

Assignment: Advanced Bash

Ubuntu trusty package was installed using

```
rarjune@sandbox:~$ sudo apt-get install patch
```

Here's the progress of the installation:

```
Ign http://us.archive.ubuntu.com trusty InRelease
Ign http://security.ubuntu.com trusty-security InRelease
Ign http://us.archive.ubuntu.com trusty-updates InRelease
Ign http://us.archive.ubuntu.com trusty-backports InRelease
Get: 1 http://security.ubuntu.com trusty-security Release.gpg [933 B]
Hit http://us.archive.ubuntu.com trusty Release.gpg
Get: 2 http://us.archive.ubuntu.com trusty-updates Release.gpg [933 B]
Hit http://us.archive.ubuntu.com trusty-backports Release.gpg
Get: 3 http://security.ubuntu.com trusty-security Release [63.5 kB]
Hit http://us.archive.ubuntu.com trusty Release
Get: 4 http://us.archive.ubuntu.com trusty-updates Release [63.5 kB]
Hit http://us.archive.ubuntu.com trusty-backports Release
Hit http://us.archive.ubuntu.com trusty/main Sources
Hit http://us.archive.ubuntu.com trusty/restricted Sources
Get: 5 http://security.ubuntu.com trusty-security/main Sources [75.7 kB]
Hit http://us.archive.ubuntu.com trusty/universe Sources
Hit http://us.archive.ubuntu.com trusty/multiverse Sources
Hit http://us.archive.ubuntu.com trusty/main amd64 Packages
Hit http://us.archive.ubuntu.com trusty/restricted amd64 Packages
Hit http://us.archive.ubuntu.com trusty/universe amd64 Packages
Hit http://us.archive.ubuntu.com trusty/multiverse amd64 Packages
Hit http://us.archive.ubuntu.com trusty/main i386 Packages
Hit http://us.archive.ubuntu.com trusty/restricted i386 Packages
Get: 6 http://security.ubuntu.com trusty-security/restricted Sources [2,061 B]
Hit http://us.archive.ubuntu.com trusty/universe i386 Packages
Get: 7 http://security.ubuntu.com trusty-security/universe Sources [18.0 kB]
Hit http://us.archive.ubuntu.com trusty/multiverse i386 Packages
Hit http://us.archive.ubuntu.com trusty/main Translation-en
Hit http://us.archive.ubuntu.com trusty/multiverse Translation-en
Get: 8 http://security.ubuntu.com trusty-security/multiverse Sources [1,905 B]
Hit http://us.archive.ubuntu.com trusty/restricted Translation-en
Get: 9 http://security.ubuntu.com trusty-security/main amd64 Packages [251 kB]
Hit http://us.archive.ubuntu.com trusty/universe Translation-en
Get: 10 http://us.archive.ubuntu.com trusty-updates/main Sources [189 kB]
Get: 11 http://security.ubuntu.com trusty-security/restricted amd64 Packages [8,875 B]
Get: 12 http://security.ubuntu.com trusty-security/universe amd64 Packages [89.7 kB]
Get: 13 http://us.archive.ubuntu.com trusty-updates/restricted Sources [2,564 B]
Get: 14 http://us.archive.ubuntu.com trusty-updates/universe Sources [107 kB]
Get: 15 http://us.archive.ubuntu.com trusty-updates/multiverse Sources [4,765 B]
Get: 16 http://security.ubuntu.com trusty-security/multiverse amd64 Packages [3,459 B]
Get: 17 http://us.archive.ubuntu.com trusty-updates/main amd64 Packages [488 kB]
Get: 18 http://security.ubuntu.com trusty-security/main i386 Packages [241 kB]
Get: 19 http://security.ubuntu.com trusty-security/restricted i386 Packages [8,846 B]
Get: 20 http://security.ubuntu.com trusty-security/universe i386 Packages [89.6 kB]
Get: 21 http://security.ubuntu.com trusty-security/multiverse i386 Packages [3,628 B]
Hit http://security.ubuntu.com trusty-security/main Translation-en
Hit http://security.ubuntu.com trusty-security/multiverse Translation-en
Hit http://security.ubuntu.com trusty-security/restricted Translation-en
```

```

Get: 22 http://us.archive.ubuntu.com trusty-updates/restricted amd64 Packages [9,238 B]
Get: 23 http://us.archive.ubuntu.com trusty-updates/universe amd64 Packages [261 kB]
Get: 24 http://us.archive.ubuntu.com trusty-updates/multiverse amd64 Packages [11.7 kB]
Get: 25 http://us.archive.ubuntu.com trusty-updates/main i386 Packages [477 kB]
Get: 26 http://us.archive.ubuntu.com trusty-updates/restricted i386 Packages [9,256 B]
Get: 27 http://us.archive.ubuntu.com trusty-updates/universe i386 Packages [261 kB]
Get: 28 http://us.archive.ubuntu.com trusty-updates/multiverse i386 Packages [11.9 kB]
Hit http://us.archive.ubuntu.com trusty-updates/main Translation-en
Hit http://us.archive.ubuntu.com trusty-updates/multiverse Translation-en
Hit http://us.archive.ubuntu.com trusty-updates/restricted Translation-en
Hit http://us.archive.ubuntu.com trusty-updates/universe Translation-en
Hit http://us.archive.ubuntu.com trusty-backports/main Sources
Hit http://us.archive.ubuntu.com trusty-backports/restricted Sources
Hit http://us.archive.ubuntu.com trusty-backports/universe Sources
Hit http://us.archive.ubuntu.com trusty-backports/multiverse Sources
Hit http://us.archive.ubuntu.com trusty-backports/main amd64 Packages
Hit http://us.archive.ubuntu.com trusty-backports/restricted amd64 Packages
Hit http://us.archive.ubuntu.com trusty-backports/universe amd64 Packages
Hit http://us.archive.ubuntu.com trusty-backports/multiverse amd64 Packages
Hit http://us.archive.ubuntu.com trusty-backports/main i386 Packages
Hit http://us.archive.ubuntu.com trusty-backports/restricted i386 Packages
Hit http://us.archive.ubuntu.com trusty-backports/universe i386 Packages
Hit http://us.archive.ubuntu.com trusty-backports/multiverse i386 Packages
Hit http://us.archive.ubuntu.com trusty-backports/main Translation-en
Hit http://us.archive.ubuntu.com trusty-backports/multiverse Translation-en
Hit http://us.archive.ubuntu.com trusty-backports/restricted Translation-en
Hit http://us.archive.ubuntu.com trusty-backports/universe Translation-en
Ign http://us.archive.ubuntu.com trusty/main Translation-en_US
Ign http://us.archive.ubuntu.com trusty/multiverse Translation-en_US
Ign http://us.archive.ubuntu.com trusty/restricted Translation-en_US
Ign http://us.archive.ubuntu.com trusty/universe Translation-en_US
Fetched 2,755 kB in 18s (146 kB/s)

```

VM tools were intalled along with the following packages:
 NEW packages was installed: libdumbnet1 open-vm-tools zerofree,
 open-vm-tools-desktop and libdumbnet1 open-vm-tools zerofree

```

*** System restart required ***
Last login: Sun Mar 29 09:08:11 2015 from 10.0.2.2
rarjune@sandbox:~$ sudo apt-get install open-vm-tools
[sudo] password for rarjune:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  linux-headers-3.13.0-32 linux-headers-3.13.0-32-generic
  linux-image-3.13.0-32-generic linux-image-extra-3.13.0-32-generic
Use 'apt-get autoremove' to remove them.
The following extra packages will be installed:
  libdumbnet1 zerofree
Suggested packages:
  open-vm-tools-desktop
The following NEW packages will be installed:
  libdumbnet1 open-vm-tools zerofree
0 upgraded, 3 newly installed, 0 to remove and 0 not upgraded.
Need to get 486 kB of archives.
After this operation, 2,830 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us.archive.ubuntu.com/ubuntu/ trusty/main libdumbnet1 amd64 1.12-4build1 [25.7 kB]
Get:2 http://us.archive.ubuntu.com/ubuntu/ trusty-updates/main open-vm-tools amd64 2:9.4.0-128054
4-5ubuntu6.2 [452 kB]
Get:3 http://us.archive.ubuntu.com/ubuntu/ trusty/main zerofree amd64 1.0.2-1ubuntu1 [8,654 B]
Fetched 486 kB in 2s (240 kB/s)
Selecting previously unselected package libdumbnet1.
(Reading database ... 123546 files and directories currently installed.)
Preparing to unpack .../libdumbnet1_1.12-4build1_amd64.deb ...
Unpacking libdumbnet1 (1.12-4build1) ...
Selecting previously unselected package open-vm-tools.
Preparing to unpack .../open-vm-tools_2%3a9.4.0-1280544-5ubuntu6.2_amd64.deb ...
Unpacking open-vm-tools (2:9.4.0-1280544-5ubuntu6.2) ...
Selecting previously unselected package zerofree.
Preparing to unpack .../zerofree_1.0.2-1ubuntu1_amd64.deb ...
Unpacking zerofree (1.0.2-1ubuntu1) ...
Processing triggers for man-db (2.6.7.1-1ubuntu1) ...
Processing triggers for ureadahead (0.100.0-16) ...
Setting up libdumbnet1 (1.12-4build1) ...
Setting up open-vm-tools (2:9.4.0-1280544-5ubuntu6.2) ...
open-vm-tools: not starting as this is not a VMware VM
Setting up zerofree (1.0.2-1ubuntu1) ...
Processing triggers for libc-bin (2.19-0ubuntu6.6) ...
Processing triggers for ureadahead (0.100.0-16) ...
rarjune@sandbox:~$ █

```

