DevOps for Web Developers

Mitesh Soni

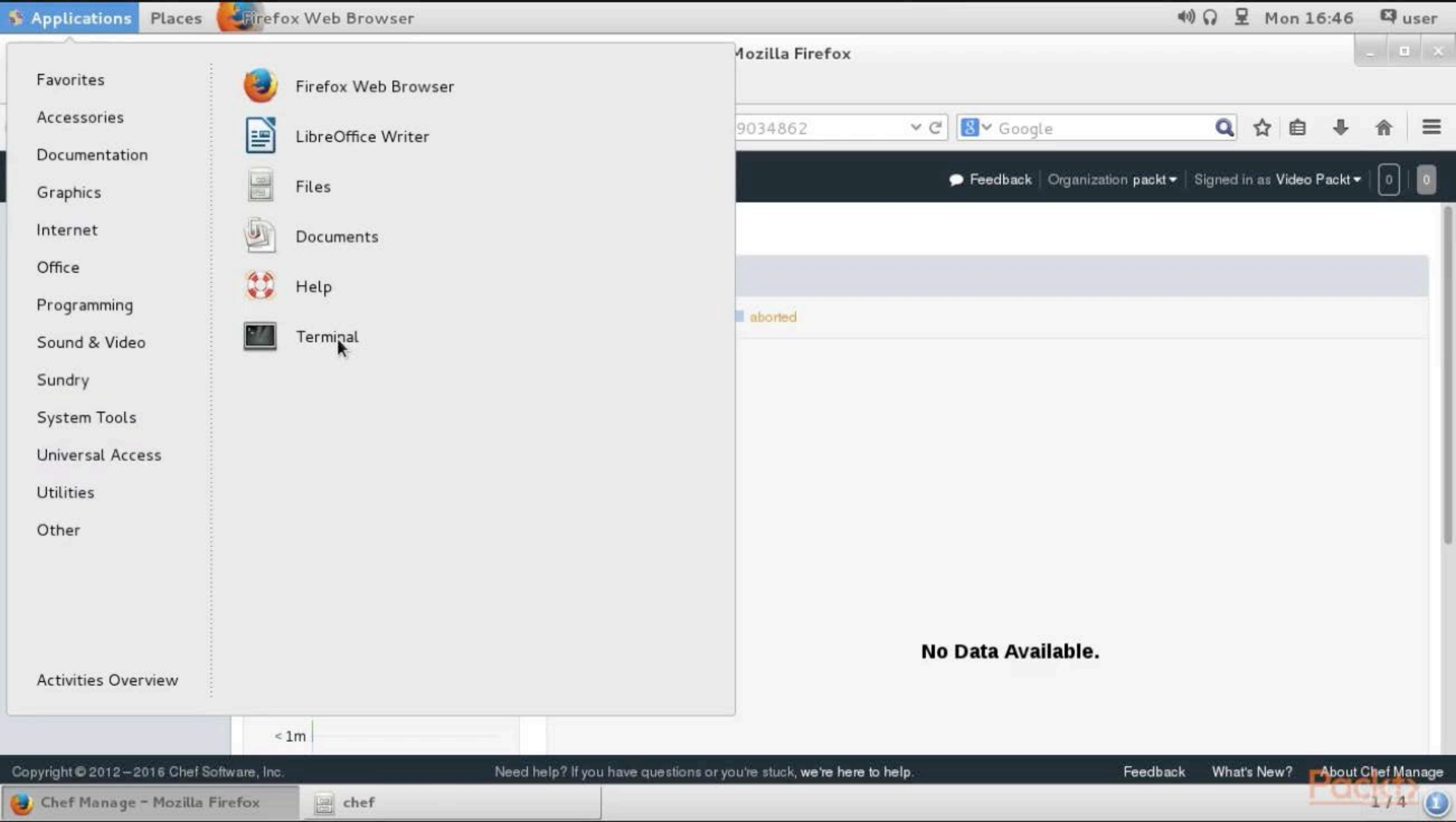
Video 4.3

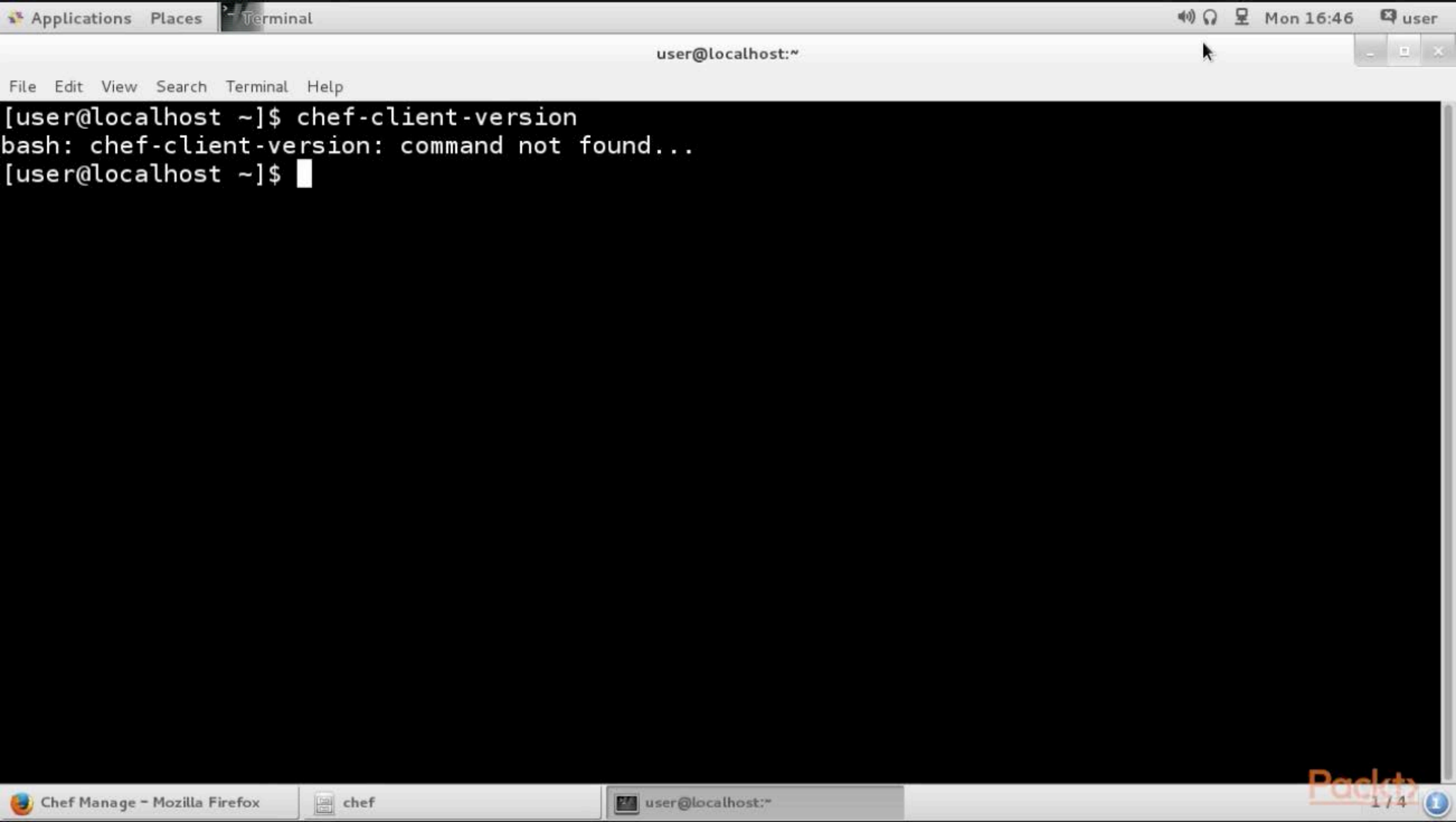
Installing and Configuring a Chef Workstation

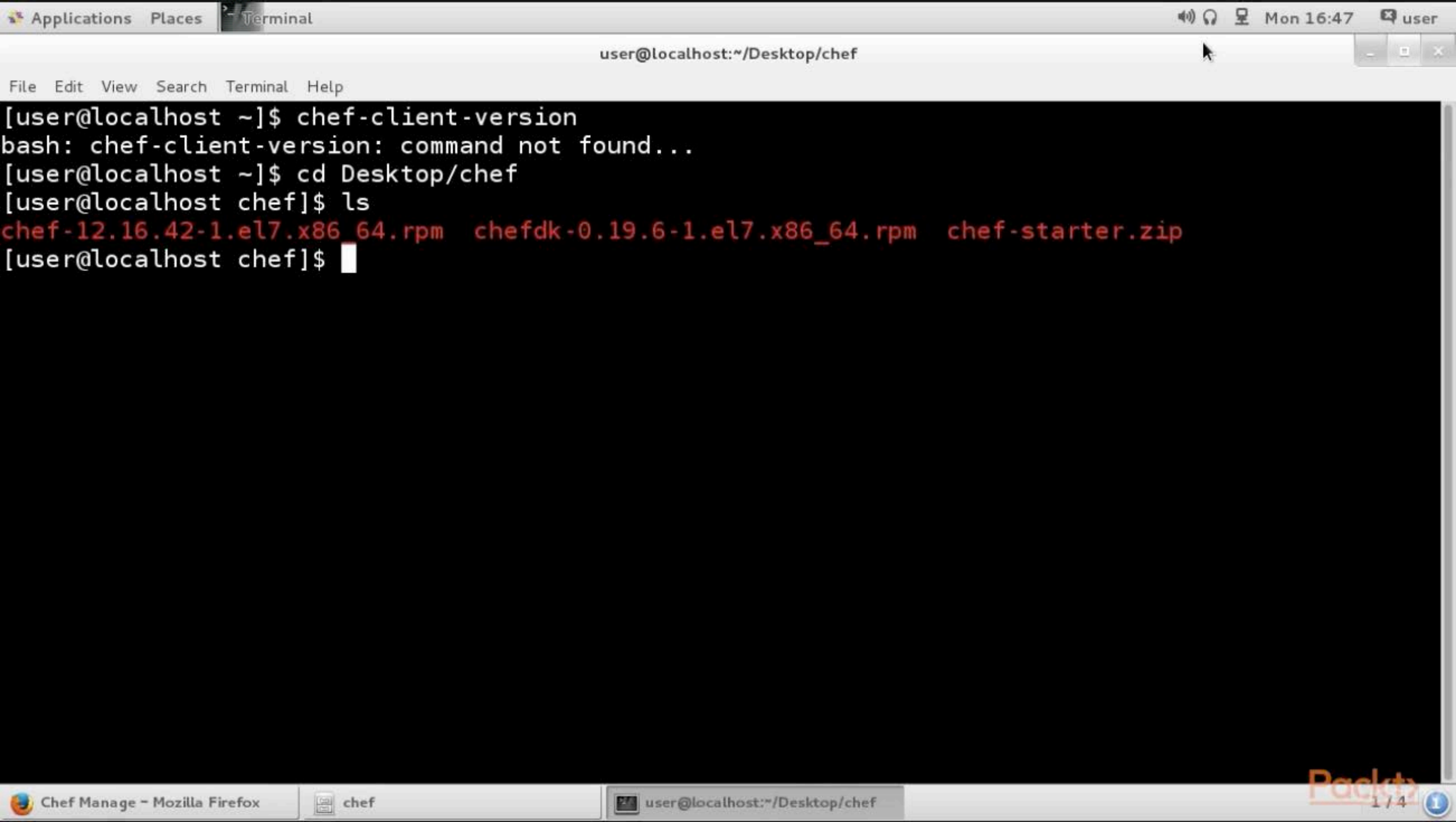
In this Video, we are going to take a look at...

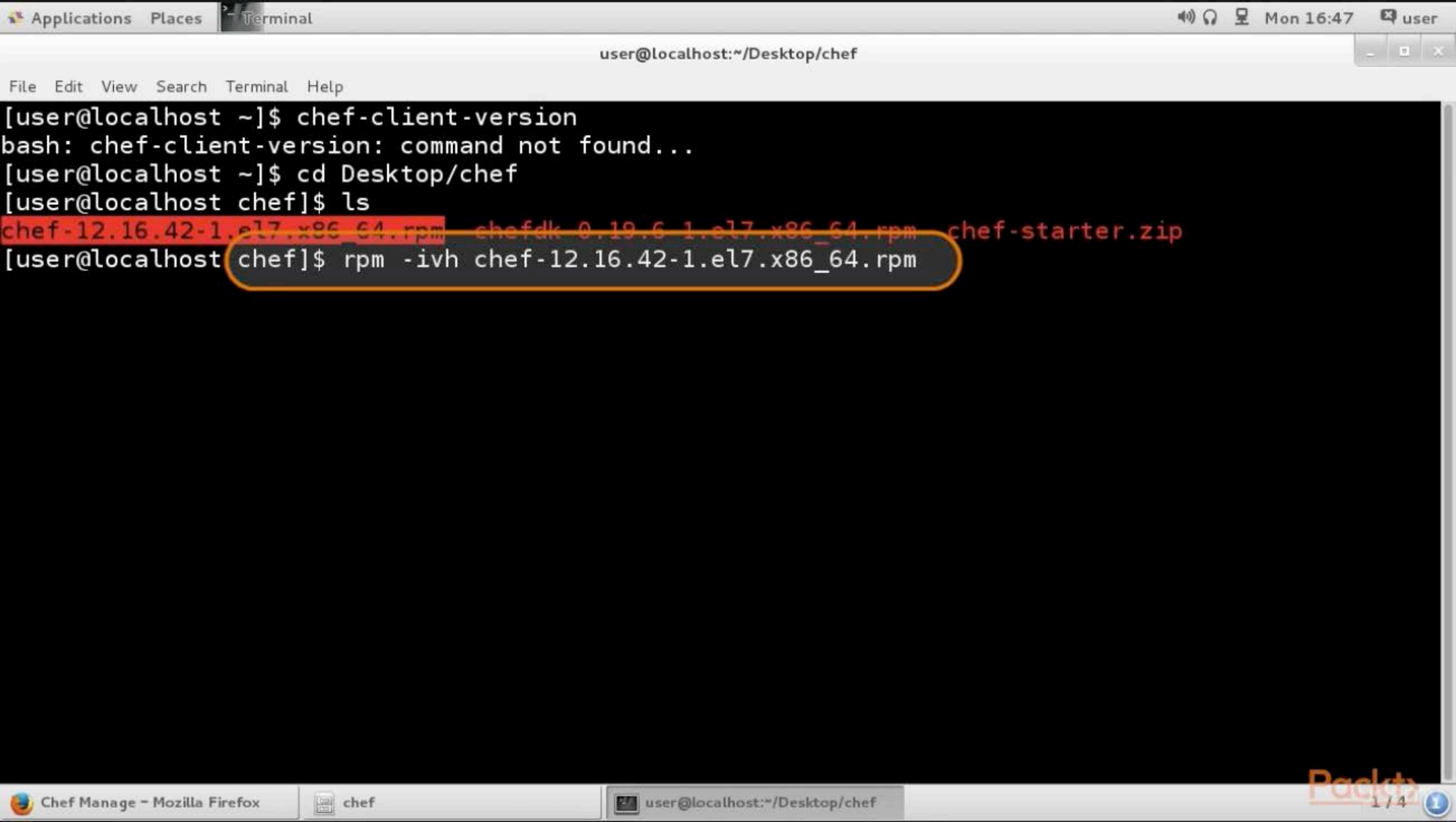
- Verifying whether the Chef client has been installed
- Executing the Chef-client-version command to verify whether the Chef client has been installed

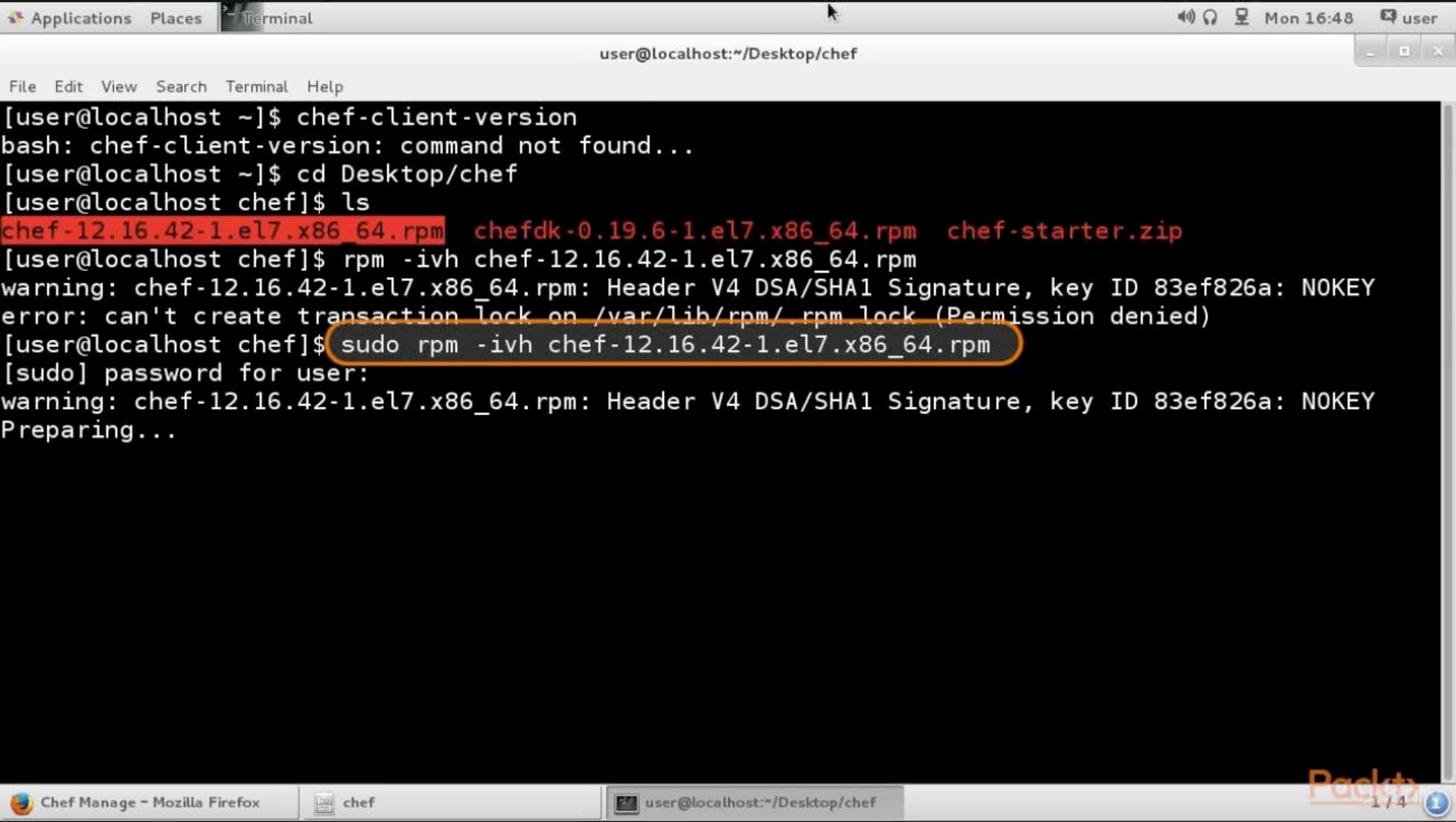
Packt> udemy


Applications
Places
Firefox Web Browser
Mon 16:46
user
Favorites
Accessories
Documentation
Graphics
Internet
Office
Programming
Sound & Video
Sundry
System Tools
Universal Access
Utilities
Other
Activities Overview
Firefox Web Browser
LibreOffice Writer
Files
Documents
Help
Terminal
Mozilla Firefox
9034862
Google
Feedback
Organization packt
Signed in as Video Packt
aborted
No Data Available.
< 1m
Copyright © 2012–2016 Chef Software, Inc.
Need help? If you have questions or you're stuck, we're here to help.
Feedback
What's New?
About Chef Manage
Chef Manage - Mozilla Firefox
chef
1 / 4


Applications
Places
Terminal
Mon 16:46
user
user@localhost:~
File Edit View Search Terminal Help
[user@localhost ~]$ chef-client-version
bash: chef-client-version: command not found...
[user@localhost ~]$
Chef Manage - Mozilla Firefox
chef
user@localhost:~
1 / 4


Applications Places Terminal
Mon 16:47 user
user@localhost:~/Desktop/chef
File Edit View Search Terminal Help
[user@localhost ~]$ chef-client-version
bash: chef-client-version: command not found...
[user@localhost ~]$ cd Desktop/chef
[user@localhost chef]$ ls
chef-12.16.42-1.el7.x86_64.rpm chefdk-0.19.6-1.el7.x86_64.rpm chef-starter.zip
[user@localhost chef]$
Chef Manage - Mozilla Firefox
chef
user@localhost:~/Desktop/chef
1 / 4


Applications Places Terminal Mon 16:47 user
user@localhost:~/Desktop/chef
File Edit View Search Terminal Help
[user@localhost ~]$ chef-client-version
bash: chef-client-version: command not found...
[user@localhost ~]$ cd Desktop/chef
[user@localhost chef]$ ls
chef-12.16.42-1.el7.x86_64.rpm chefdk-0.19.6-1.el7.x86_64.rpm chef-starter.zip
[user@localhost chef]$ rpm -ivh chef-12.16.42-1.el7.x86_64.rpm
Chef Manage - Mozilla Firefox
chef
user@localhost:~/Desktop/chef
1 / 4


Applications Places Terminal Mon 16:48 user
user@localhost:~/Desktop/chef
File Edit View Search Terminal Help
[user@localhost ~]$ chef-client-version
bash: chef-client-version: command not found...
[user@localhost ~]$ cd Desktop/chef
[user@localhost chef]$ ls
chef-12.16.42-1.el7.x86_64.rpm chefdk-0.19.6-1.el7.x86_64.rpm chef-starter.zip
[user@localhost chef]$ rpm -ivh chef-12.16.42-1.el7.x86_64.rpm
warning: chef-12.16.42-1.el7.x86_64.rpm: Header V4 DSA/SHA1 Signature, key ID 83ef826a: NOKEY
error: can't create transaction lock on /var/lib/rpm/.rpm.lock (Permission denied)
[user@localhost chef]$ sudo rpm -ivh chef-12.16.42-1.el7.x86_64.rpm
[sudo] password for user:
warning: chef-12.16.42-1.el7.x86_64.rpm: Header V4 DSA/SHA1 Signature, key ID 83ef826a: NOKEY
Preparing...
Chef Manage - Mozilla Firefox
chef
user@localhost:~/Desktop/chef
1 / 4

user@localhost:~/Desktop/chef

File Edit View Search Terminal Help

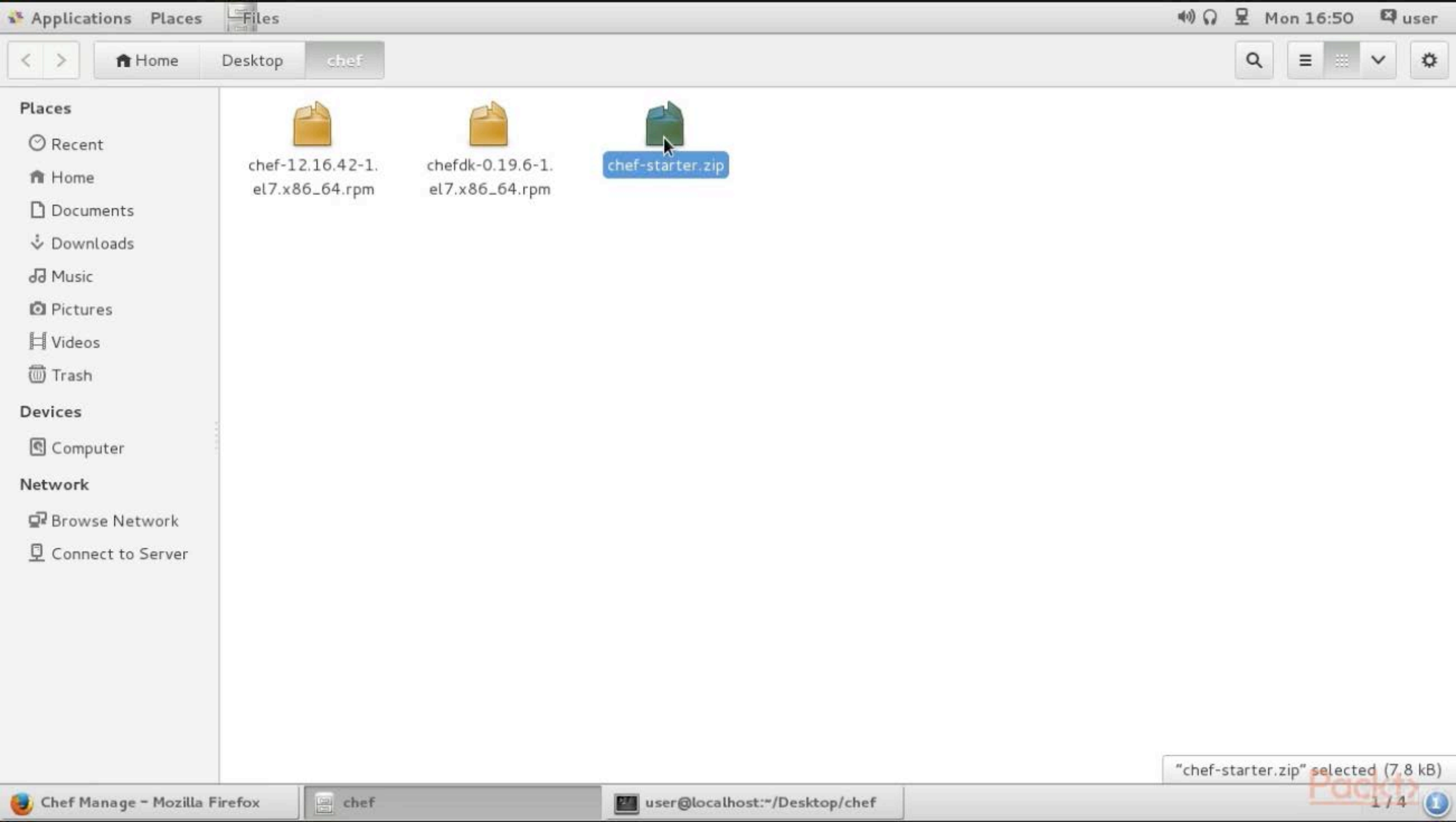
```
[user@localhost ~]$ chef-client-version
bash: chef-client-version: command not found...
[user@localhost ~]$ cd Desktop/chef
[user@localhost chef]$ ls
chef-12.16.42-1.el7.x86_64.rpm  chefdk-0.19.6-1.el7.x86_64.rpm  chef-starter.zip
[user@localhost chef]$ rpm -ivh chef-12.16.42-1.el7.x86_64.rpm
warning: chef-12.16.42-1.el7.x86_64.rpm: Header V4 DSA/SHA1 Signature, key ID 83ef826a: NOKEY
error: can't create transaction lock on /var/lib/rpm/.rpm.lock (Permission denied)
[user@localhost chef]$ sudo rpm -ivh chef-12.16.42-1.el7.x86_64.rpm
[sudo] password for user:
warning: chef-12.16.42-1.el7.x86_64.rpm: Header V4 DSA/SHA1 Signature, key ID 83ef826a: NOKEY
Preparing...                          ################################# [100%]
Updating / installing...
   1:chef-12.16.42-1.el7              ################################# [100%]
Thank you for installing Chef!
[user@localhost chef]$
```

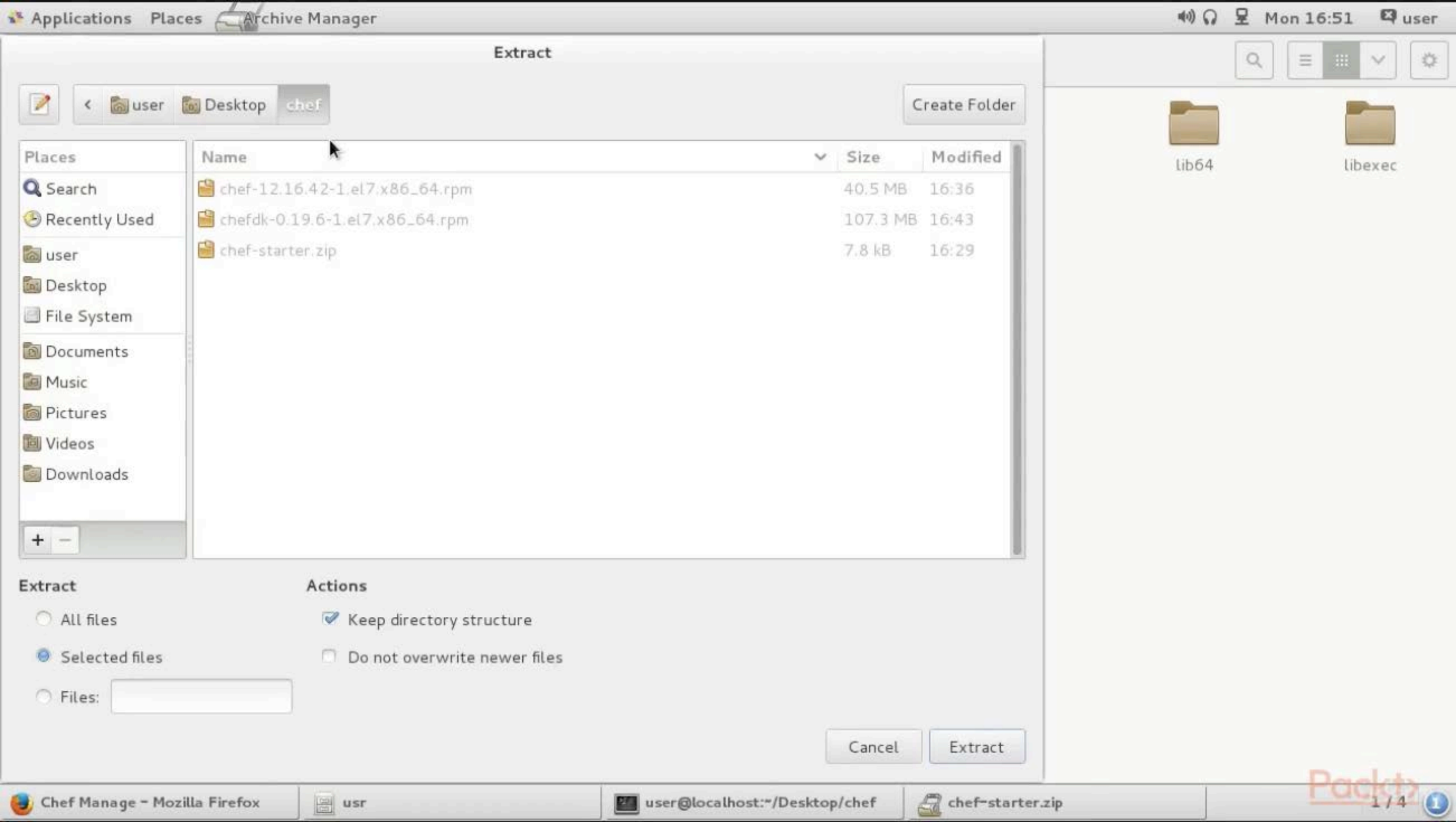
user@localhost:~/Desktop/chef

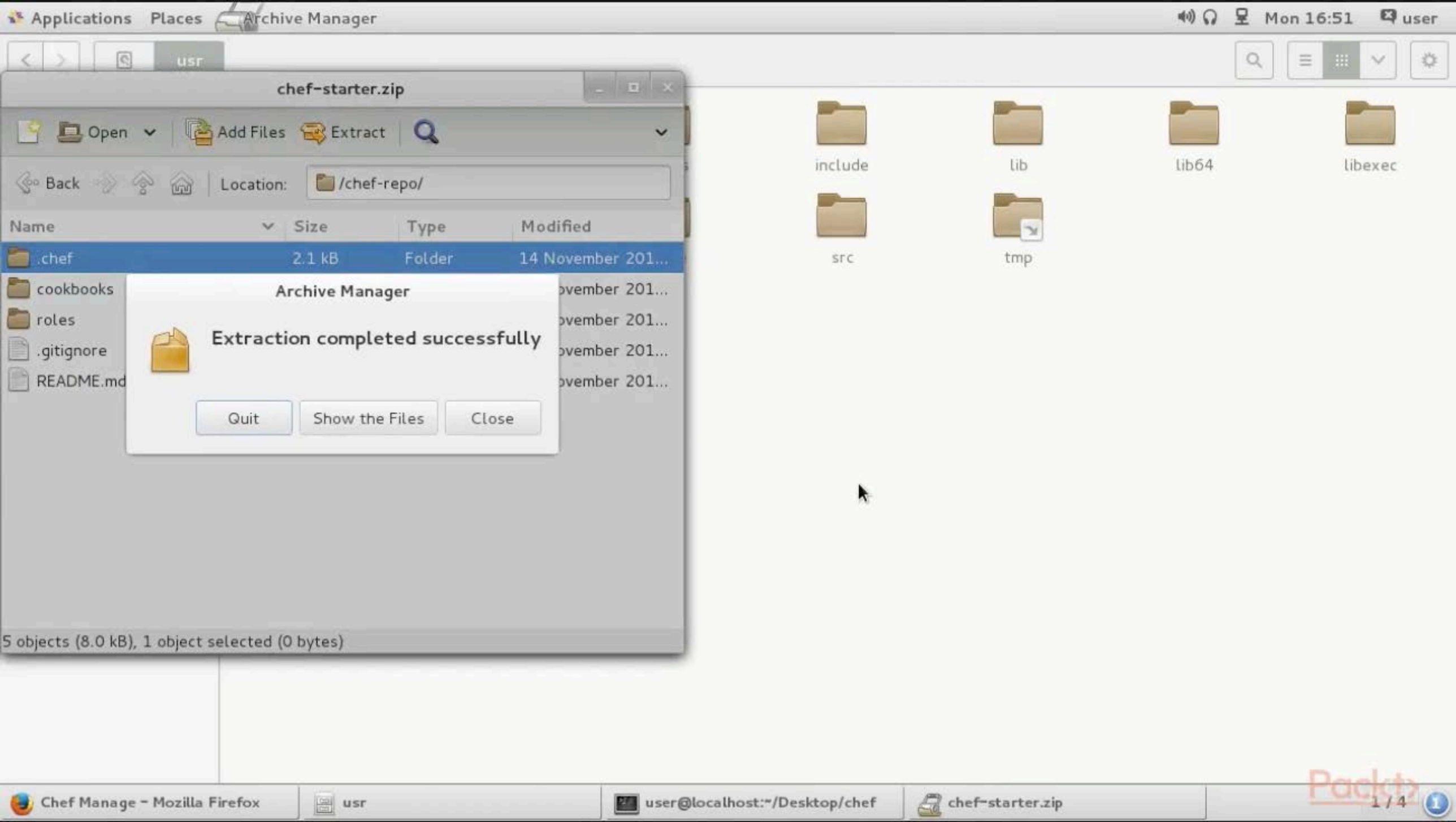
File Edit View Search Terminal Help

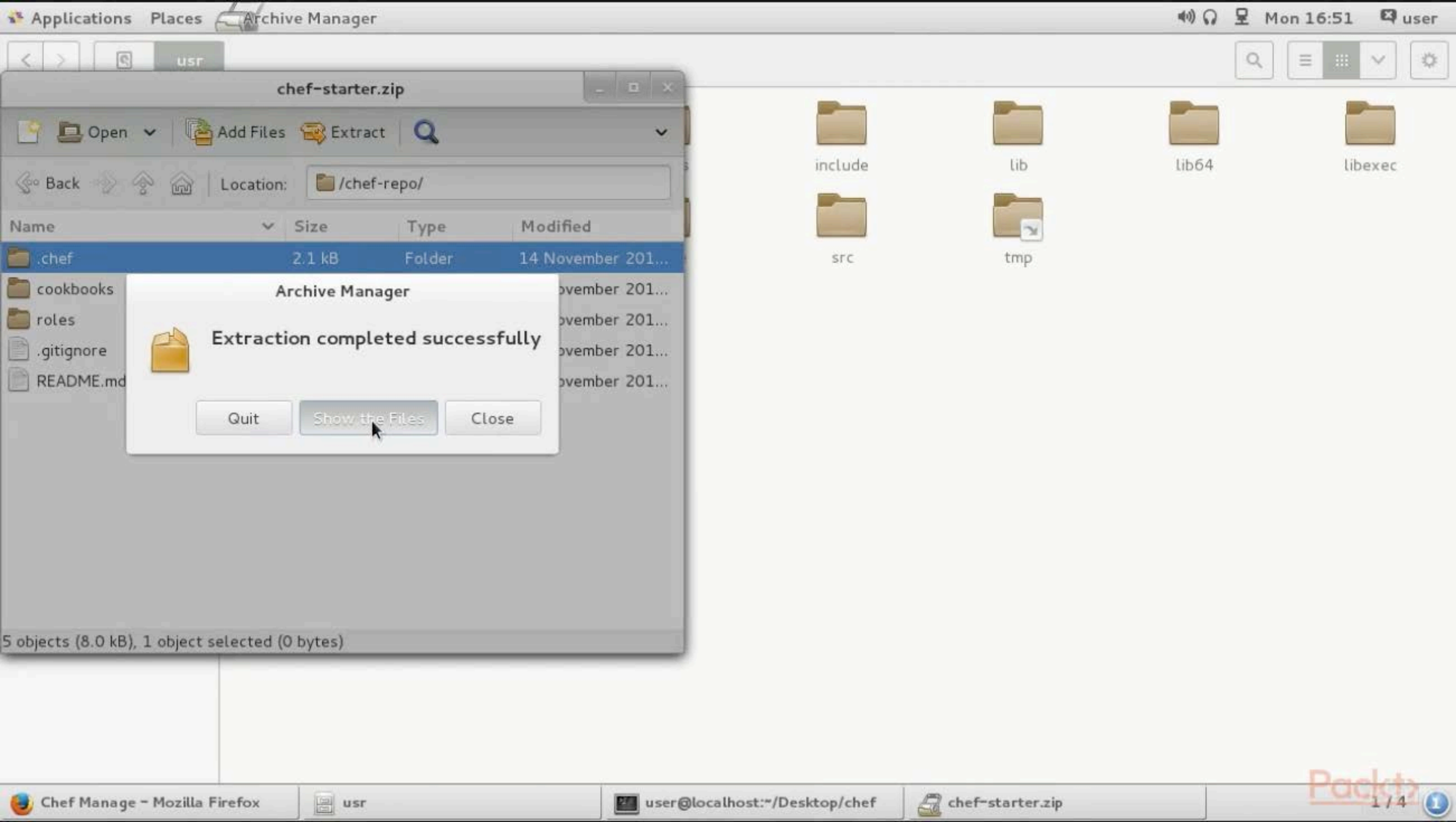
```
[user@localhost ~]$ chef-client-version
bash: chef-client-version: command not found...
[user@localhost ~]$ cd Desktop/chef
[user@localhost chef]$ ls
chef-12.16.42-1.el7.x86_64.rpm  chefdk-0.19.6-1.el7.x86_64.rpm  chef-starter.zip
[user@localhost chef]$ rpm -ivh chef-12.16.42-1.el7.x86_64.rpm
warning: chef-12.16.42-1.el7.x86_64.rpm: Header V4 DSA/SHA1 Signature, key ID 83ef826a: NOKEY
error: can't create transaction lock on /var/lib/rpm/.rpm.lock (Permission denied)
[user@localhost chef]$ sudo rpm -ivh chef-12.16.42-1.el7.x86_64.rpm
[sudo] password for user:
warning: chef-12.16.42-1.el7.x86_64.rpm: Header V4 DSA/SHA1 Signature, key ID 83ef826a: NOKEY
Preparing...                          ################################# [100%]
Updating / installing...
   1:chef-12.16.42-1.el7              ################################# [100%]
Thank you for installing Chef!
[user@localhost chef]$ chef-client-version
bash: chef-client-version: command not found...
[user@localhost chef]$ chef-client -version
```

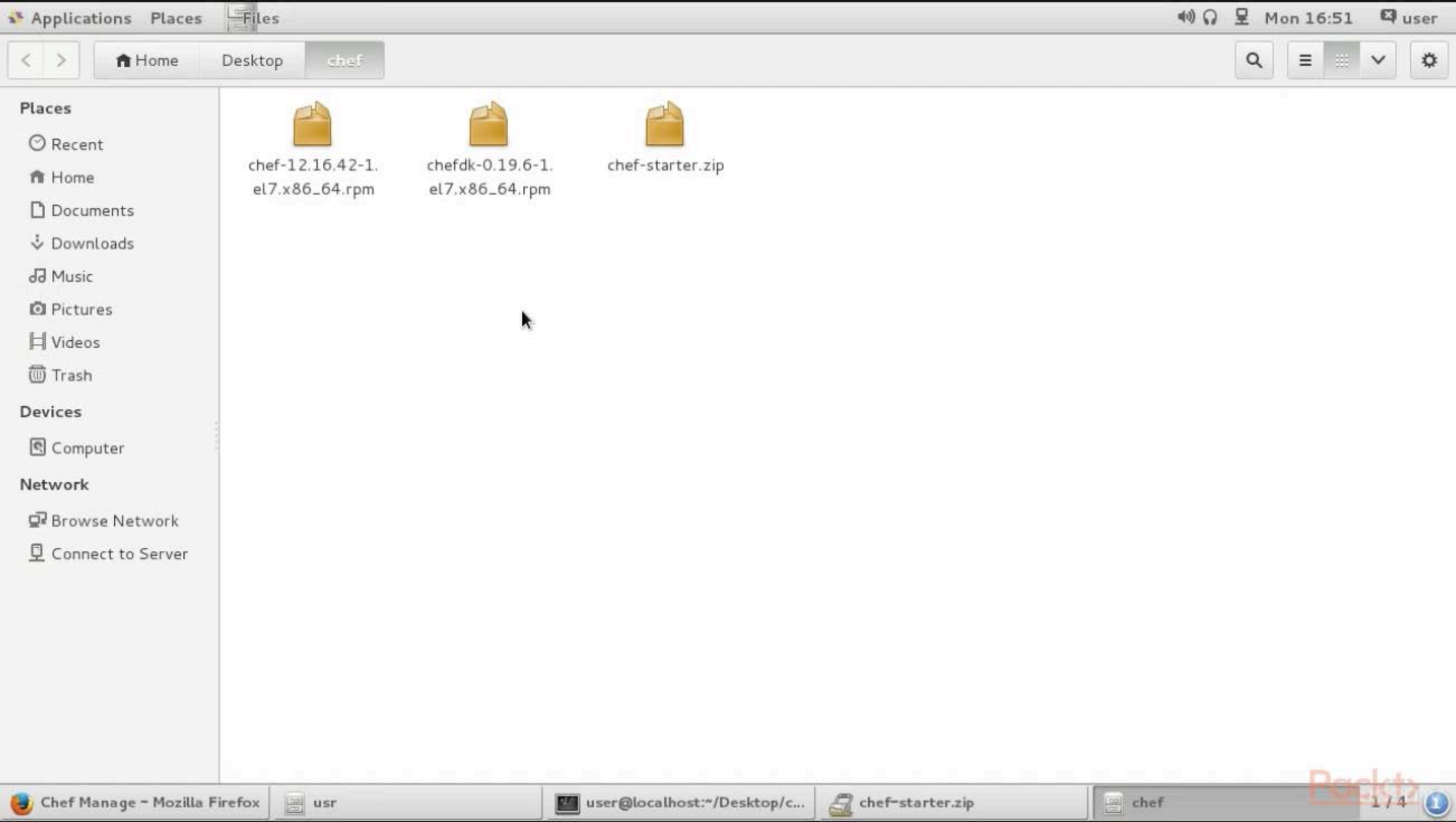

Packt>

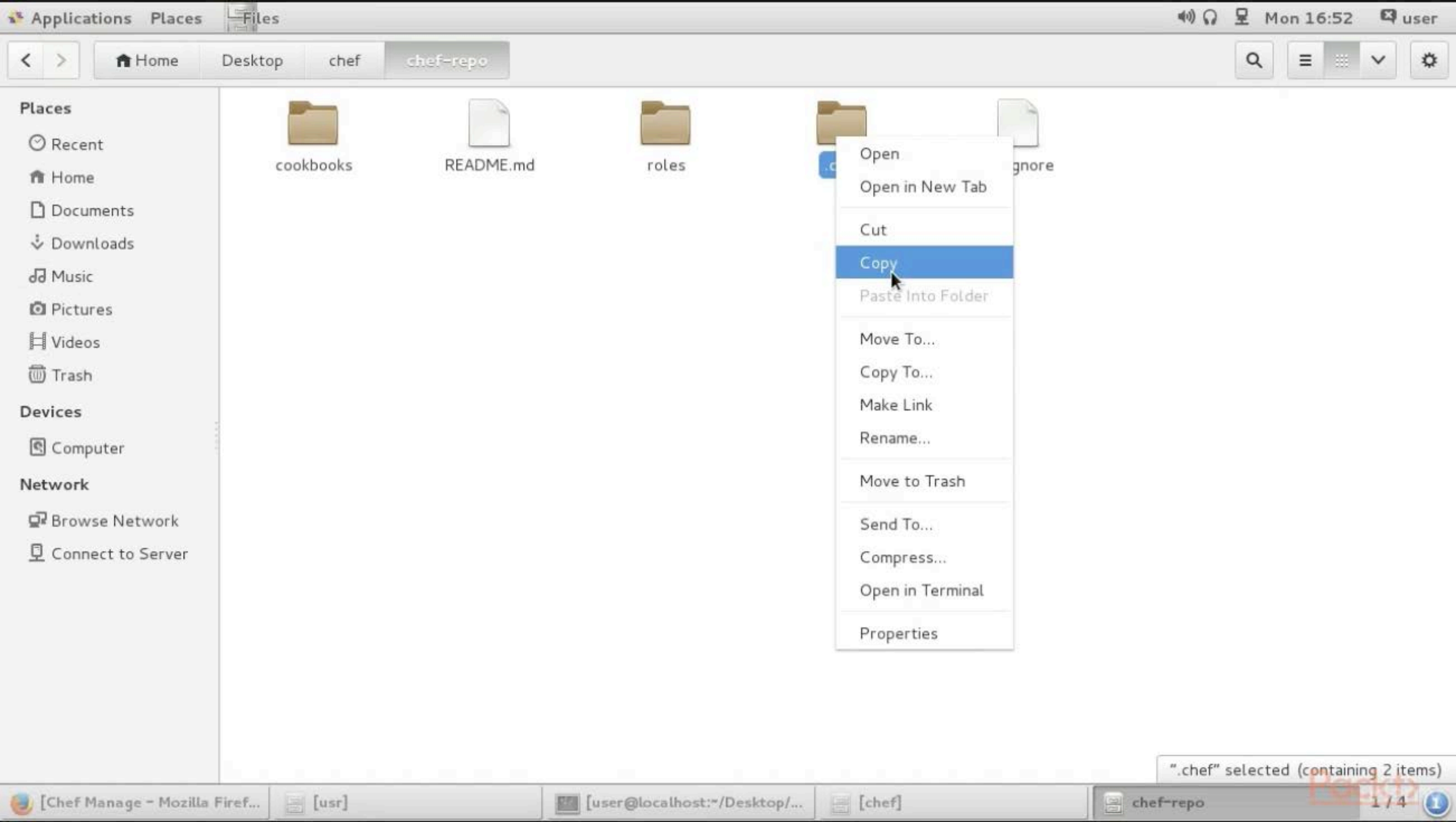

Applications
Places
Files
Mon 16:50
user
Home
Desktop
chef
Places
Recent
Home
Documents
Downloads
Music
Pictures
Videos
Trash
Devices
Computer
Network
Browse Network
Connect to Server
chef-12.16.42-1.el7.x86_64.rpm
chefdk-0.19.6-1.el7.x86_64.rpm
chef-starter.zip
"chef-starter.zip" selected (7.8 kB)
Chef Manage - Mozilla Firefox
chef
user@localhost:~/Desktop/chef
1 / 4

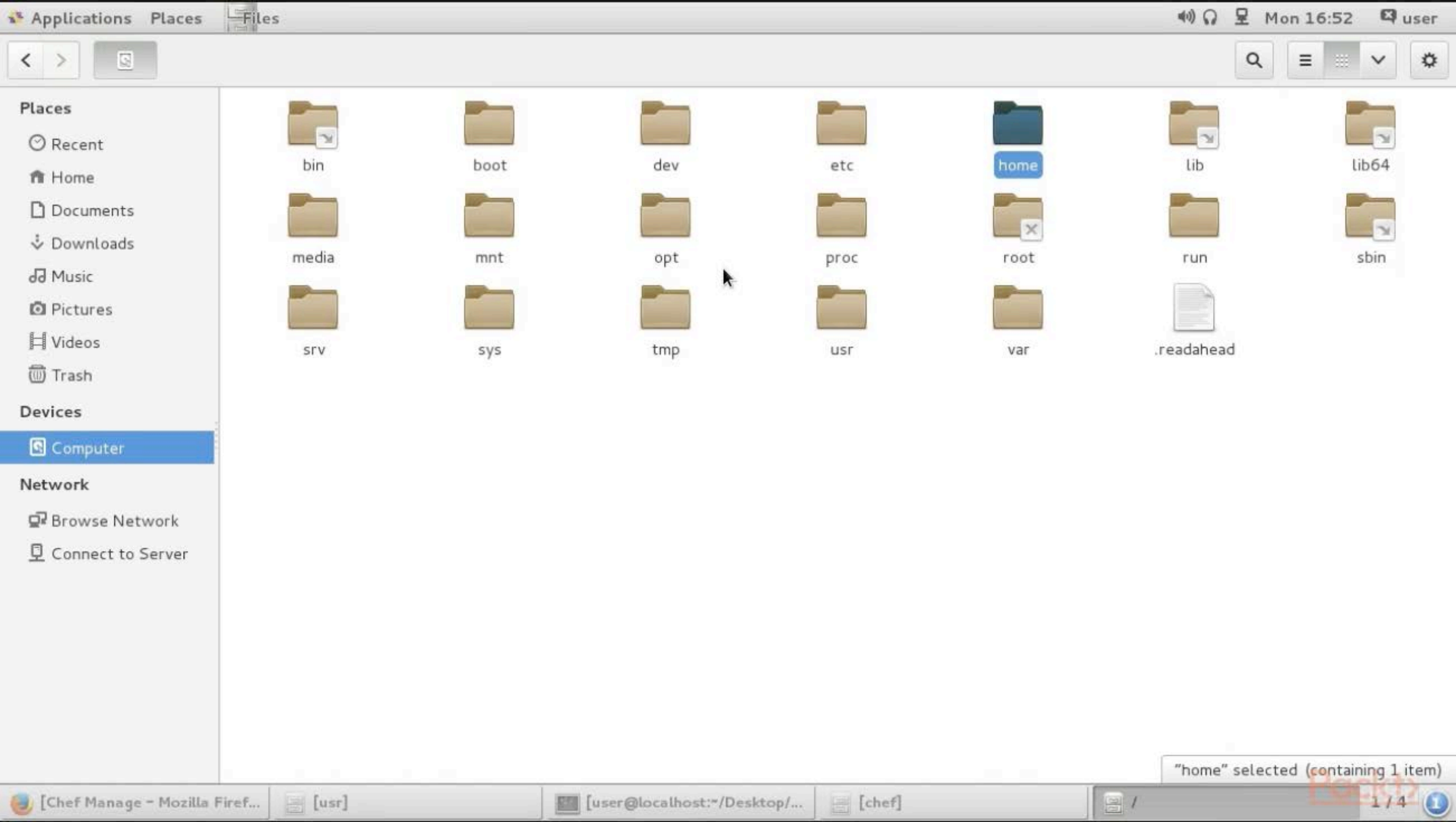

Applications
Places
Archive Manager
Mon 16:51
user
Extract
user
Desktop
chef
Create Folder
Places
Search
Recently Used
user
Desktop
File System
Documents
Music
Pictures
Videos
Downloads
Name
Size
Modified
chef-12.16.42-1.el7.x86_64.rpm
40.5 MB
16:36
chefdk-0.19.6-1.el7.x86_64.rpm
107.3 MB
16:43
chef-starter.zip
7.8 kB
16:29
Extract
All files
Selected files
Files:
Actions
Keep directory structure
Do not overwrite newer files
Cancel
Extract
lib64
libexec
Chef Manage - Mozilla Firefox
usr
user@localhost:~/Desktop/chef
chef-starter.zip
1 / 4

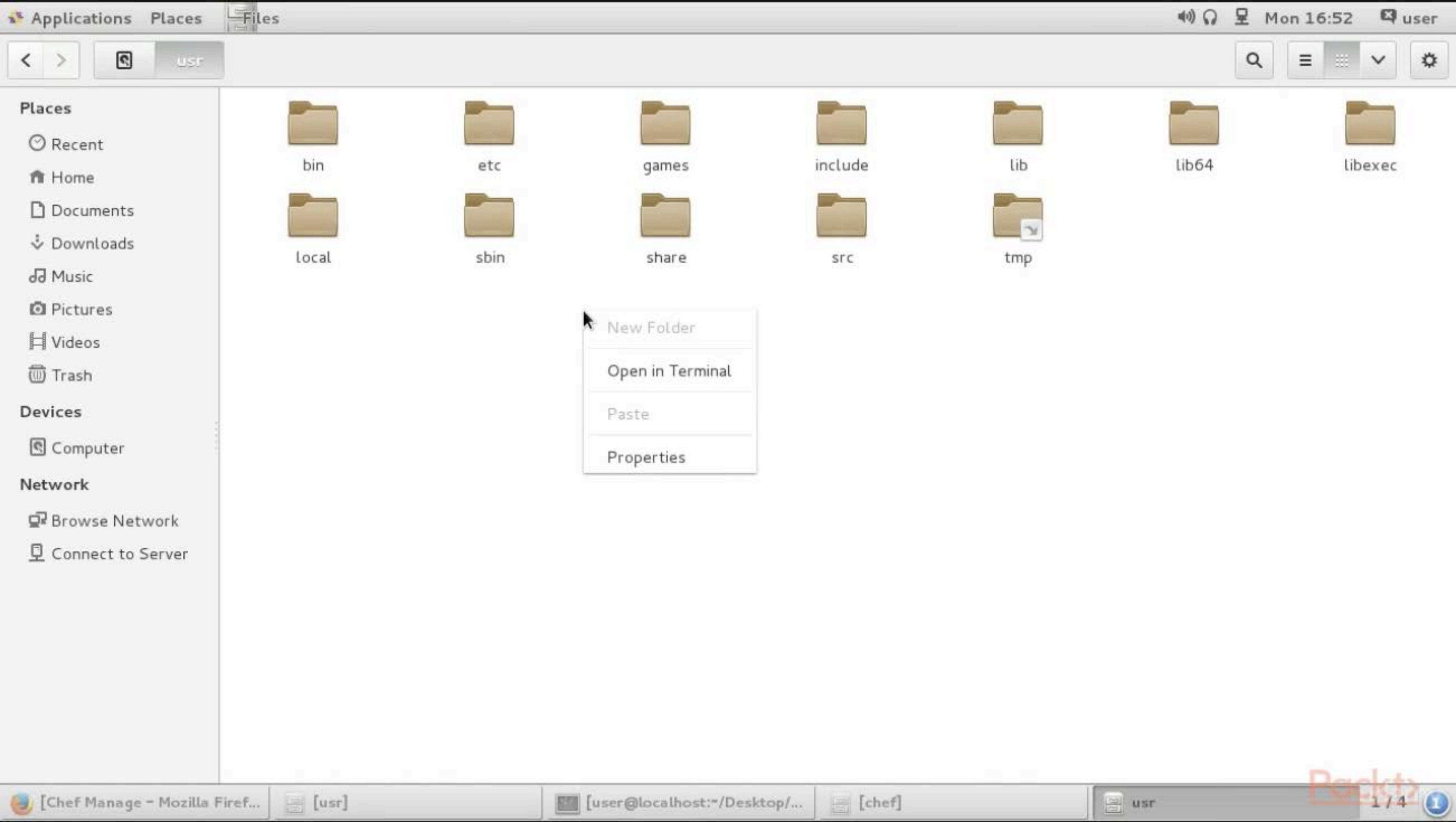

Applications
Places
Archive Manager
Mon 16:51
user
usr
chef-starter.zip
Open
Add Files
Extract
Back
Location:
/chef-repo/
Name
Size
Type
Modified
.chef
2.1 kB
Folder
14 November 201...
cookbooks
roles
.gitignore
README.md
Archive Manager
Extraction completed successfully
Quit
Show the Files
Close
5 objects (8.0 kB), 1 object selected (0 bytes)
include
lib
lib64
libexec
src
tmp
Chef Manage - Mozilla Firefox
usr
user@localhost:~/Desktop/chef
chef-starter.zip
1 / 4

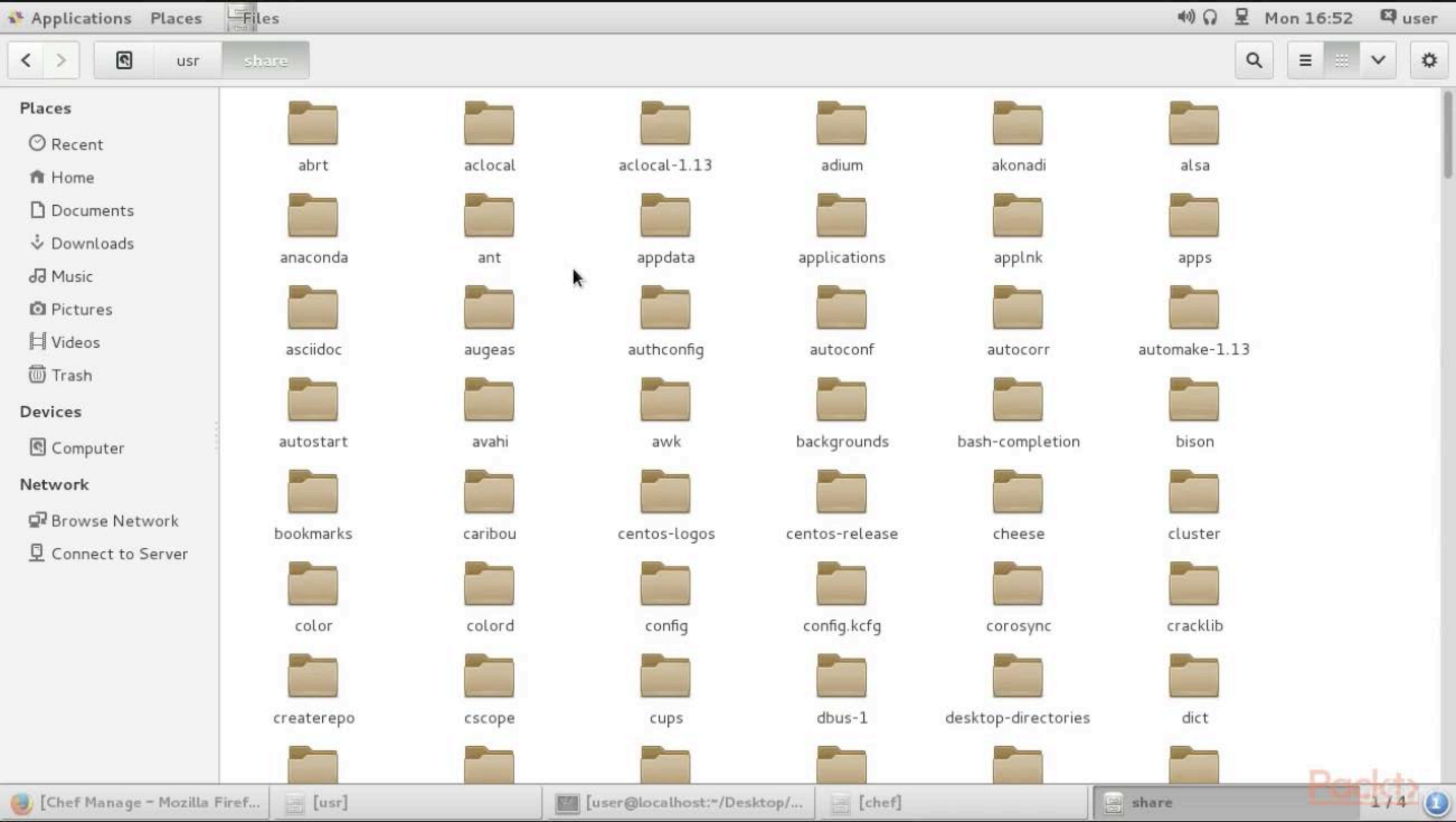

Applications
Places
Archive Manager
Mon 16:51
user
usr
chef-starter.zip
Open
Add Files
Extract
Back
Location:
/chef-repo/
Name
Size
Type
Modified
.chef
2.1 kB
Folder
14 November 201...
cookbooks
roles
.gitignore
README.md
Archive Manager
Extraction completed successfully
Quit
Show the Files
Close
5 objects (8.0 kB), 1 object selected (0 bytes)
include
lib
lib64
libexec
src
tmp
Chef Manage - Mozilla Firefox
usr
user@localhost:~/Desktop/chef
chef-starter.zip
1 / 4

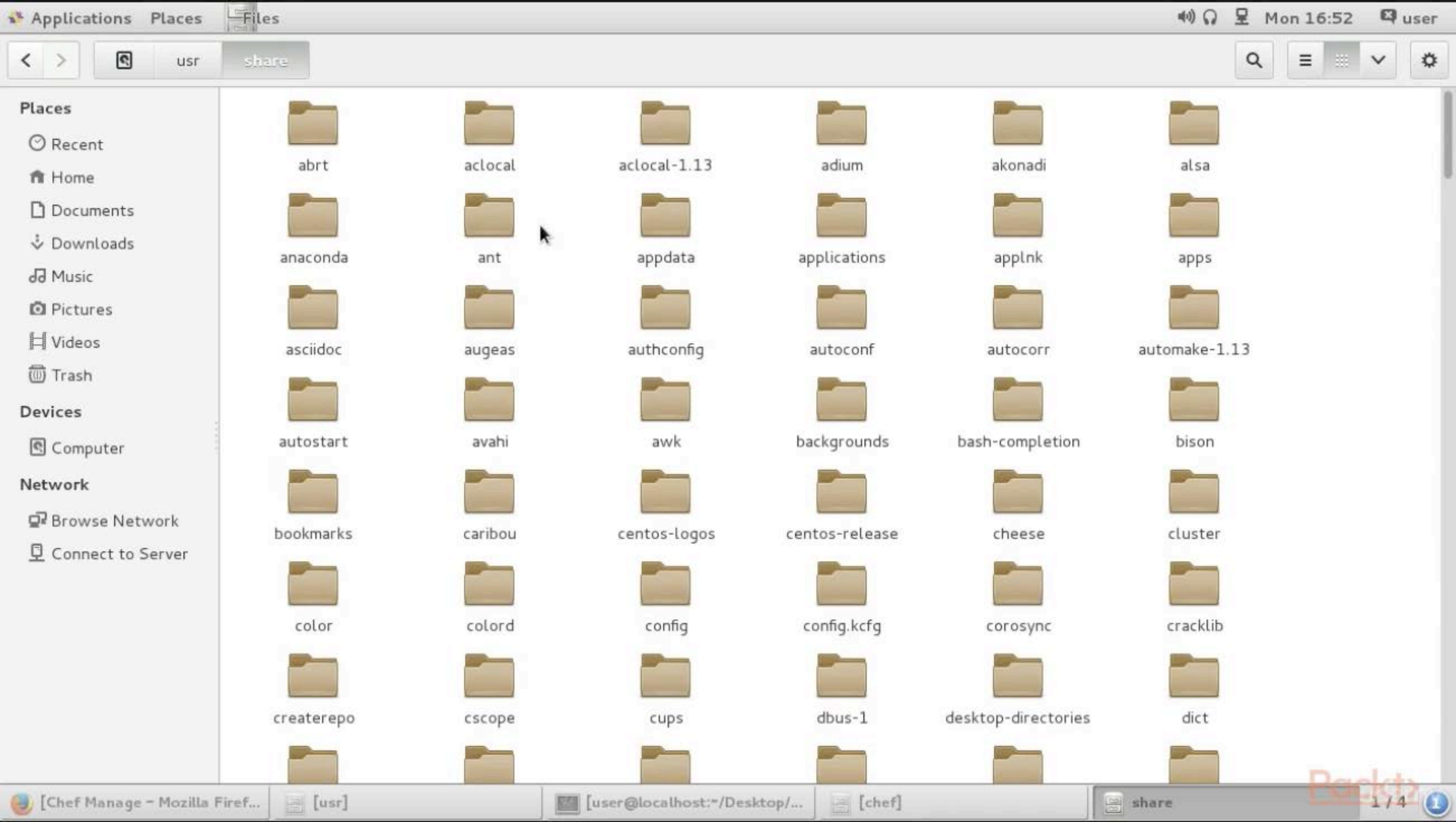

Applications
Places
Files
Mon 16:51
user
Home
Desktop
chef
Places
Recent
Home
Documents
Downloads
Music
Pictures
Videos
Trash
Devices
Computer
Network
Browse Network
Connect to Server
chef-12.16.42-1.el7.x86_64.rpm
chefdk-0.19.6-1.el7.x86_64.rpm
chef-starter.zip
Chef Manage - Mozilla Firefox
usr
user@localhost:~/Desktop/c...
chef-starter.zip
chef
1 / 4

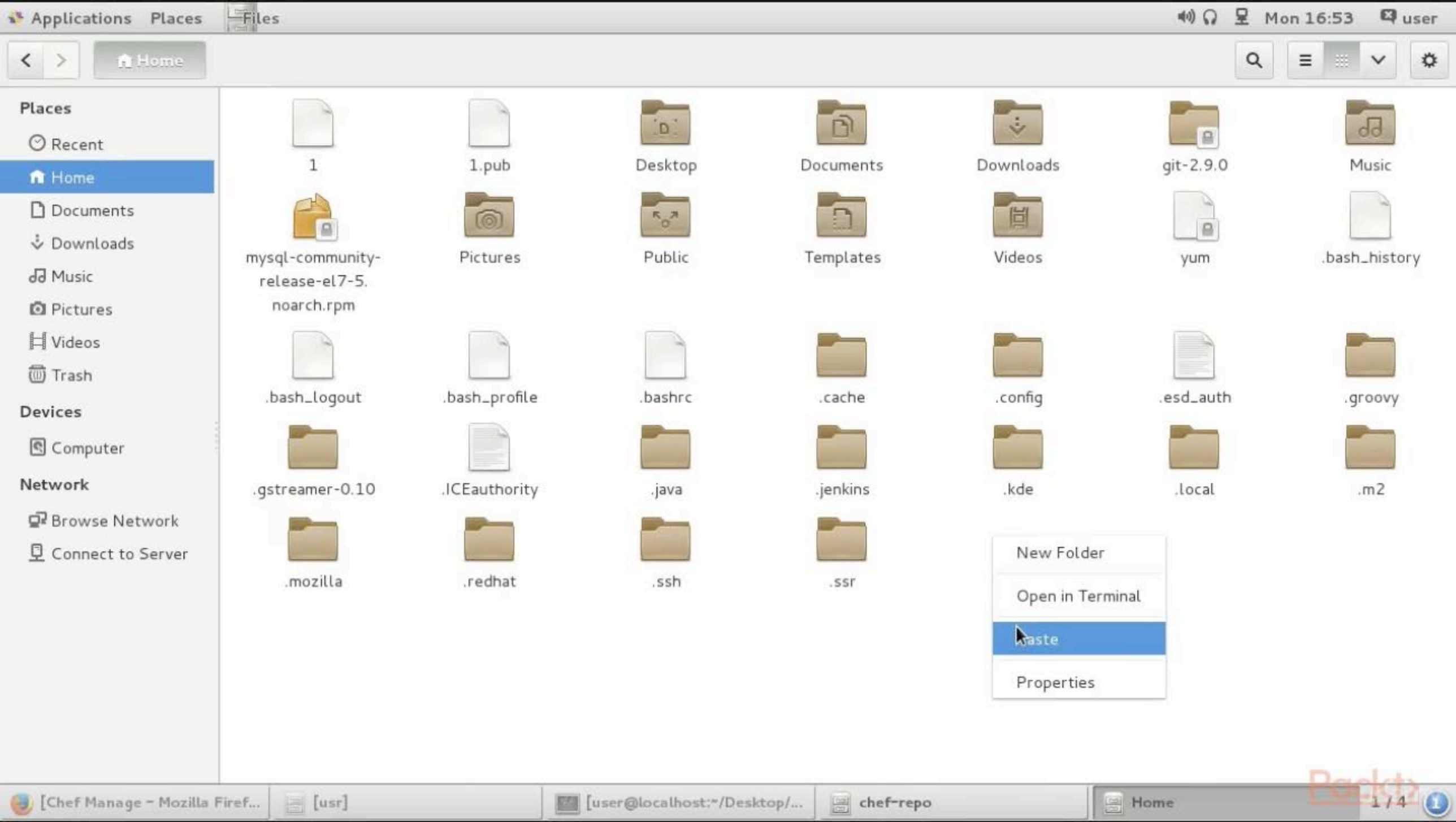

Applications
Places
Files
Mon 16:52
user
Home
Desktop
chef
chef-repo
Places
Recent
Home
Documents
Downloads
Music
Pictures
Videos
Trash
Devices
Computer
Network
Browse Network
Connect to Server
cookbooks
README.md
roles
gnore
Open
Open in New Tab
Cut
Copy
Paste Into Folder
Move To...
Copy To...
Make Link
Rename...
Move to Trash
Send To...
Compress...
Open in Terminal
Properties
".chef" selected (containing 2 items)
[Chef Manage - Mozilla Firef...
[usr]
[user@localhost:~/Desktop/...
[chef]
chef-repo
1 / 4

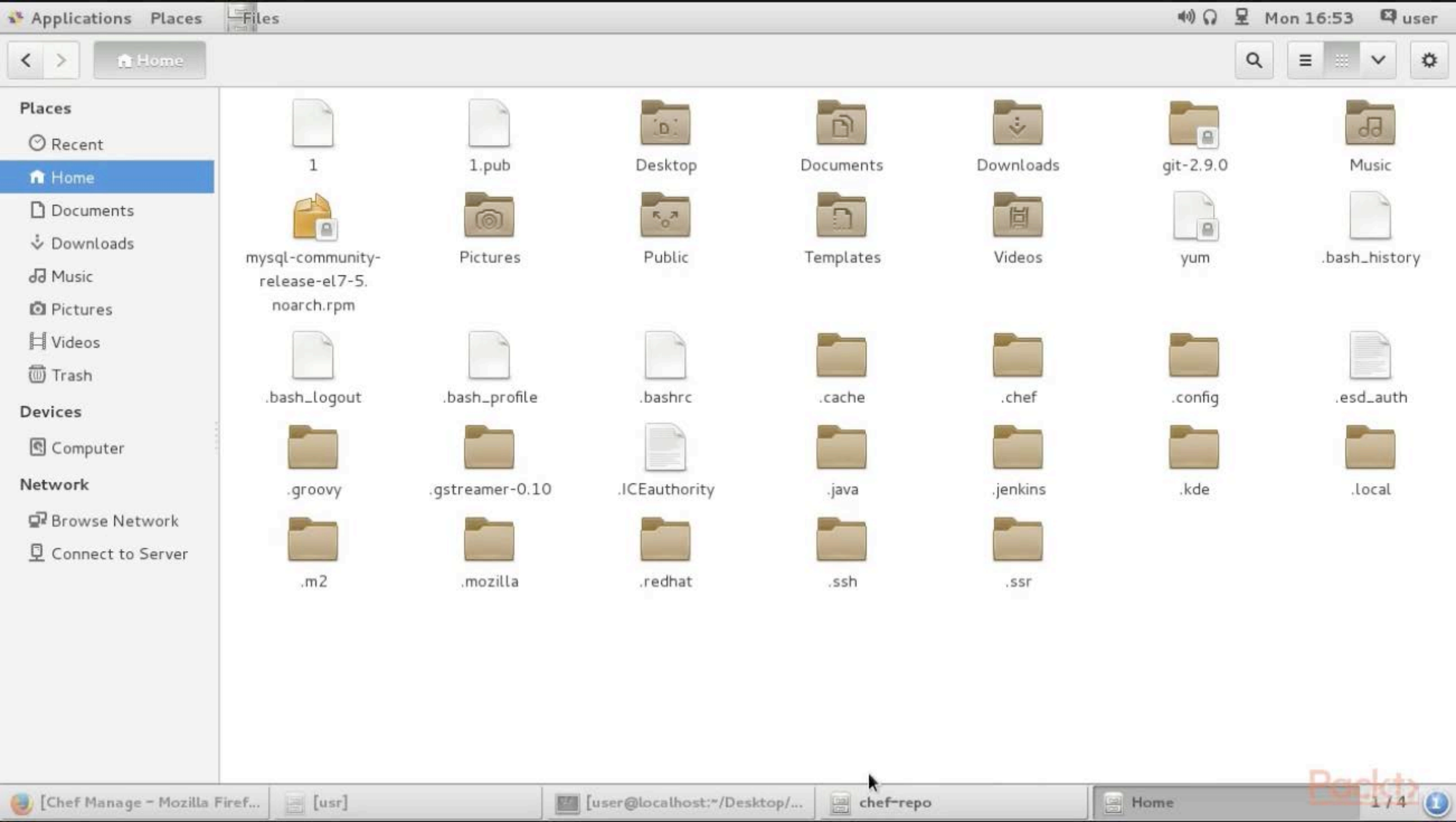

Applications
Places
Files
Mon 16:52
user
Places
Recent
Home
Documents
Downloads
Music
Pictures
Videos
Trash
Devices
Computer
Network
Browse Network
Connect to Server
bin
boot
dev
etc
home
lib
lib64
media
mnt
opt
proc
root
run
sbin
srv
sys
tmp
usr
var
.readahead
"home" selected (containing 1 item)
[Chef Manage - Mozilla Firef...
[usr]
[user@localhost:~/Desktop/...
[chef]
/
1 / 4

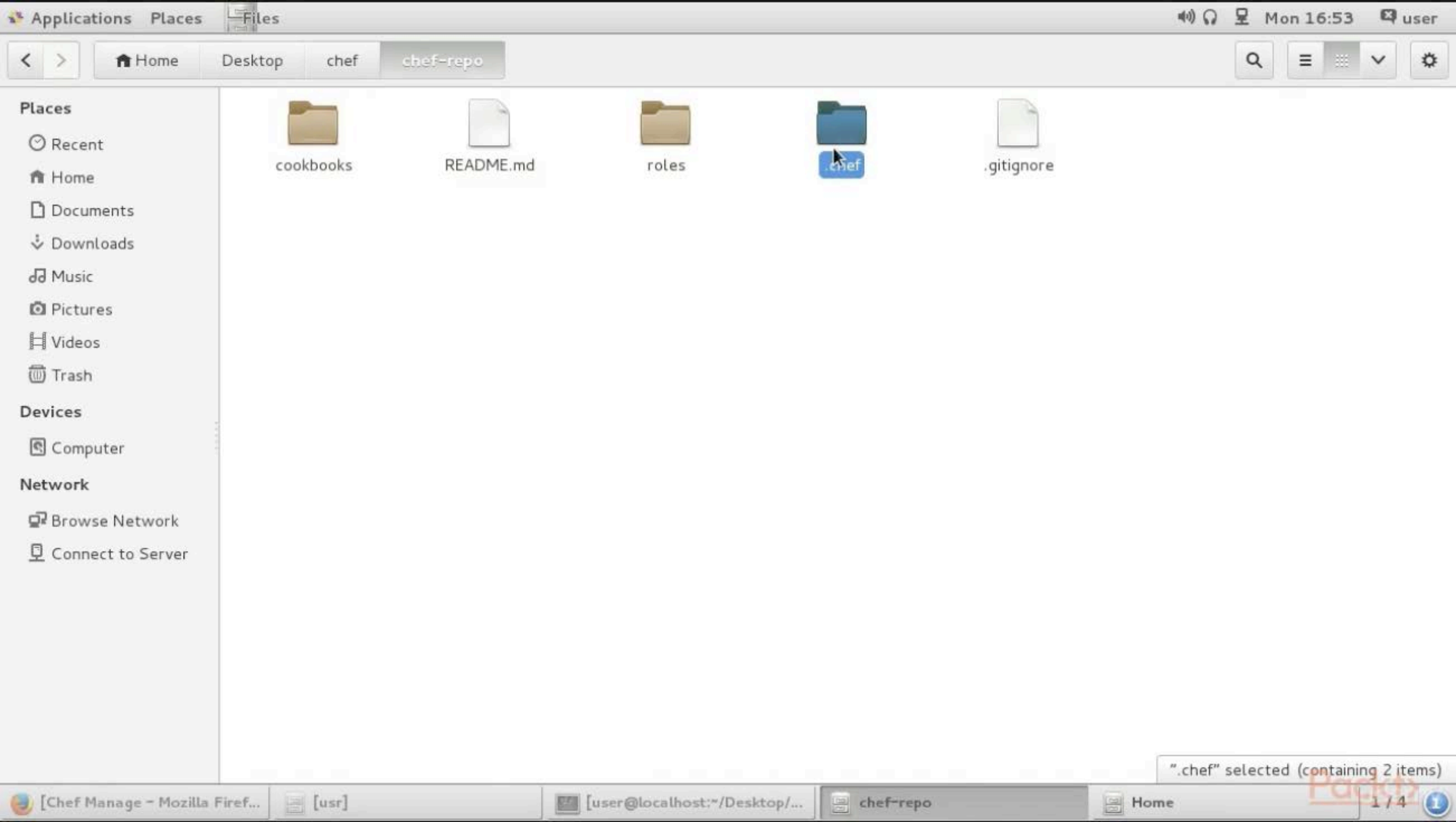

Applications
Places
Files
Mon 16:52
user
usr
Places
Recent
Home
Documents
Downloads
Music
Pictures
Videos
Trash
Devices
Computer
Network
Browse Network
Connect to Server
bin
etc
games
include
lib
lib64
libexec
local
sbin
share
src
tmp
New Folder
Open in Terminal
Paste
Properties
[Chef Manage - Mozilla Firef...
[usr]
[user@localhost:~/Desktop/...
[chef]
usr
1 / 4

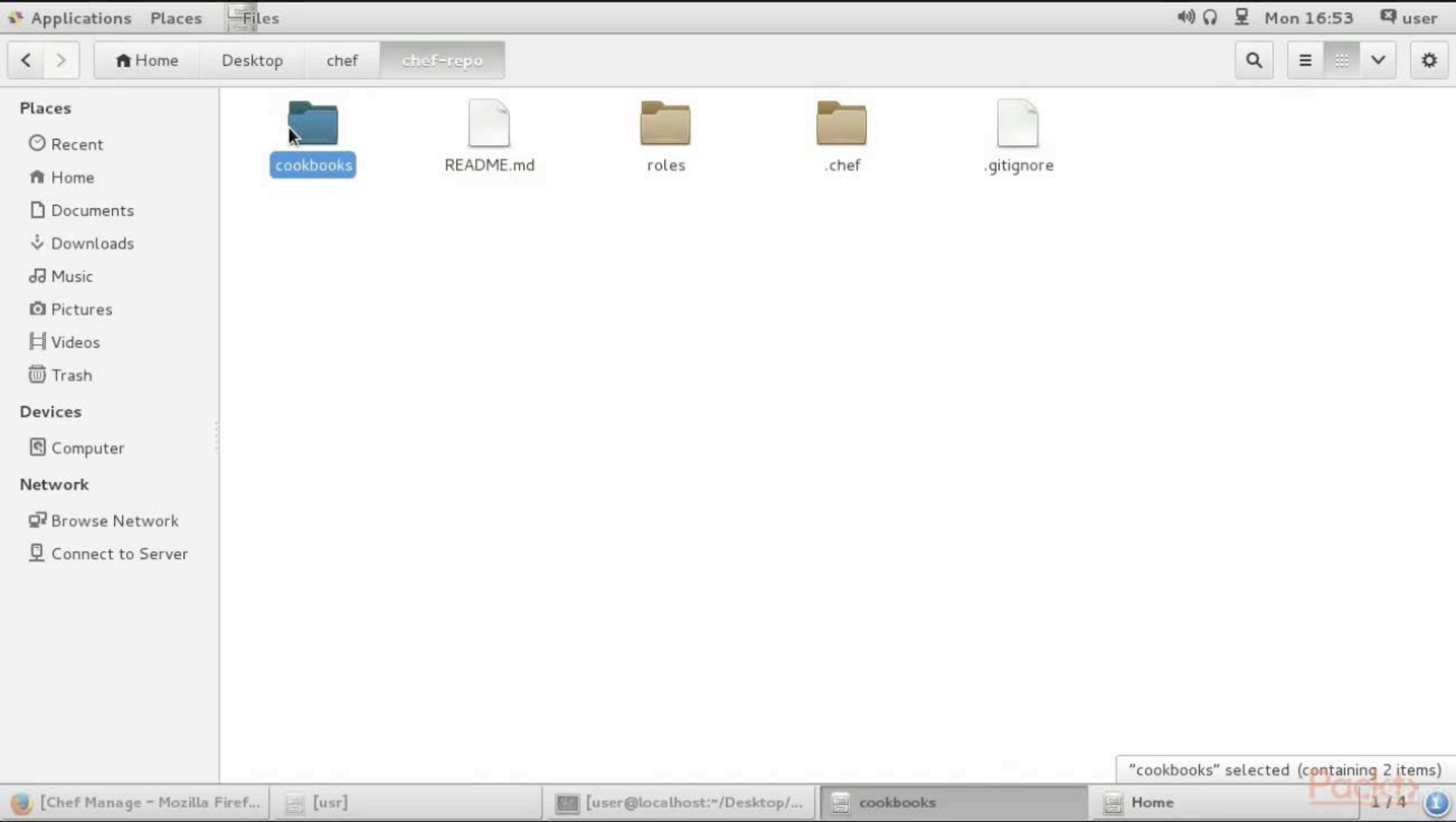

Applications
Places
Files
Mon 16:52
user
usr
share
Places
Recent
Home
Documents
Downloads
Music
Pictures
Videos
Trash
Devices
Computer
Network
Browse Network
Connect to Server
abrt
aclocal
aclocal-1.13
adium
akonadi
alsa
anaconda
ant
appdata
applications
applnk
apps
asciidoc
augeas
authconfig
autoconf
autocorr
automake-1.13
autostart
avahi
awk
backgrounds
bash-completion
bison
bookmarks
caribou
centos-logos
centos-release
cheese
cluster
color
colord
config
config.kcfg
corosync
cracklib
createrepo
cscope
cups
dbus-1
desktop-directories
dict
[Chef Manage - Mozilla Firef...
[usr]
[user@localhost:~/Desktop/...
[chef]
share
1 / 4

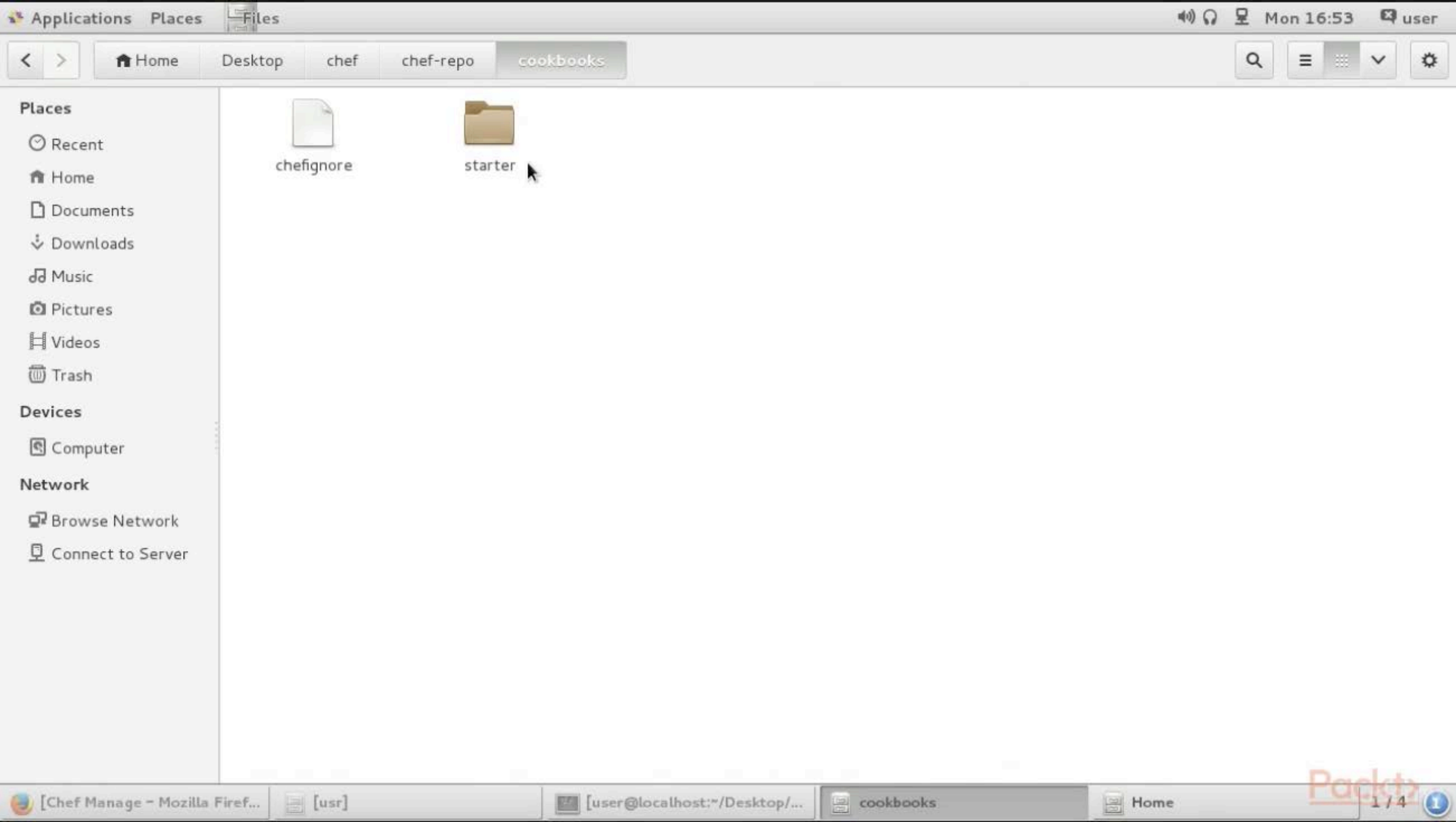

Applications
Places
Files
Mon 16:52
user
usr
share
Places
Recent
Home
Documents
Downloads
Music
Pictures
Videos
Trash
Devices
Computer
Network
Browse Network
Connect to Server
abrt
aclocal
aclocal-1.13
adium
akonadi
alsa
anaconda
ant
appdata
applications
applnk
apps
asciidoc
augeas
authconfig
autoconf
autocorr
automake-1.13
autostart
avahi
awk
backgrounds
bash-completion
bison
bookmarks
caribou
centos-logos
centos-release
cheese
cluster
color
colord
config
config.kcfg
corosync
cracklib
createrepo
cscope
cups
dbus-1
desktop-directories
dict
[Chef Manage - Mozilla Firef...
[usr]
[user@localhost:~/Desktop/...
[chef]
share
1 / 4

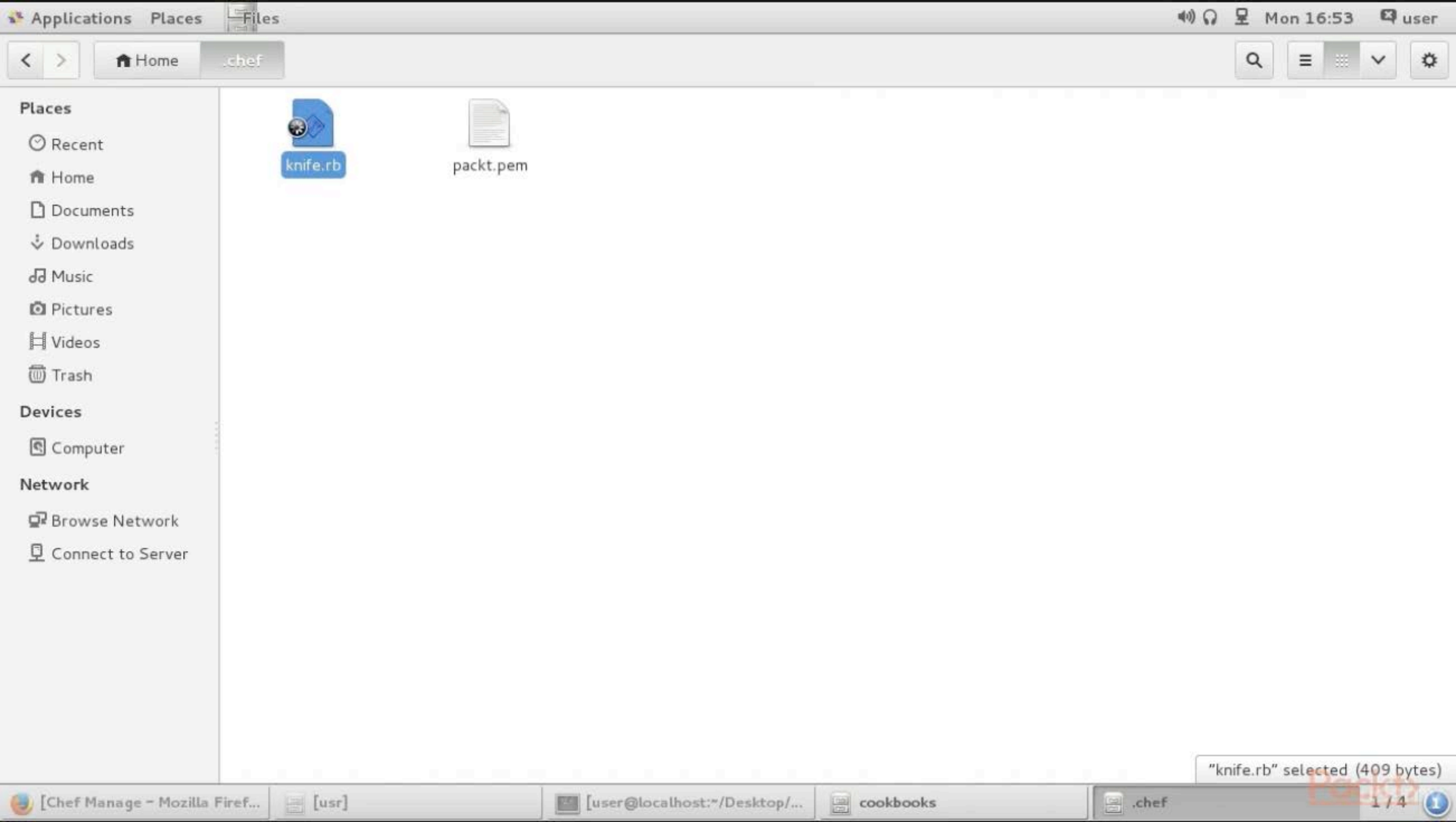

Applications
Places
Files
Mon 16:53
user
Home
Places
Recent
Home
Documents
Downloads
Music
Pictures
Videos
Trash
Devices
Computer
Network
Browse Network
Connect to Server
1
1.pub
Desktop
Documents
Downloads
git-2.9.0
Music
mysql-community-release-el7-5.noarch.rpm
Pictures
Public
Templates
Videos
yum
.bash_history
.bash_logout
.bash_profile
.bashrc
.cache
.config
.esd_auth
.groovy
.gstreamer-0.10
.ICEauthority
.java
.jenkins
.kde
.local
.m2
.mozilla
.redhat
.ssh
.ssr
New Folder
Open in Terminal
Paste
Properties
[Chef Manage - Mozilla Firef...
[usr]
[user@localhost:~/Desktop/...
chef-repo
Home
1 / 4


Applications
Places
Files
Mon 16:53
user
Home
Places
Recent
Home
Documents
Downloads
Music
Pictures
Videos
Trash
Devices
Computer
Network
Browse Network
Connect to Server
1
1.pub
Desktop
Documents
Downloads
git-2.9.0
Music
mysql-community-release-el7-5.noarch.rpm
Pictures
Public
Templates
Videos
yum
.bash_history
.bash_logout
.bash_profile
.bashrc
.cache
.chef
.config
.esd_auth
.groovy
.gstreamer-0.10
.ICEauthority
.java
.jenkins
.kde
.local
.m2
.mozilla
.redhat
.ssh
.ssr
[Chef Manage - Mozilla Firef...
[usr]
[user@localhost:~/Desktop/...
chef-repo
Home
1 / 4


Applications
Places
Files
Mon 16:53
user
Home
Desktop
chef
chef-repo
Places
Recent
Home
Documents
Downloads
Music
Pictures
Videos
Trash
Devices
Computer
Network
Browse Network
Connect to Server
cookbooks
README.md
roles
.chef
.gitignore
".chef" selected (containing 2 items)
[Chef Manage - Mozilla Firef...
[usr]
[user@localhost:~/Desktop/...
chef-repo
Home
1 / 4


Applications
Places
Files
Mon 16:53
user
Home
Desktop
chef
chef-repo
Places
Recent
Home
Documents
Downloads
Music
Pictures
Videos
Trash
Devices
Computer
Network
Browse Network
Connect to Server
cookbooks
README.md
roles
.chef
.gitignore
"cookbooks" selected (containing 2 items)
[Chef Manage - Mozilla Firef...
[usr]
[user@localhost:~/Desktop/...
cookbooks
Home
1 / 4


Applications
Places
Files
Mon 16:53
user
Home
Desktop
chef
chef-repo
cookbooks
Places
Recent
Home
Documents
Downloads
Music
Pictures
Videos
Trash
Devices
Computer
Network
Browse Network
Connect to Server
chefignore
starter
[Chef Manage - Mozilla Firef...
[usr]
[user@localhost:~/Desktop/...
cookbooks
Home
1 / 4


Applications
Places
Files
Mon 16:53
user
Home
.chef
Places
Recent
Home
Documents
Downloads
Music
Pictures
Videos
Trash
Devices
Computer
Network
Browse Network
Connect to Server
knife.rb
packt.pem
"knife.rb" selected (409 bytes)
[Chef Manage - Mozilla Firef...
[usr]
[user@localhost:~/Desktop/...
cookbooks
.chef
1 / 4

knife.rb (~/.chef) – gedit

File Edit View Search Tools Documents

Open Save Undo

knife.rb

```
# See http://docs.chef.io/config_rb_knife.html for more information on knife configuration options

current_dir = File.dirname(__FILE__)
log_level                :info
log_location             STDOUT
node_name                "packt"
client_key               "#{current_dir}/packt.pem"
chef_server_url          "https://api.chef.io/organizations/packt"
cookbook_path            ["#{current_dir}/../cookbooks"]
```

Ruby Tab Width: 8 Ln 1, Col 1 INS

Next Video

Converging a Chef Node Using a Chef Workstation

Packt> udemy