OK ]
  VM communication interface socket family:[ OK ]
  VM communication interface:[ OK ]
Traceback (most recent call last):
  File "/usr/lib/vmware-tools/install/vmware-open-vm-tools-xorg-drv-
display/x-conf-rhel.py", line 6, in ?
    import xf86config
ImportError: No module named xf86config
error: %preun(vmware-open-vm-tools-xorg-drv-display-10.16.7.0-
0.257589.el5.x86_64) scriptlet failed, exit status 1

```

5. Verify that the other rpms were removed and only 2 remain by running:

```
rpm -qa |grep vmware
```

**Output:**

```

vmware-open-vm-tools-xorg-drv-display-10.16.7.0-0.257589.el5
vmware-open-vm-tools-xorg-drv-mouse-12.6.4.0-0.257589.el5

```

6. Run the uninstall, ignoring the failing scriptlets:

```
rpm -e --noscripts `rpm -qa |grep vmware-*`
```

7. Verify that all of the rpms are now removed, by typing:

```
rpm -qa |grep vmware
```

Now that this is removed, you can install the VMware version of the tools.

### To install VMware tools

1. To install the vmware tools from vSphere client, you may need to add a cd/dvd drive. To do this, open vSphere client. Shutdown the EVM Appliance, edit the settings, adding a cd/dvd drive, on the "client" with pass through option.
2. Start the EVM Appliance.
3. Still using the vSphere client, select the EVM Appliance. From the Inventory menu, select Virtual Machine, Guest, Install/upgrade vmware tools.
4. Choose interactive tools upgrade. It will initiate vmware tools install in the vSphere tasks. You will need to manually do the following once the VMware Tools install is complete in the vSphere tasks.

5. Log in to the appliance through SSH with and admin account.
6. Mount the cdrom by typing:

```
mount /dev/cdrom /mnt
```

7. Check the version of the VMware tools file by changing to the mnt directory and listing its contents.

```
cd /mnt
```

```
ls
```

Use the file name from the output in the next steps. In this case the file name is  
VMwareTools-4.0.0-261974.tar.gz

8. Copy the tools compressed file, extract it, and run the install, **accepting the default options** by typing each of the following commands. Use **Enter** to accept defaults as prompted.

```
cp /mnt/VMwareTools-4.0.0-261974.tar.gz /tmp
```

```
cd /tmp
```

```
tar xvf VMwareTools-4.0.0-261974.tar.gz
```

```
cd vmware-tools-distrib/
```

```
./vmware-install.pl
```

#### Output:

```
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/rc.d]
```

```
What is the directory that contains the init scripts?
```

```
[/etc/rc.d/init.d]
```

```
In which directory do you want to install the daemon files?
```

```
[/usr/sbin]
```

```
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] yes
```

```
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 4.0.0 build-261974 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]  
Initializing...
```

Stopping VMware Tools services in the virtual machine:  
Guest operating system daemon: [ OK ]  
Unmounting HGFS shares: [ OK ]  
Guest filesystem driver: [ OK ]  
The bld-2.6.18-8.el5-x86\_64smp-RHEL5 - vmmemctl module loads perfectly into the running kernel.

Could not create the '/mnt/hgfs' directory.  
The filesystem driver (vmhgfs module) is used only for the shared folder feature. The rest of the software provided by VMware Tools is designed to work independently of this feature.

If you wish to have the shared folders feature, you can install the driver by running vmware-config-tools.pl again after making sure that gcc, binutils, make and the kernel sources for your running kernel are installed on your machine. These packages are available on your distribution's installation CD.  
[ Press Enter key to continue ]

The bld-2.6.18-8.el5-x86\_64smp-RHEL5 - vmxnet module loads perfectly into the running kernel.

The bld-2.6.18-8.el5-x86\_64smp-RHEL5 - vmblock module loads perfectly into the running kernel.

The bld-2.6.18-8.el5-x86\_64smp-RHEL5 - vmci module loads perfectly into the running kernel.

The bld-2.6.18-8.el5-x86\_64smp-RHEL5 - vsock module loads perfectly into the running kernel.

The bld-2.6.18-8.el5-x86\_64smp-RHEL5 - vmxnet3 module loads perfectly into the running kernel.

The bld-2.6.18-8.el5-x86\_64smp-RHEL5 - pvscsi module loads perfectly into the running kernel.

No X install found.

Creating a new initrd boot image for the kernel.

Starting VMware Tools services in the virtual machine:  
Switching to guest configuration: [ OK ]  
Paravirtual SCSI module: [ OK ]  
Guest memory manager: [ OK ]  
VM communication interface: [ OK ]  
VM communication interface socket family: [ OK ]  
Guest operating system daemon: [ OK ]

The configuration of VMware Tools 4.0.0 build-261974 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 the following command:  
"/usr/bin/vmware-toolbox" during an X server session.

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 /mnt. Ejecting device /dev/cdrom ...  
No eject (or equivalent) command could be located.  
Eject Failed: If possible manually eject the Tools installer from the guest cdrom mounted at /mnt before cancelling tools install on the host.

9. Unmount the cd/dvd drive and shutdown the EVM Appliance by typing the following commands:

```
umount /mnt
```

```
shutdown -h 0
```

Note: If you get an error that you are unable to unmount, be sure that you are not in the `mnt` directory by typing `cd /root`

10. Remove the CD/DVD drive using the vSphere client by editing the EVM Appliance's settings.
11. Start the EVM Appliance.
12. Verify the tools are running by typing:

```
/etc/init.d/vmware-tools status
```

13. Optional: Remove the installation materials by typing:

```
rm -f /tmp/VMwareTools-4.0.0-261974.tar.gz
```

```
rm -rf /tmp/vmware-tools-distrib/
```

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