

Video 6.2

Installing Knife Plugins for Amazon WebServices and Microsoft Azure



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

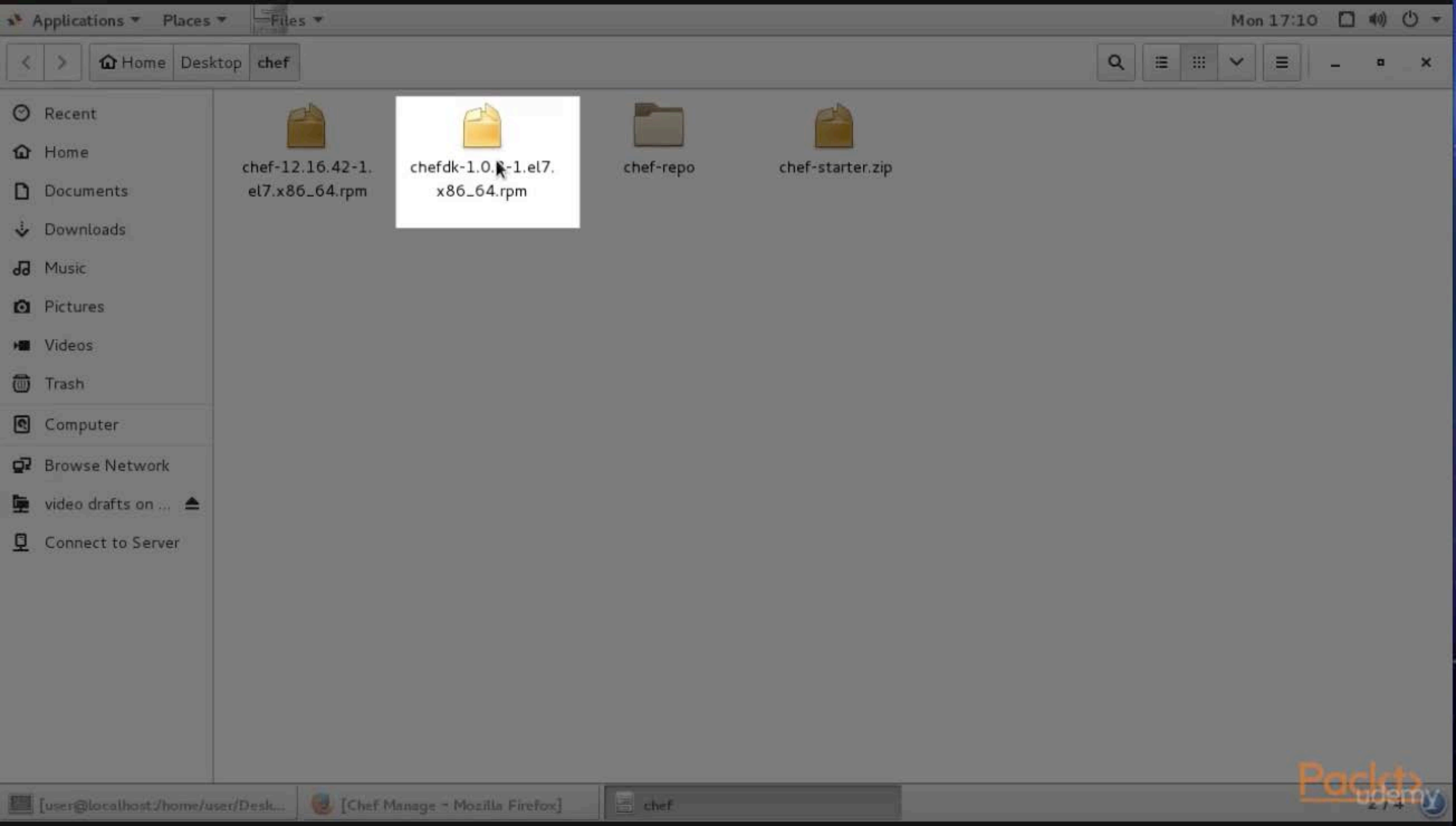
- Creating bootstrap and manage EC2 instances
- Configuring Amazon EC2 credentials

user@localhost:/home/user/Desktop

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[root@localhost Desktop]#

<https://downloads.chef.io/chef-dk/>



user@localhost:/home/user/Desktop

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```
[root@localhost Desktop]# 'I/home/user/Desktop/chef/chefdk-1.0.3-1.el7.x86_64.rpm'
```

user@localhost:/home/user/Desktop

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```
[root@localhost Desktop]# rpm -ivh '/home/user/Desktop/chef/chefdk-1.0.3-1.el7.x86_64.rpm'
warning: /home/user/Desktop/chef/chefdk-1.0.3-1.el7.x86_64.rpm: Header V4 DSA/SHA1 Signature, key ID 83ef826a: NOKEY
Preparing...
```


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```
[root@localhost Desktop]# rpm -ivh '/home/user/Desktop/chef/chefdk-1.0.3-1.el7.x86_64.rpm'
warning: /home/user/Desktop/chef/chefdk-1.0.3-1.el7.x86_64.rpm: Header V4 DSA/SHA1 Signature, key ID 83ef826a: NOKEY
Preparing...
##### [100%]
package chefdk-1.0.3-1.el7.x86_64 is already installed
[root@localhost Desktop]#
```

<https://github.com/chef/knife-ec2>

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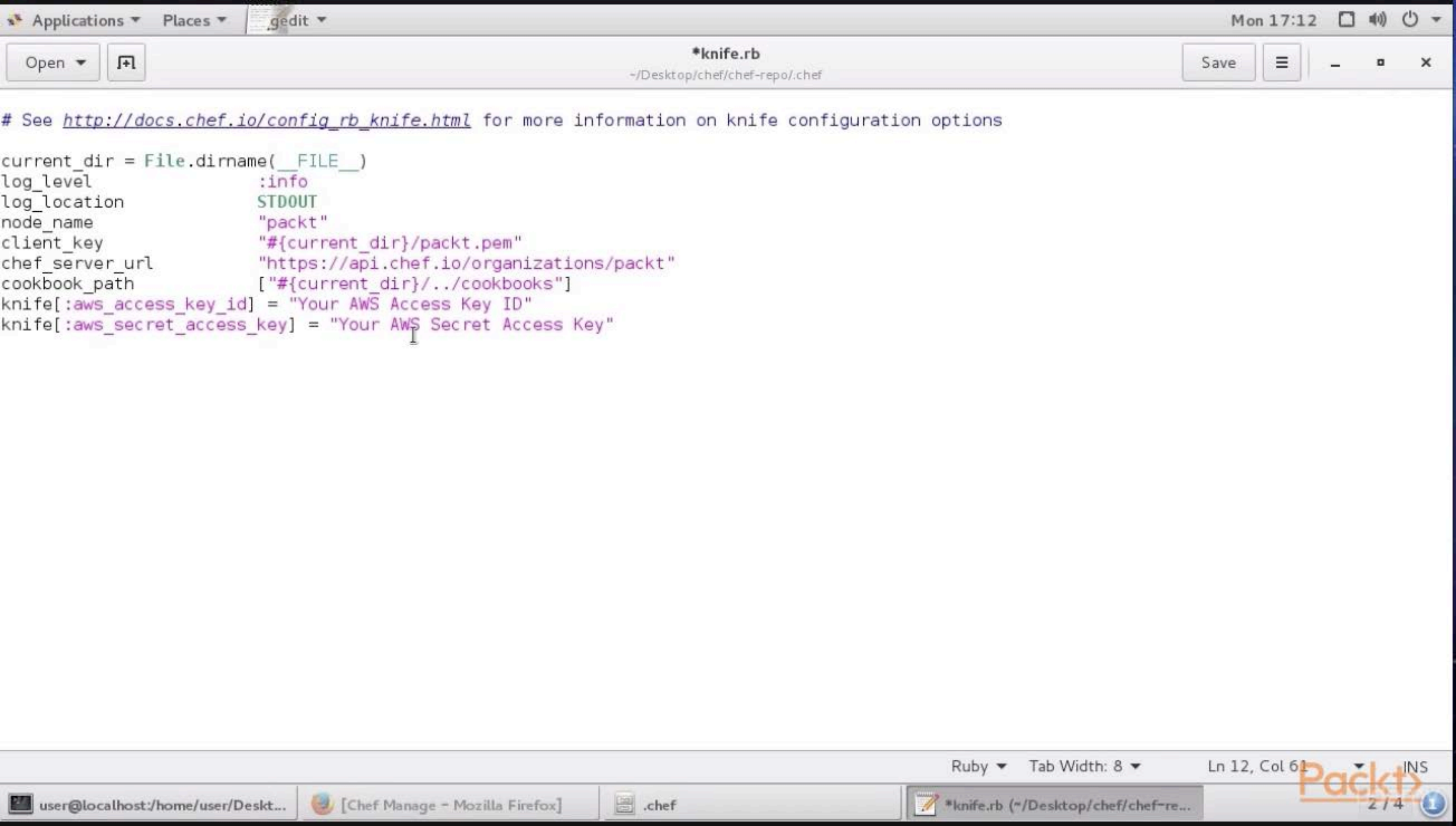
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```
[root@localhost Desktop]# rpm -ivh '/home/user/Desktop/chef/chefdk-1.0.3-1.el7.x86_64.rpm'
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Preparing...
##### [100%]
package chefdk-1.0.3-1.el7.x86_64 is already installed
[root@localhost Desktop]# chef gem install knife-ec2
```


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[root@localhost Desktop]# rpm -ivh '/home/user/Desktop/chef/chefdk-1.0.3-1.el7.x86_64.rpm'
warning: /home/user/Desktop/chef/chefdk-1.0.3-1.el7.x86_64.rpm: Header V4 DSA/SHA1 Signature, key ID 83ef826a: NOKEY
Preparing... ##### [100%]
package chefdk-1.0.3-1.el7.x86_64 is already installed
[root@localhost Desktop]# chef gem install knife-ec2
Fetching: knife-ec2-0.14.0.gem (100%)
WARNING: You don't have /root/.chefdk/gem/ruby/2.3.0/bin in your PATH,
gem executables will not run.
Successfully installed knife-ec2-0.14.0
1 gem installed
[root@localhost Desktop]# knife ec2 --help
```



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"]
knife[:aws_access_key_id] = "Your AWS Access Key ID"
knife[:aws_secret_access_key] = "Your AWS Secret Access Key"
```

Ruby ▾ Tab Width: 8 ▾

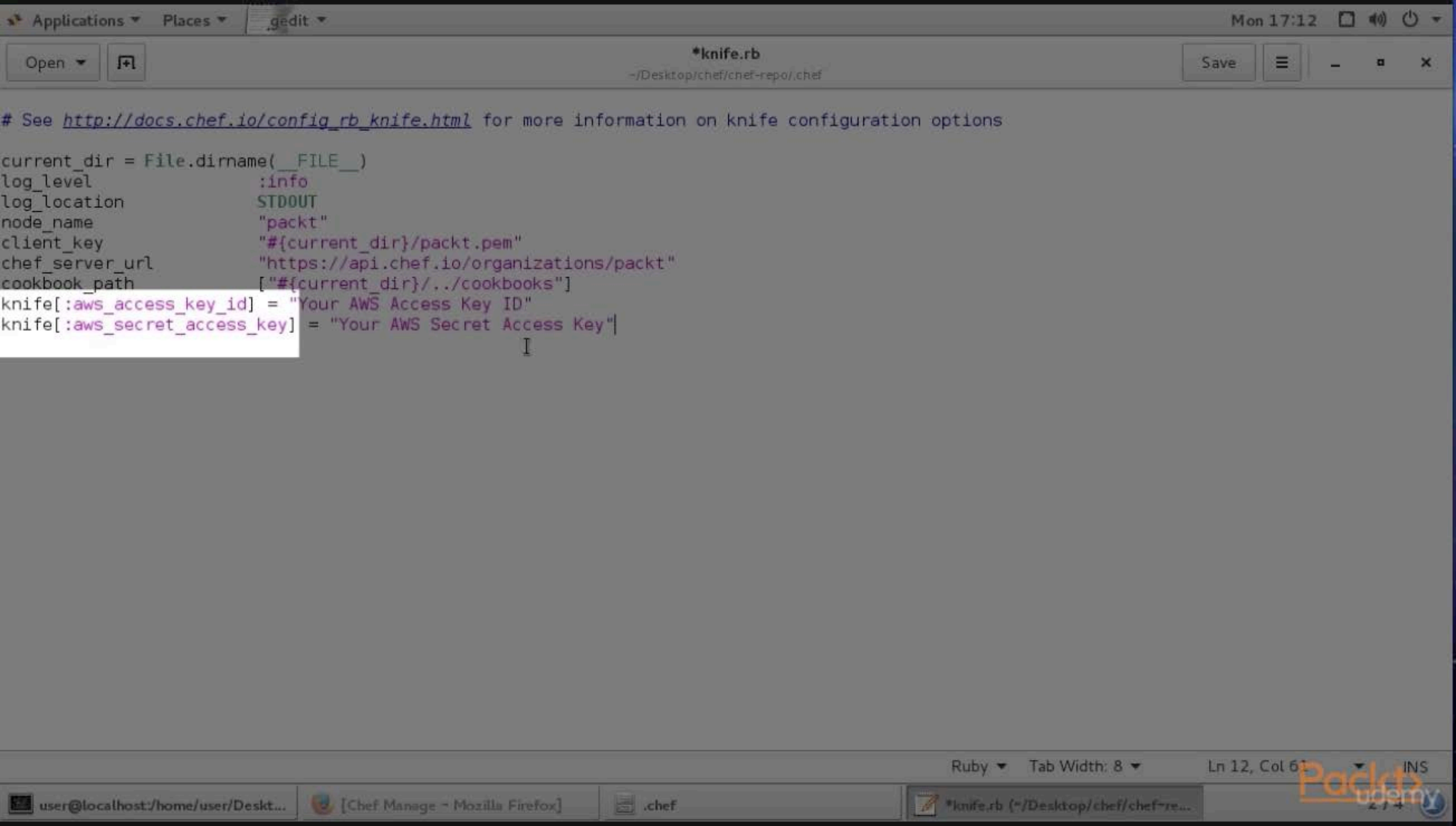
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[Chef Manage - Mozilla Firefox]

.chef

*knife.rb (~/.Desktop/chef/chef-re...



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"]
knife[:aws_access_key_id] = "Your AWS Access Key ID"
knife[:aws_secret_access_key] = "Your AWS Secret Access Key"
```

Ruby ▾ Tab Width: 8 ▾

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[Chef Manage - Mozilla Firefox]

.chef

*knife.rb (~/.Desktop/chef/chef-re...



user@localhost:/home/user/Desktop

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```
[root@localhost Desktop]# rpm -ivh '/home/user/Desktop/chef/chefdk-1.0.3-1.el7.x86_64.rpm'
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package chefdk-1.0.3-1.el7.x86_64 is already installed
[root@localhost Desktop]# chef gem install knife-ec2
Fetching: knife-ec2-0.14.0.gem (100%)
WARNING: You don't have /root/.chefdk/gem/ruby/2.3.0/bin in your PATH,
gem executables will not run.
Successfully installed knife-ec2-0.14.0
1 gem installed
[root@localhost Desktop]# knife ec2 --help
FATAL: Cannot find subcommand for: 'ec2 --help'
Available ec2 subcommands: (for details, knife SUB-COMMAND --help)

** EC2 COMMANDS **
knife ec2 amis ubuntu DISTRO [TYPE] (options)
knife ec2 flavor list (options)
knife ec2 server create (options)
knife ec2 server delete SERVER [SERVER] (options)
knife ec2 server list (options)

[root@localhost Desktop]#
```

<https://github.com/chef/knife-azure>

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```
[root@localhost Desktop]# rpm -ivh '/home/user/Desktop/chef/chefdk-1.0.3-1.el7.x86_64.rpm'
warning: /home/user/Desktop/chef/chefdk-1.0.3-1.el7.x86_64.rpm: Header V4 DSA/SHA1 Signature, key ID 83ef826a: NOKEY
Preparing... ##### [100%]
package chefdk-1.0.3-1.el7.x86_64 is already installed
[root@localhost Desktop]# chef gem install knife-ec2
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** EC2 COMMANDS **
knife ec2 amis ubuntu DISTRO [TYPE] (options)
knife ec2 flavor list (options)
knife ec2 server create (options)
knife ec2 server delete SERVER [SERVER] (options)
knife ec2 server list (options)

[root@localhost Desktop]# chef gem install knife-azure -v 1.5.2
```


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```
[root@localhost Desktop]# rpm -ivh '/home/user/Desktop/chef/chefdk-1.0.3-1.el7.x86_64.rpm'
warning: /home/user/Desktop/chef/chefdk-1.0.3-1.el7.x86_64.rpm: Header V4 DSA/SHA1 Signature, key ID 83ef826a: NOKEY
Preparing... ##### [100%]
package chefdk-1.0.3-1.el7.x86_64 is already installed
[root@localhost Desktop]# chef gem install knife-ec2
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Successfully installed knife-ec2-0.14.0
1 gem installed
[root@localhost Desktop]# knife ec2 --help
FATAL: Cannot find subcommand for: 'ec2 --help'
Available ec2 subcommands: (for details, knife SUB-COMMAND --help)

** EC2 COMMANDS **
knife ec2 amis ubuntu DISTRO [TYPE] (options)
knife ec2 flavor list (options)
knife ec2 server create (options)
knife ec2 server delete SERVER [SERVER] (options)
knife ec2 server list (options)

[root@localhost Desktop]# chef gem install knife-azure -v 1.5.2
Fetching: knife-azure-1.5.2.gem (100%)
WARNING: You don't have /root/.chefdk/gem/ruby/2.3.0/bin in your PATH,
gem executables will not run.
Successfully installed knife-azure-1.5.2
1 gem installed
[root@localhost Desktop]# knife azure --help
```


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```
knife ec2 amis ubuntu DISTR0 [TYPE] (options)
knife ec2 flavor list (options)
knife ec2 server create (options)
knife ec2 server delete SERVER [SERVER] (options)
knife ec2 server list (options)
```

```
[root@localhost Desktop]# chef gem install knife-azure -v 1.5.2
Fetching: knife-azure-1.5.2.gem (100%)
WARNING: You don't have /root/.chefdk/gem/ruby/2.3.0/bin in your PATH,
         gem executables will not run.
Successfully installed knife-azure-1.5.2
```

```
1 gem installed
[root@localhost Desktop]# knife azure --help
FATAL: Cannot find subcommand for: 'azure --help'
Available azure subcommands: (for details, knife SUB-COMMAND --help)
```

```
** AZURE COMMANDS **
knife azure ag create (options)
knife azure ag list (options)
knife azure image list (options)
knife azure internal lb create (options)
knife azure internal lb list (options)
knife azure server create (options)
knife azure server delete SERVER [SERVER] (options)
knife azure server list (options)
knife azure server show SERVER [SERVER]
knife azure vnet create (options)
knife azure vnet list (options)
```

```
[root@localhost Desktop]# https://github.com/chipx86/knife-wsfusion
```

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```
knife ec2 flavor list (options)
knife ec2 server create (options)
knife ec2 server delete SERVER [SERVER] (options)
knife ec2 server list (options)
```

```
[root@localhost Desktop]# chef gem install knife-azure -v 1.5.2
Fetching: knife-azure-1.5.2.gem (100%)
WARNING: You don't have /root/.chefdk/gem/ruby/2.3.0/bin in your PATH,
         gem executables will not run.
Successfully installed knife-azure-1.5.2
1 gem installed
```

```
[root@localhost Desktop]# knife azure --help
FATAL: Cannot find subcommand for: 'azure --help'
Available azure subcommands: (for details, knife SUB-COMMAND --help)
```

**** AZURE COMMANDS ****

```
knife azure ag create (options)
knife azure ag list (options)
knife azure image list (options)
knife azure internal lb create (options)
knife azure internal lb list (options)
knife azure server create (options)
knife azure server delete SERVER [SERVER] (options)
knife azure server list (options)
knife azure server show SERVER [SERVER]
knife azure vnet create (options)
knife azure vnet list (options)
```

```
[root@localhost Desktop]# chef gem install knife-wsfusion
```


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```
FATAL: Cannot find subcommand for: 'azure --help'
Available azure subcommands: (for details, knife SUB-COMMAND --help)
```

```
** AZURE COMMANDS **
```

```
knife azure ag create (options)
knife azure ag list (options)
knife azure image list (options)
knife azure internal lb create (options)
knife azure internal lb list (options)
knife azure server create (options)
knife azure server delete SERVER [SERVER] (options)
knife azure server list (options)
knife azure server show SERVER [SERVER]
knife azure vnet create (options)
knife azure vnet list (options)
```

```
[root@localhost Desktop]# chef gem install knife-wsfusion
Fetching: knife-wsfusion-0.1.1.gem (100%)
WARNING: You don't have /root/.chefdk/gem/ruby/2.3.0/bin in your PATH,
         gem executables will not run.
```

```
Successfully installed knife-wsfusion-0.1.1
```

```
1 gem installed
```

```
[root@localhost Desktop]# knife wsfusion --help
```

```
FATAL: Cannot find subcommand for: 'wsfusion --help'
Available wsfusion subcommands: (for details, knife SUB-COMMAND --help)
```

```
** WSFUSION COMMANDS **
```

```
knife wsfusion create (options)
```

```
[root@localhost Desktop]#
```

Next Video

Creating and Configuring a Virtual Machine in Amazon EC2