To install VMware Tools in a Linux guest operating system using Compiler

To install VMware Tools in a Linux guest operating system using Compiler:

Ensure that your Linux virtual machine is powered on.

If you are running a GUI interface, open a command shell.

Note: Log in as a root user, or use the sudo command to complete each of these steps.

Click VM in the virtual machine menu, then click Guest > Install/Upgrade VMware Tools.
Click OK.

Note: In some cases, verify that the CDROM device is Connected from within the Edit Settings option of the virtual machine.

To create a mount point, run:

```
mkdir /mnt/cdrom
```

To mount the CDROM, run:

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

To copy the Compiler gzip tar file to a temporary local directory, run:

```
cp /mnt/cdrom/VMwareTools-version.tar.gz /tmp/
```

Where version is the VMware Tools package version.

To determine the version of VMware tools, run:

```
ls /mnt/cdrom
```

You see output similar to:

```
# VMwareTools-5.0.0-12124.tar.gz
```

Then change to the tmp directory and extract the contents of the tar file into a new directory called vmware-tools-distrib, run:

```
cd /tmp
tar -zxvf VMwareTools-version.tar.gz
```

To change directory to vmware-tools-distrib and run the vmware-install.pl PERL script to install VMware Tools, run:

```
cd vmware-tools-distrib
./vmware-install.pl
```

If you are running a GUI interface, restart your X Window session for any mouse or graphics changes to take effect.

To start VMware Tools running in the background during an X Window session, run:

```
/usr/bin/vmware-toolbox &
```

Depending on your environment, you may need to unmount the CD-ROM. To unmount the CD-ROM, run:

```
umount /mnt/cdrom
```

Depending on your environment, you may need to manually end the VMware Tools installation. To end the VMware Tools install, click VM in the virtual machine menu, then click Guest > End VMware Tools Install.

To remove VMware Tools installation packages, run:

```
cd
rm /tmp/VMwareTools-version.tar.gz
rm -rf /tmp/vmware-tools-distrib
```

eg :

```
[root@edbjr2p1 vmware-tools-distrib]# ./vmware-install.pl
A previous installation of VMware Tools has been detected.

The previous installation was made by the tar installer (version 4).

Keeping the tar4 installer database format.

You have a version of VMware Tools installed.  Continuing this install will
first uninstall the currently installed version.  Do you wish to continue?
(yes/no) [yes] yes

Uninstalling the tar installation of VMware Tools.

Stopping services for VMware Tools

Stopping VMware Tools services in the virtual machine:
   Guest operating system daemon:                          [  OK  ]
   VGAuthService:                                          [  OK  ]
   VMware User Agent (vmware-user):                        [  OK  ]
   Blocking file system:                                   [  OK  ]
   Unmounting HGFS shares:                                 [  OK  ]
   Guest filesystem driver:                                [  OK  ]
   Guest memory manager:                                   [  OK  ]
   VM communication interface socket family:               [  OK  ]
   VM communication interface:                             [  OK  ]

Stopping Thinprint services in the virtual machine:
   Stopping Virtual Printing daemon:                                  done

File /etc/X11/xorg.conf is backed up to /etc/X11/xorg.conf.old.2.

The removal of VMware Tools 10.0.6 build-3595377 for Linux completed
successfully.

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]

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-3595377 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...


Making sure services for VMware Tools are stopped.

Stopping Thinprint services in the virtual machine:
   Stopping Virtual Printing daemon:                                    done
Stopping VMware Tools services in the virtual machine:
   Guest operating system daemon:                                  [  OK  ]
   VGAuthService:                                                  [  OK  ]
   VMware User Agent (vmware-user):                                [  OK  ]
   Blocking file system:                                           [  OK  ]
   Unmounting HGFS shares:                                         [  OK  ]
   Guest filesystem driver:                                        [  OK  ]
   Guest memory manager:                                           [  OK  ]
   VM communication interface socket family:                       [  OK  ]
   VM communication interface:                                     [  OK  ]
```

The VMware FileSystem Sync Driver (vmsync) allows external third-party backup software that is integrated with vSphere to create backups of the virtual machine. Do you wish to enable this feature? [no]

Found a compatible pre-built module for vmci. Installing it...

Found a compatible pre-built module for vsock. Installing it...

Found a compatible pre-built module for vmxnet3. Installing it...

Found a compatible pre-built module for pvscsi. Installing it...

Found a compatible pre-built module for vmmemctl. Installing it...

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? [yes]

Found a compatible pre-built module for vmhgfs. Installing it...

Found a compatible pre-built module for vmxnet. Installing it...

The vmblock enables dragging or copying files between host and guest in a Fusion or Workstation virtual environment. Do you wish to enable this feature? [yes]

Found a compatible pre-built module for vmblock. Installing it...

VMware automatic kernel modules enables automatic building and installation of VMware kernel modules at boot that are not already present. This feature can be enabled/disabled by re-running vmware-config-tools.pl.

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

Thinprint provides driver-free printing. Do you wish to enable this feature? [yes]

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

Detected X version 7.1

Do you want to change the starting screen display size? (yes/no) [no]

```
X is running fine with the new config file.

Creating a new initrd boot image for the kernel.

NOTE: both /etc/vmware-tools/GuestProxyData/server/key.pem and
      /etc/vmware-tools/GuestProxyData/server/cert.pem already exist.
      They are not generated again. To regenerate them by force,
      use the "vmware-guestproxycerttool -g -f" command.

   Starting Virtual Printing daemon:                                  done
   Checking acpi hot plug                              [  OK  ]
Starting VMware Tools services in the virtual machine:
   Switching to guest configuration:                   [  OK  ]
   Paravirtual SCSI module:                            [  OK  ]
   Guest memory manager:                               [  OK  ]
   Guest vmxnet fast network device:                   [  OK  ]
   VM communication interface:                         [  OK  ]
   VM communication interface socket family:           [  OK  ]
   Guest filesystem driver:                            [  OK  ]
   Mounting HGFS shares:                               [  OK  ]
   Blocking file system:                               [  OK  ]
   VMware User Agent:                                  [  OK  ]
   Guest operating system daemon:                      [  OK  ]
   VGAuthService:                                      [  OK  ]
The configuration of VMware Tools 10.0.6 build-3595377 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.

to use the vmxnet driver, either reboot or
1. stop networking or stop any interface using the vmxnet or pcnet32 driver
2. remove the pcnet32 module with 'rmmod pcnet32'
3. remove the vmxnet module with 'rmmod vmxnet'
4. load the vmxnet module with 'modprobe -v vmxnet'
5. and restart networking or restart the stopped network interfaces

Enjoy,

--the VMware team

Found VMware Tools CDROM mounted at /media/VMware Tools. Ejecting device
/dev/hdc ...
[root@edbjr2p1 vmware-tools-distrib]#
```