Mitesh Soni

Video 4.4 Converging a Chef Node Using a Chef Workstation

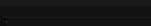


In this Video, we are going to take a look at...

- Setting up runtime environment in node using Chef workstation
- Creating a virtual machine using VMware Workstation or VirtualBox







user@localhost:~

(t) () -

```
File Edit View Search Terminal Help
```

[user@localhost ~]\$ ifconfig enp2s0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500 inet 192.168.6.246 netmask 255.255.252.0 broadcast 192.168.7.255 inet6 fe80::21f:d0ff:fee6:6d98 prefixlen 64 scopeid 0x20<link> ether 00:1f:d0:e6:6d:98 txqueuelen 1000 (Ethernet)

RX packets 99306 bytes 37827962 (36.0 MiB) RX errors 0 dropped 0 overruns 0 frame 0 TX packets 18914 bytes 1971693 (1.8 MiB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,L00PBACK,RUNNING> mtu 65536 inet 127.0.0.1 netmask 255.0.0.0 inet6 :: 1 prefixlen 128 scopeid 0x10<host> loop txqueuelen 0 (Local Loopback) RX packets 116 bytes 7032 (6.8 KiB)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 116 bytes 7032 (6.8 KiB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

virbr0: flags=4099<UP, BROADCAST, MULTICAST> mtu 1500

inet 192.168.122.1 netmask 255.255.255.0 broadcast 192.168.122.255

ether 52:54:00:7d:6d:83 txqueuelen 0 (Ethernet)

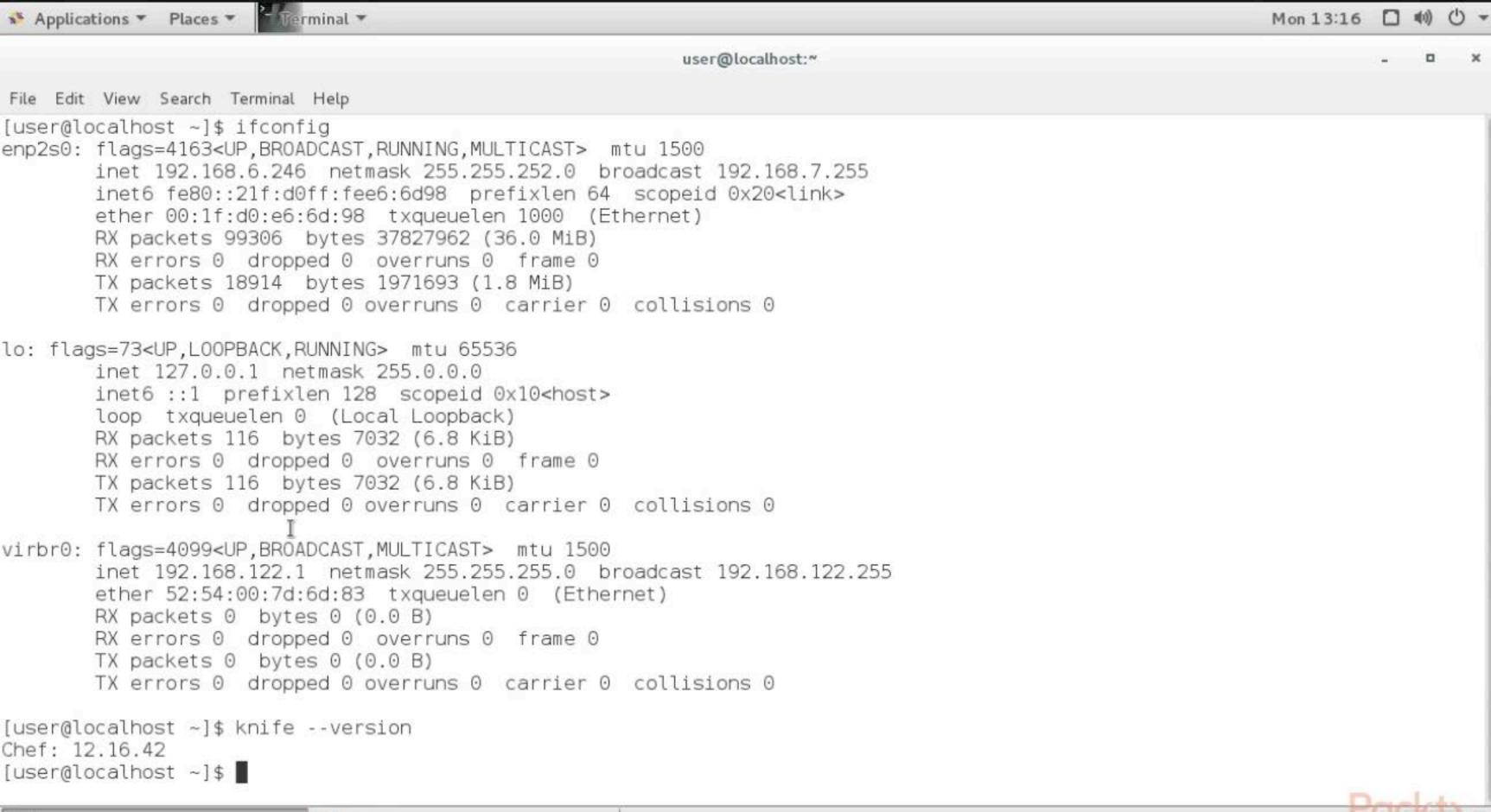
RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

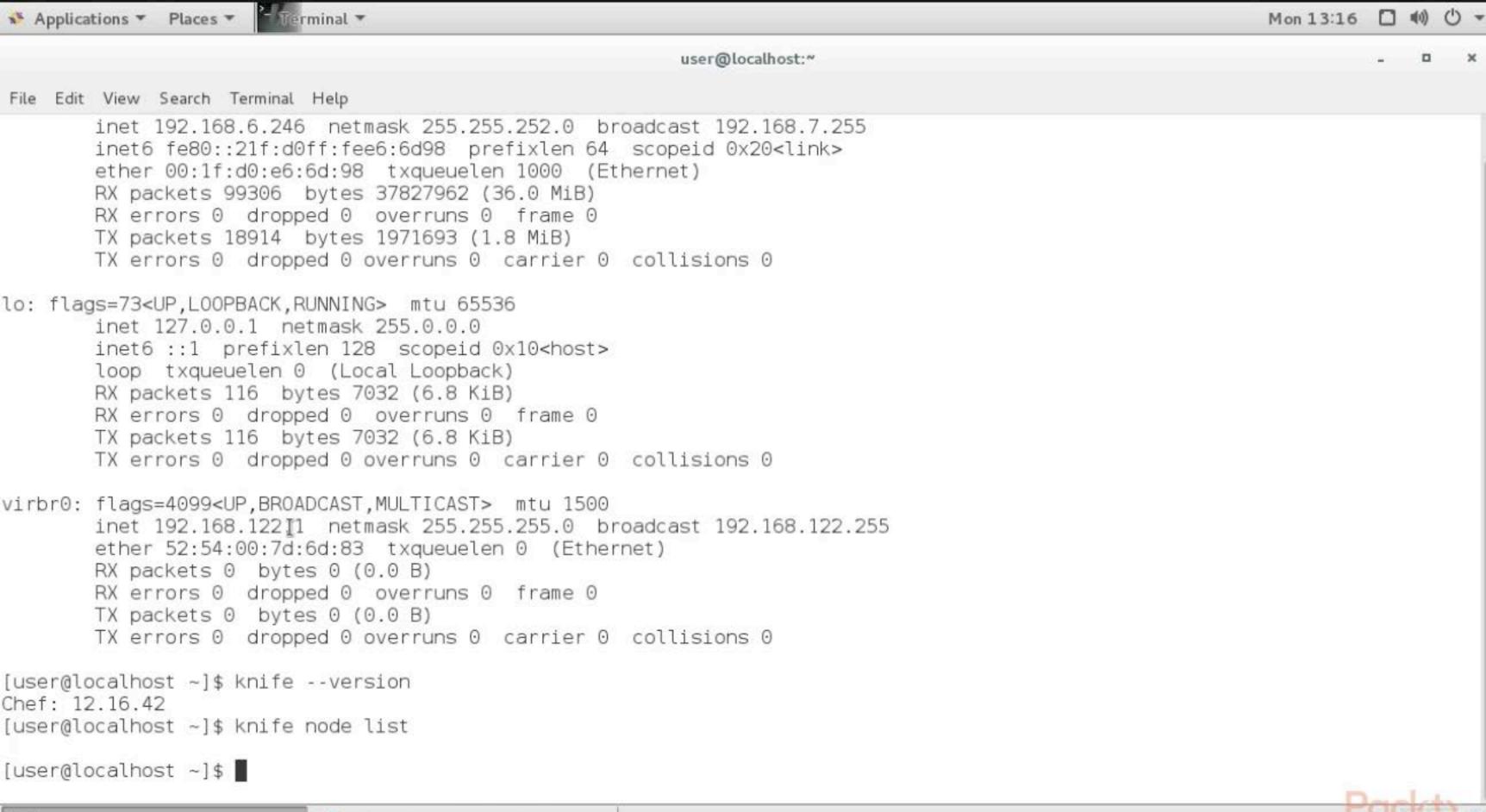
TX packets 0 bytes 0 (0.0 B)

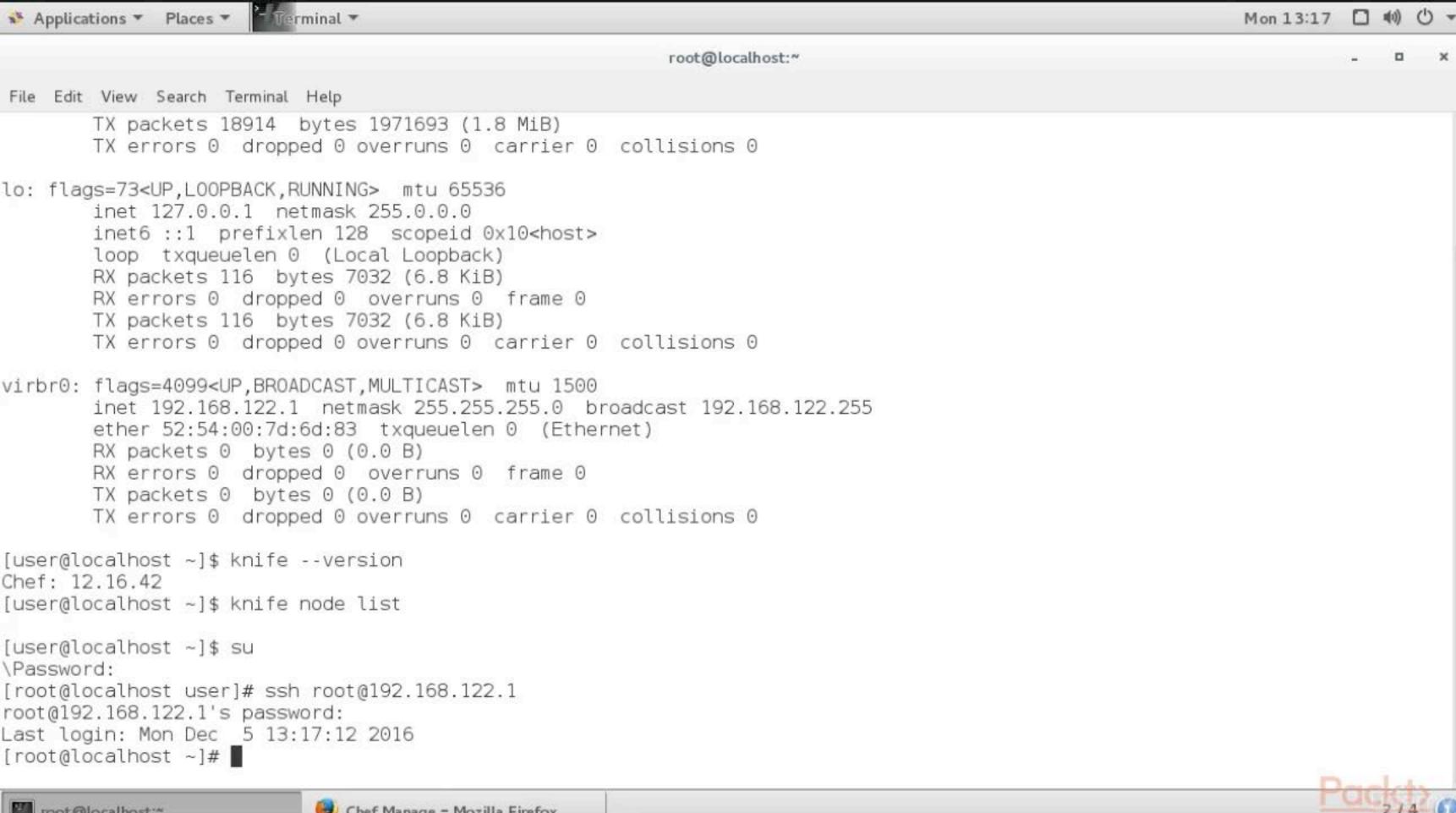
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

[user@localhost ~]\$









File Edit View Search Terminal Help

root@192.168.122.1's password: Last login: Mon Dec 5 13:17:12 2016

[root@localhost ~]# ifconfig

enp2s0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet 192.168.6.246 netmask 255.255.252.0 broadcast 192.168.7.255

inet6 fe80::21f:d0ff:fee6:6d98 prefixlen 64 scopeid 0x20<link>

ether 00:1f:d0:e6:6d:98 txqueuelen 1000 (Ethernet)

RX packets 106147 bytes 38369129 (36.5 MiB)

RX errors 0 dropped 0 overruns 0 frame 0 TX packets 19280 bytes 2013374 (1.9 MiB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,L00PBACK,RUNNING> mtu 65536

inet 127.0.0.1 netmask 255.0.0.0

inet6 ::1 prefixlen 128 scopeid 0x10<host>

loop txqueuelen 0 (Local Loopback)

RX packets 194 bytes 18562 (18.1 KiB)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 194 bytes 18562 (18.1 KiB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

virbr0: flags=4099<UP, BROADCAST, MULTICAST> mtu 1500

inet 192.168.122.1 netmask 255.255.255.0 broadcast 192.168.122.255

ether 52:54:00:7d:6d:83 txqueuelen 0 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 0 bytes 0 (0.0 B)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

[root@localhost ~]#

Chef Client

```
# rpm -qa *chef*
```



Remove Chef Client

yum remove chef-12.3.0-1.el6.x86_64



Verification of Remove Chef Client

chef-client -version



Remove Tomcat Installation

yum remove tomcat6



JDK Command

java -version





File Edit View Search Terminal Help

[root@localhost ~]# knife bootstrap 192.168.122.1 -x root -P pass123 -N tomcatserver

WARNING: No knife configuration file found

WARN: Failed to read the private key /etc/chef/client.pem: #<Errno::ENOENT: No such file or directory @ rb_sysopen - /etc/chef

/client.pem>

ERROR: Your private key could not be loaded from /etc/chef/client.pem

Check your configuration file and ensure that your private key is readable

[root@localhost ~]# cd '/home/user/Desktop/chef/chef-repo'

[root@localhost chef-repo]# knife bootstrap 192.168.122.1 -x root -P pass123 -N tomcatserver

Creating new client for tomcatserver

Creating new node for tomcatserver

Connecting to 192.168.122.1

192.168.122.1 ----> Existing Chef installation detected

192.168.122.1 Starting the first Chef Client run...

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root@localhost:/home/user/Desktop/chef/chef-repo

File Edit View Search Terminal Help [root@localhost ~]# knife bootstrap 192.168.122.1 -x root -P pass123 -N tomcatserver WARNING: No knife configuration file found WARN: Failed to read the private key /etc/chef/client.pem: #<Errno::ENOENT: No such file or directory @ rb_sysopen - /etc/chef /client.pem> ERROR: Your private key could not be loaded from /etc/chef/client.pem Check your configuration file and ensure that your private key is readable [root@localhost ~]# cd '/home/user/Desktop/chef/chef-repo' [root@localhost chef-repo]# knife bootstrap 192.168.122.1 -x root -P pass123 -N tomcatserver Creating new client for tomcatserver Creating new node for tomcatserver

Connecting to 192.168.122.1

192.168.122.1 ----> Existing Chef installation detected

192.168.122.1 Starting the first Chef Client run...

192.168.122.1 Starting Chef Client, version 12.16.42

192.168.122.1 resolving cookbooks for run list: []

192.168.122.1 Synchronizing Cookbooks:

192.168.122.1 Installing Cookbook Gems:

192.168.122.1 Compiling Cookbooks...

192.168.122.1 [2016-12-05T13:30:14+05:30] WARN: Node tomcatserver has an empty run list.

192.168.122.1 Converging 0 resources

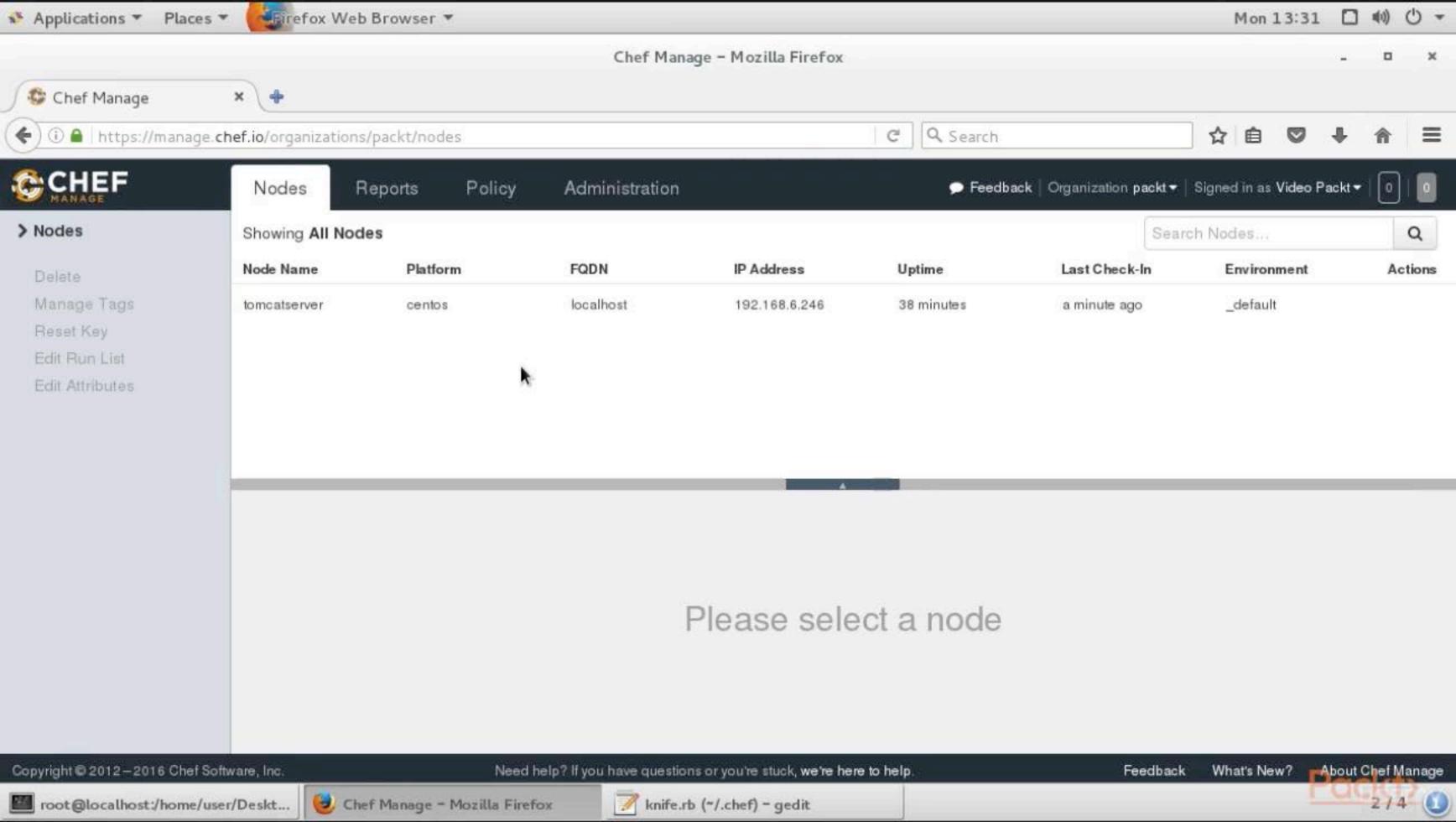
192.168.122.1

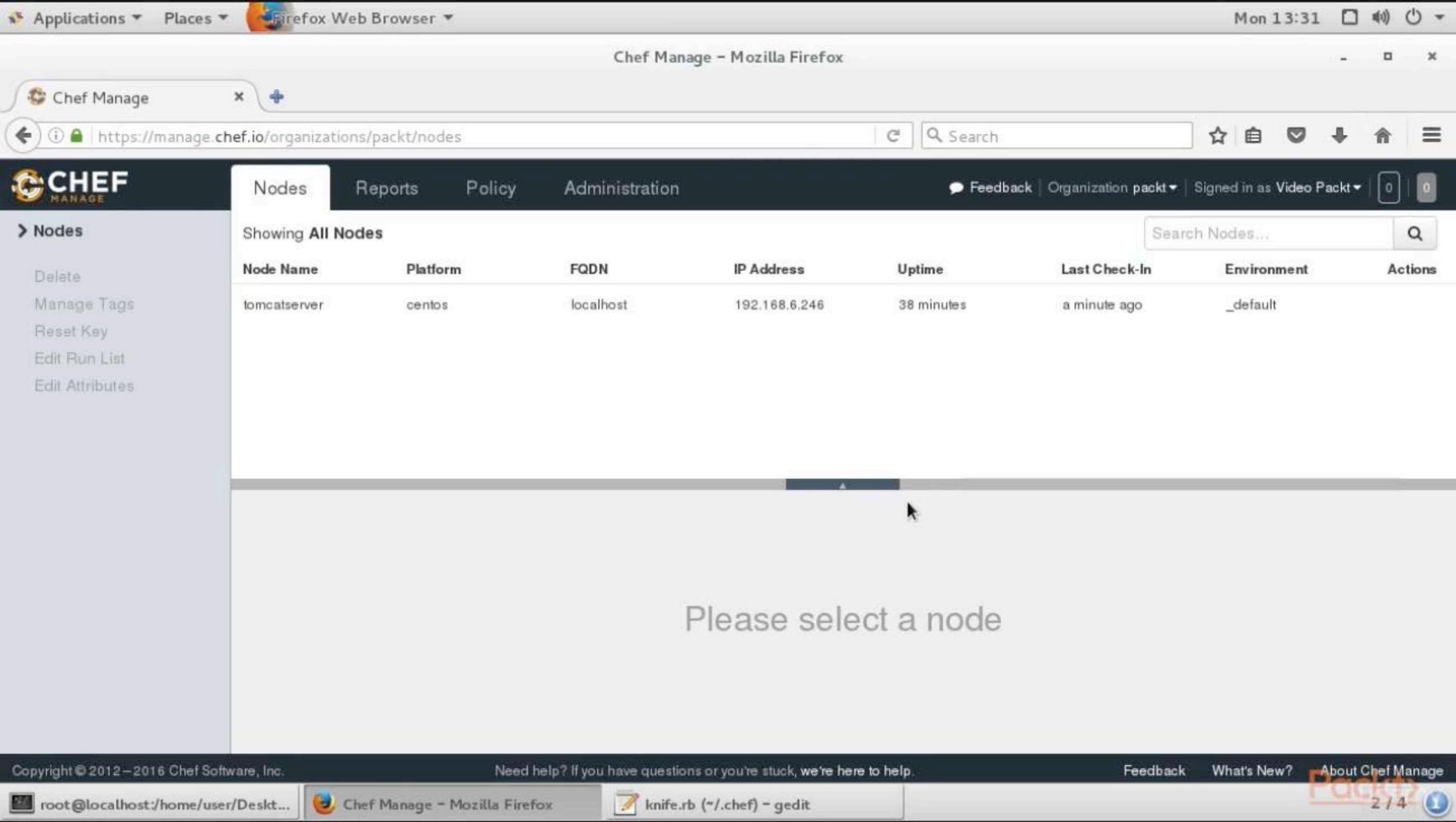
192.168.122.1 Running handlers:

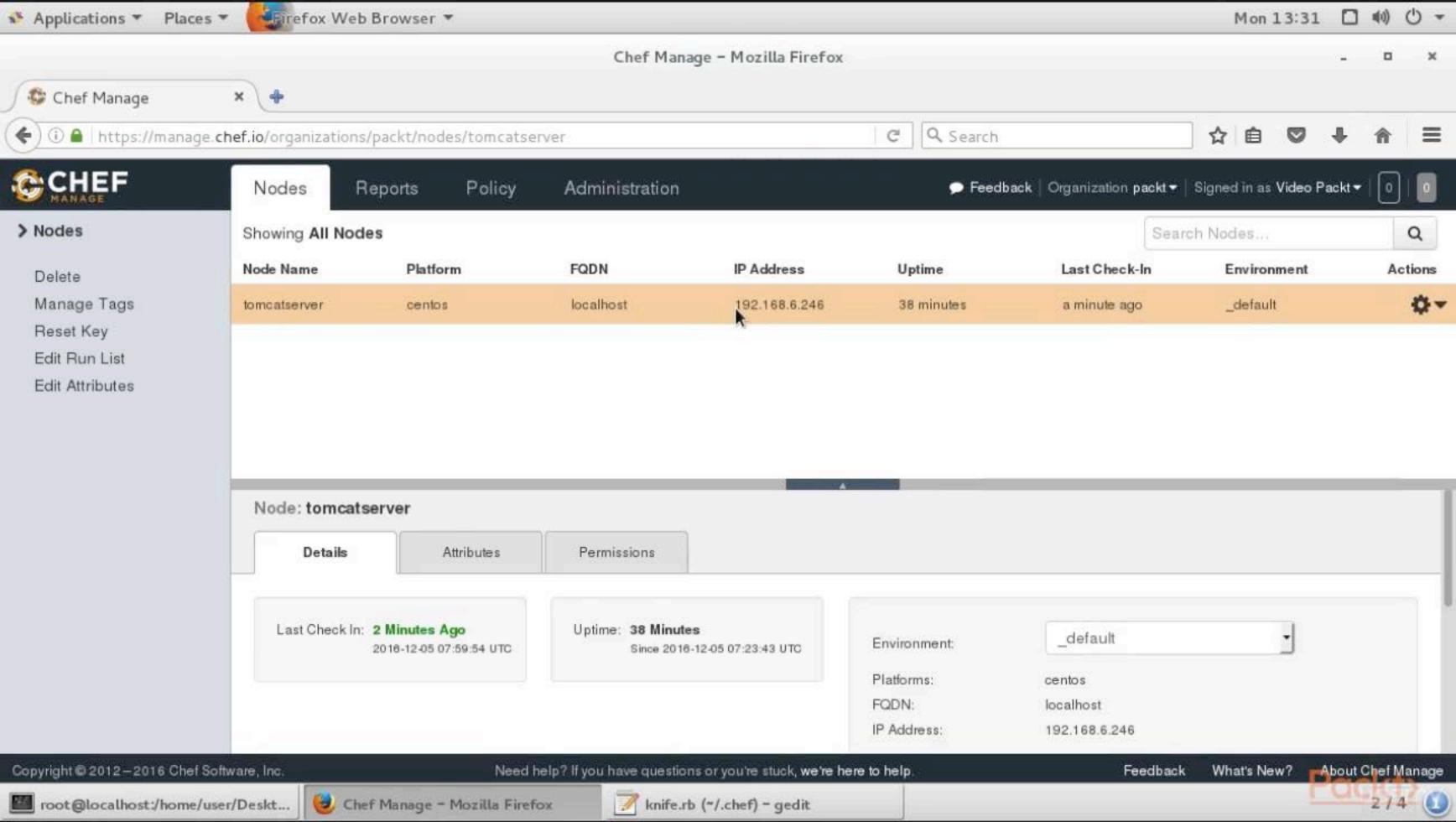
192.168.122.1 Running handlers complete

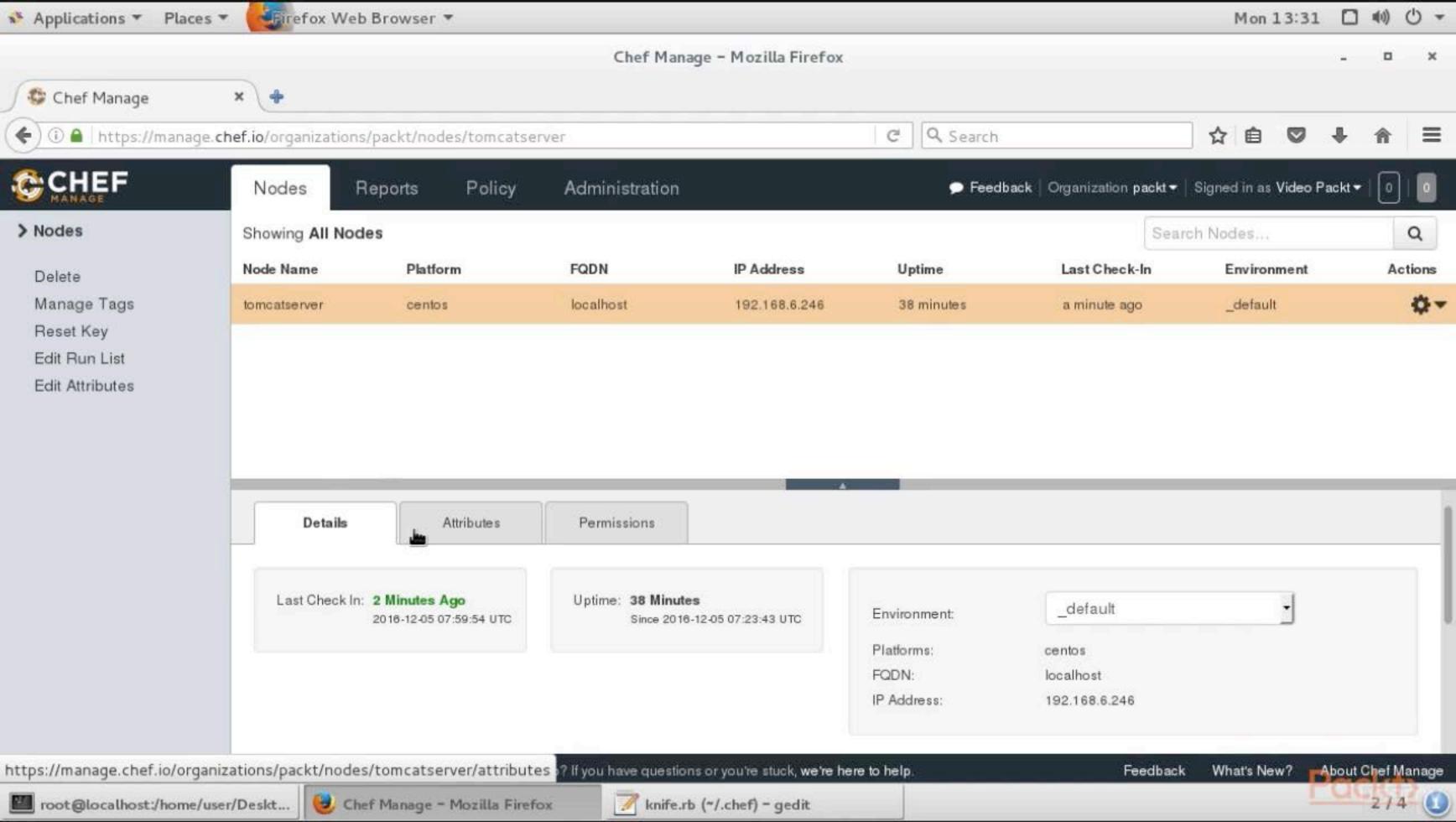
192.168.122.1 Chef Client finished, 0/0 resources updated in 35 seconds

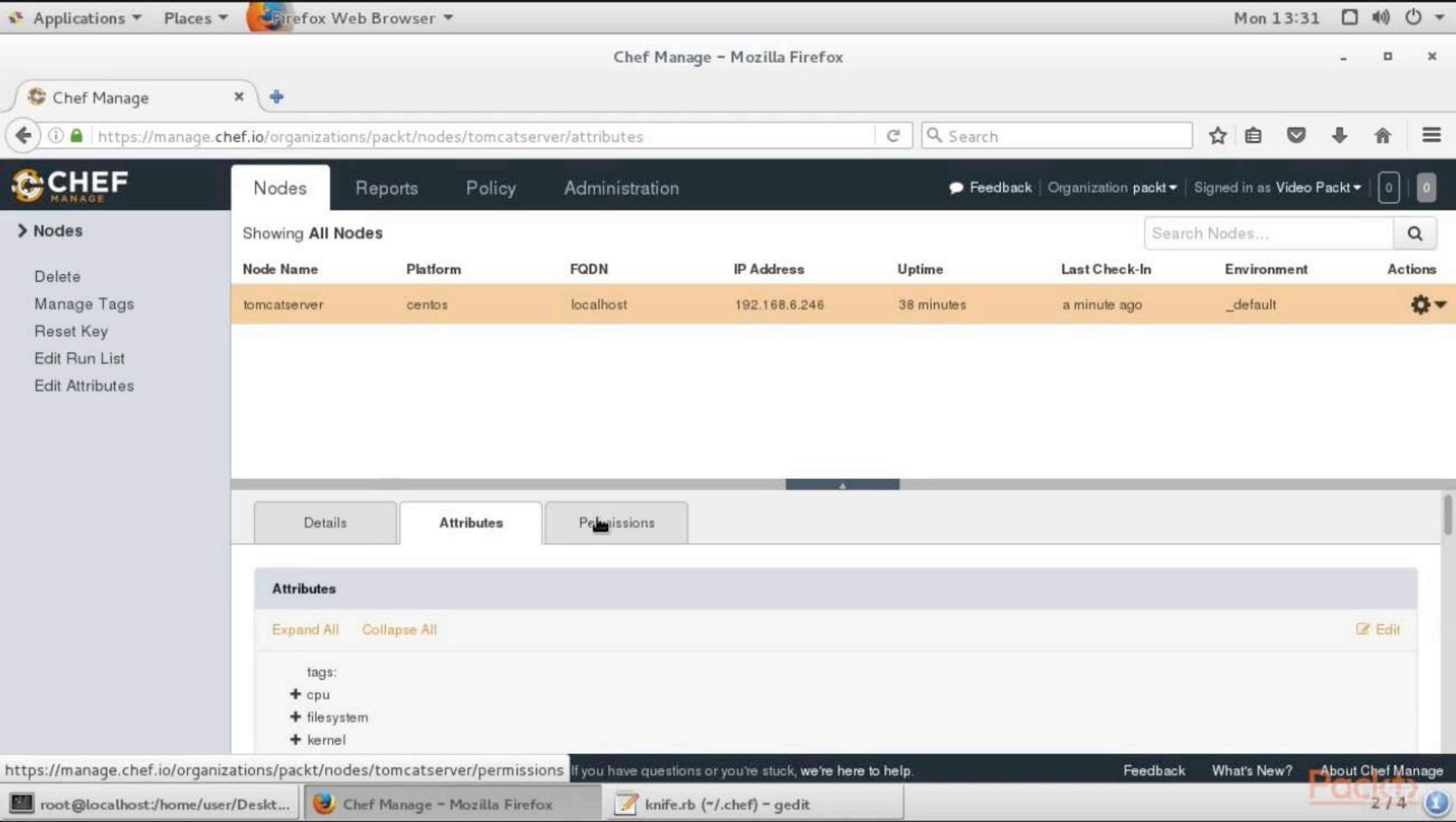
[root@localhost chef-repo]#

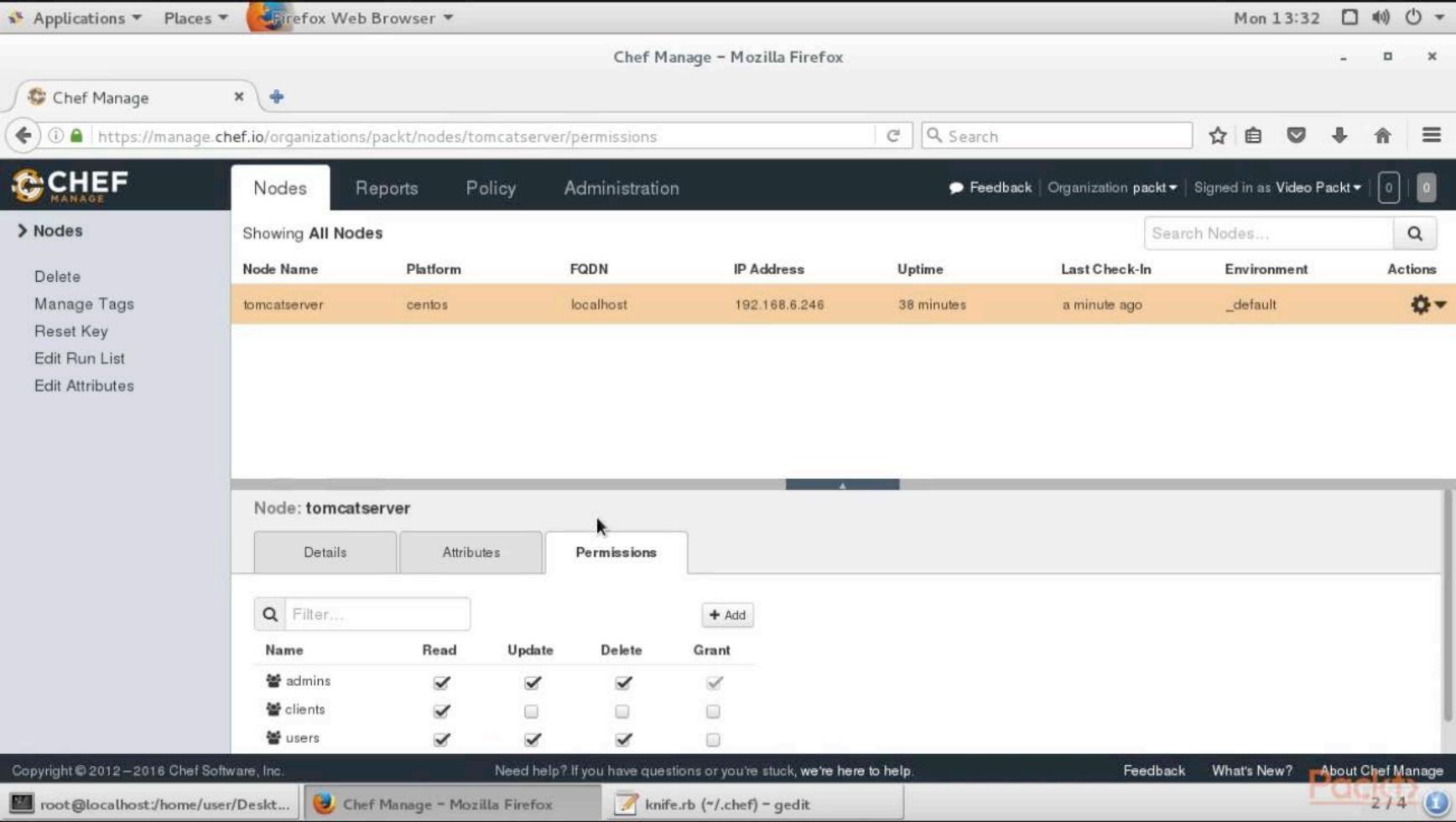


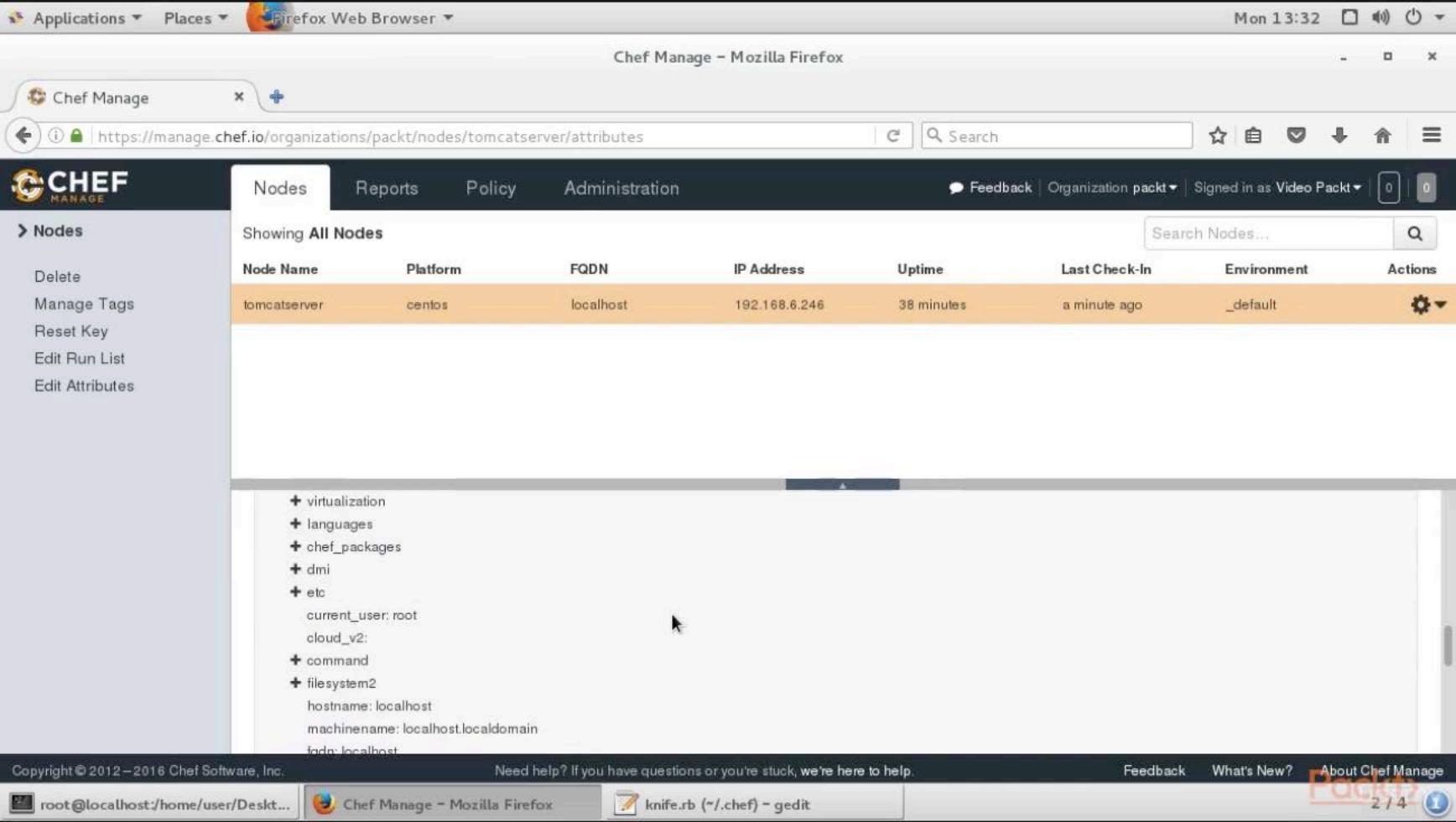


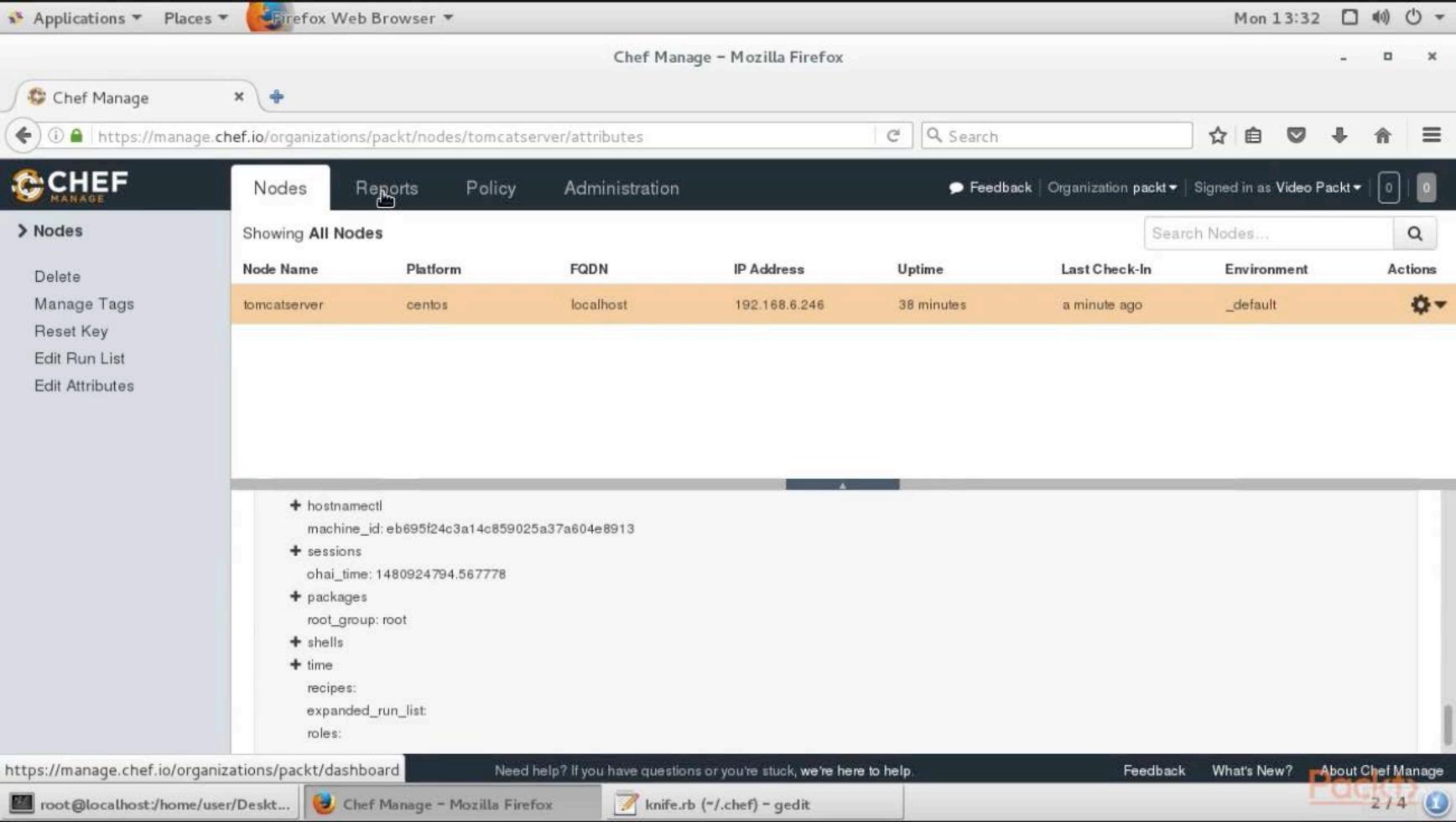


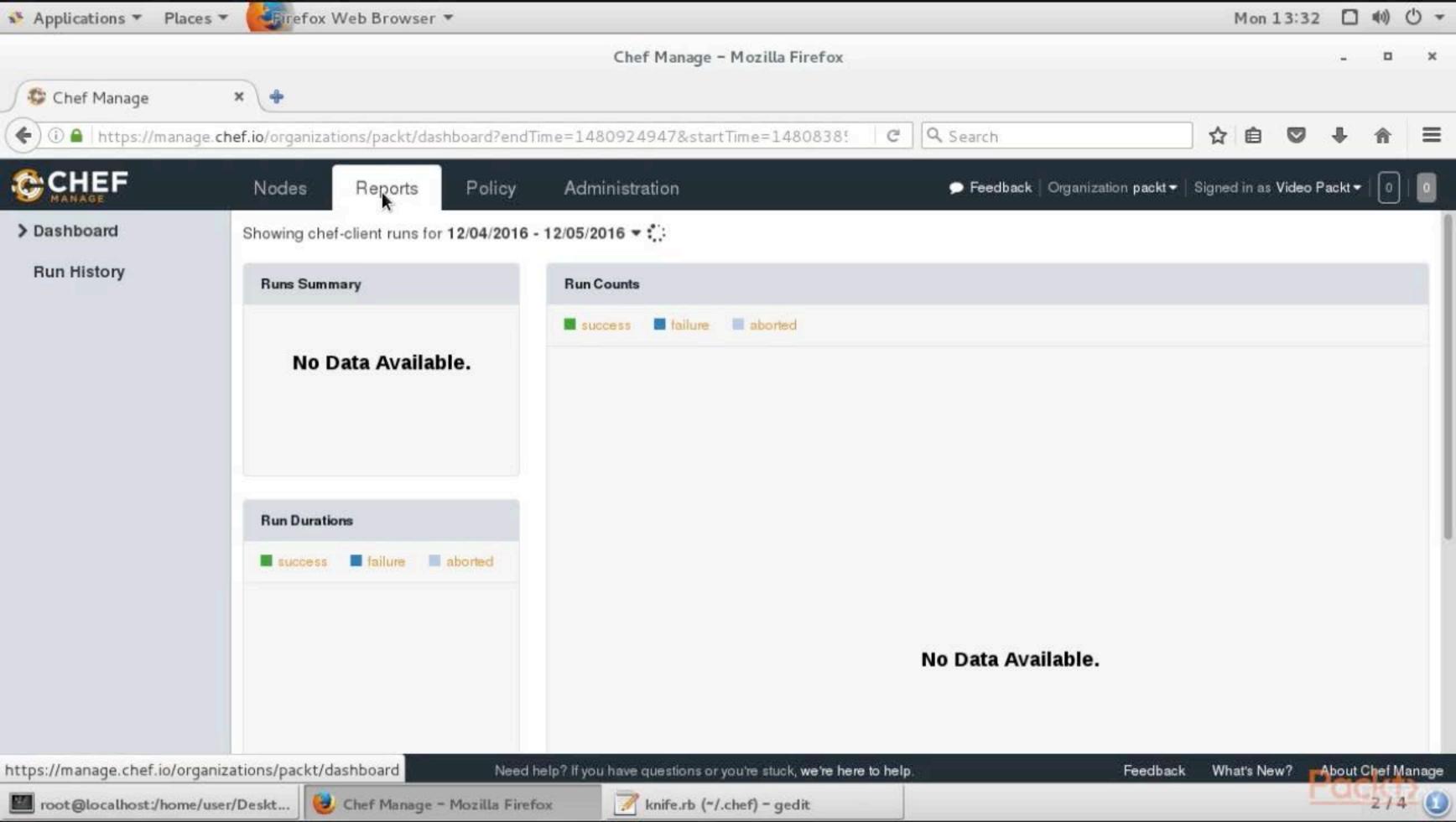












Next Video

Installing Software Packages Using Cookbooks



Next Video

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