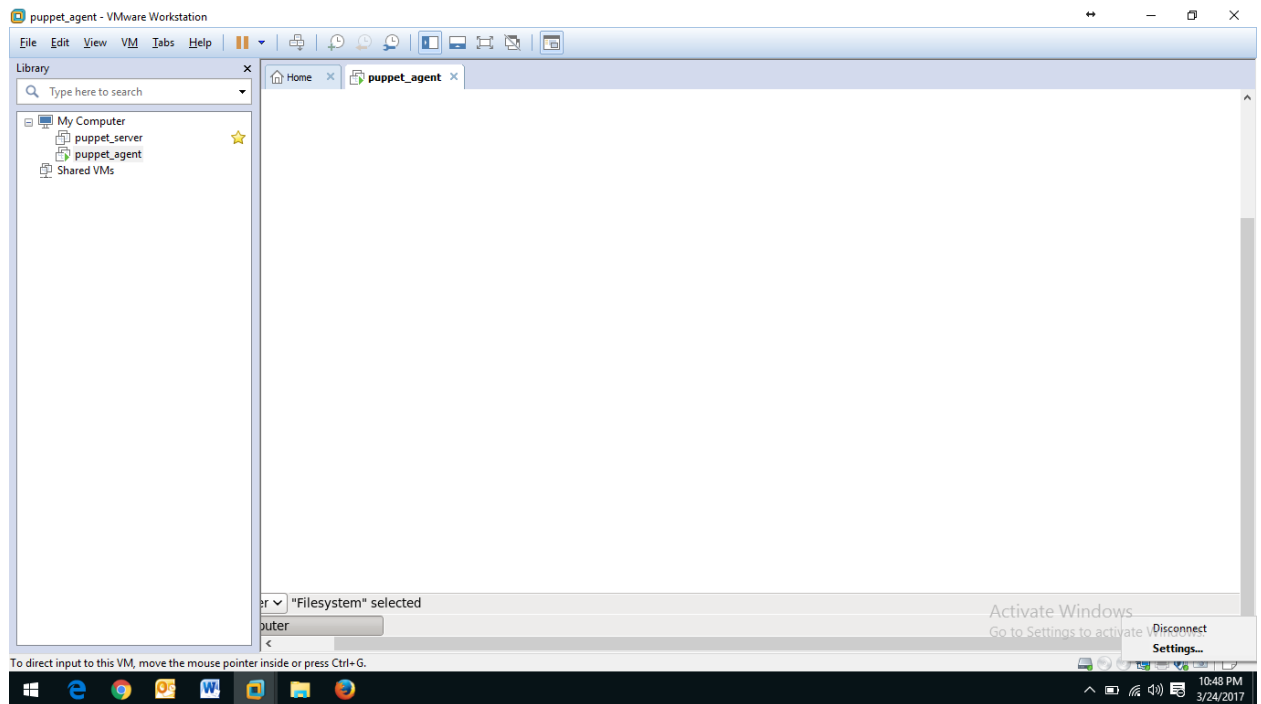
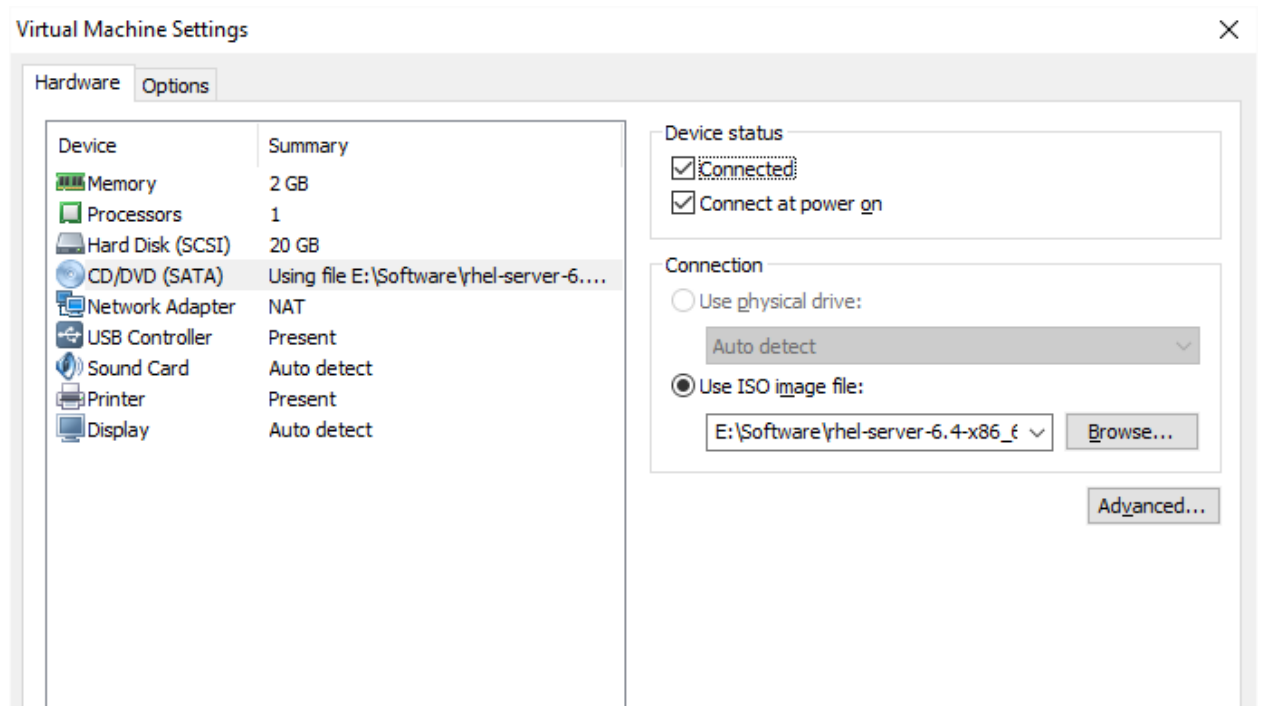


- ✚ Install Linux for puppet Master creation
- ✚ Get Yum configured as mention below
 - Step1 Mount the DVD or ISO file.

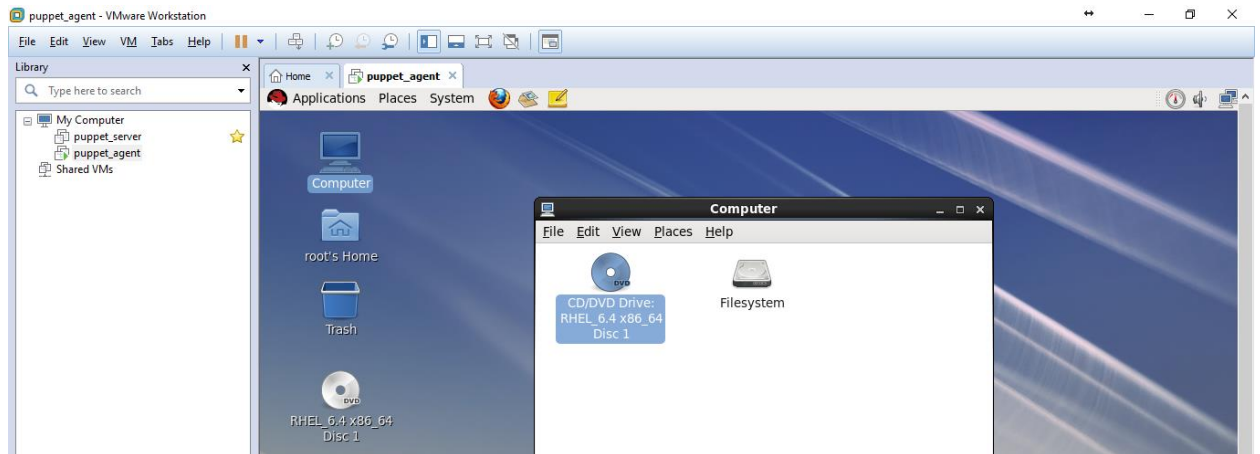
Right click in bottom and select setting



Select red hat ISO image and make sure connect checkbox is selected and select ok



You should display mount on your terminal desktop and in my computer

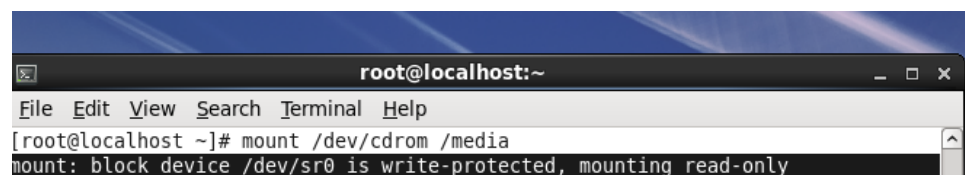


Go to terminal and give below command

- ✓ `mount /dev/cdrom /media`

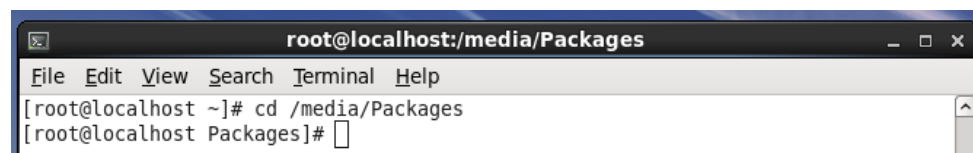
This will display

mount: block device /dev/sr0 is write-protected, mounting read-only



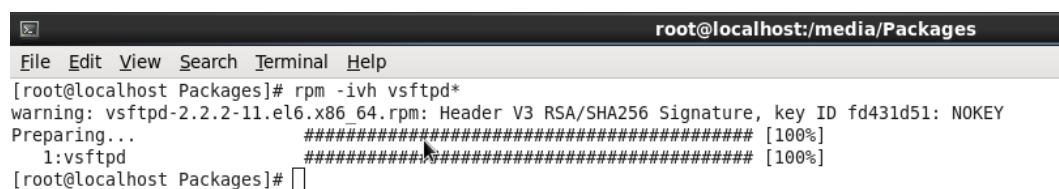
Once mount is done go to media/packages where ftp rpm can be installed giving below command

- ✓ `CD / media/Packages`

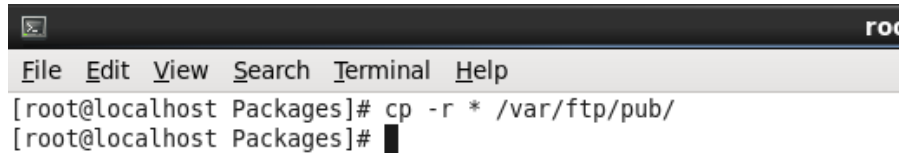


- Step 2 Installing ftp rpm in server

- ✓ `rpm -ivh vsftpd*` (give below command in terminal)



- Step3. Copy all packages in any dir (in our case we are copying into /var/ftp/pub/ directory).
 - ✓ `cp -r * /var/ftp/pub/`



```

File Edit View Search Terminal Help
[root@localhost Packages]# cp -r * /var/ftp/pub/
[root@localhost Packages]#

```

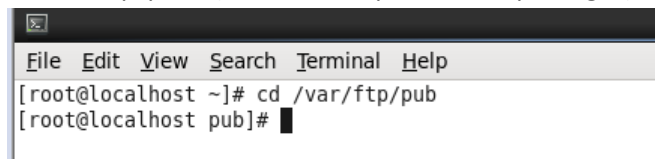
- Step 4 install create repo rpm with dependency.
 - ✓ `rpm -ivh delta*`
 - ✓ `rpm -ivh python-delta*`

```

[root@localhost Packages]# rpm -ivh delta*
warning: deltarpm-3.5-0.5.20090913git.el6.x86_64.rpm: Header V3 RSA/SHA256 Signature, key ID fd431d51: NOKEY
Preparing... ##### [100%]
1:deltarpm ##### [100%]
[root@localhost Packages]# rpm -ivh python-delta*
warning: python-deltarpm-3.5-0.5.20090913git.el6.x86_64.rpm: Header V3 RSA/SHA256 Signature, key ID fd431d51: NOKEY
Preparing... ##### [100%]
1:python-deltarpm ##### [100%]
You have mail in /var/spool/mail/root
[root@localhost Packages]#

```

- ✓ `cd /var/ftp/pub` (where we copied all our packages)



```

File Edit View Search Terminal Help
[root@localhost ~]# cd /var/ftp/pub
[root@localhost pub]#

```

- ✓ `rpm -ivh createrepo*`

```

[root@localhost Packages]# rpm -ivh createrepo*
warning: createrepo-0.9.9-17.el6.noarch.rpm: Header V3 RSA/SHA256 Signature, key ID fd431d51: NOKEY
Preparing... ##### [100%]
1:createrepo ##### [100%]
[root@localhost Packages]#

```

- ✓ `createrepo .` (this will install all your package and will create repo folder in pub)

```

[root@localhost pub]# createrepo .
Spawning worker 0 with 3720 pkgs
Workers Finished
Gathering worker results

Saving Primary metadata
Saving file lists metadata
Saving other metadata
Generating sqlite DBs
Sqlite DBs complete
[root@localhost pub]#

```

Give command to check if repodata is created

✓ ls -ltr

```

root@localhost:~# ls -ltr
-rw-r--r-- 1 root root 23380 Mar 24 11:13 xsettings-kde-0.11-1.el6.x86_64.rpm
-rw-r--r-- 1 root root 365544 Mar 24 11:13 xterm-253-1.el6.x86_64.rpm
-rw-r--r-- 1 root root 12568464 Mar 24 11:13 xulrunner-10.0.12-1.el6_3.i686.rpm
-rw-r--r-- 1 root root 12231448 Mar 24 11:13 xulrunner-10.0.12-1.el6_3.x86_64.rpm
-rw-r--r-- 1 root root 20768 Mar 24 11:13 xvattr-1.3-18.el6.x86_64.rpm
-rw-r--r-- 1 root root 140128 Mar 24 11:13 xz-4.999.9-0.3.beta.20091007git.el6.x86_64.rpm
-rw-r--r-- 1 root root 40656 Mar 24 11:13 xz-devel-4.999.9-0.3.beta.20091007git.el6.i686.rpm
-rw-r--r-- 1 root root 40632 Mar 24 11:13 xz-devel-4.999.9-0.3.beta.20091007git.el6.x86_64.rpm
-rw-r--r-- 1 root root 96552 Mar 24 11:13 xz-libs-4.999.9-0.3.beta.20091007git.el6.i686.rpm
-rw-r--r-- 1 root root 91624 Mar 24 11:13 xz-libs-4.999.9-0.3.beta.20091007git.el6.x86_64.rpm
-rw-r--r-- 1 root root 15844 Mar 24 11:13 xz-lzma-compat-4.999.9-0.3.beta.20091007git.el6.x86_64.rpm
-rw-r--r-- 1 root root 27296 Mar 24 11:13 yajl-1.0.7-3.el6.i686.rpm
-rw-r--r-- 1 root root 27360 Mar 24 11:13 yajl-1.0.7-3.el6.x86_64.rpm
-rw-r--r-- 1 root root 797032 Mar 24 11:13 yelp-2.28.1-13.el6_2.x86_64.rpm
-rw-r--r-- 1 root root 53004 Mar 24 11:13 ypbind-1.20.4-30.el6.x86_64.rpm
-rw-r--r-- 1 root root 133040 Mar 24 11:13 ypserv-2.19-26.el6.x86_64.rpm
-rw-r--r-- 1 root root 66840 Mar 24 11:13 yp-tools-2.9-12.el6.x86_64.rpm
-rw-r--r-- 1 root root 1019168 Mar 24 11:13 yum-3.2.29-40.el6.noarch.rpm
-rw-r--r-- 1 root root 27240 Mar 24 11:13 yum-metadata-parser-1.1.3-14.el6.noarch.rpm
-rw-r--r-- 1 root root 25124 Mar 24 11:13 yum-plugin-aliases-1.1.30-14.el6.noarch.rpm
-rw-r--r-- 1 root root 28496 Mar 24 11:13 yum-plugin-changelog-1.1.30-14.el6.noarch.rpm
-rw-r--r-- 1 root root 20552 Mar 24 11:13 yum-plugin-downloadonly-1.1.30-14.el6.noarch.rpm
-rw-r--r-- 1 root root 38460 Mar 24 11:13 yum-plugin-security-1.1.30-14.el6.noarch.rpm
-rw-r--r-- 1 root root 25200 Mar 24 11:13 yum-plugin-tmprepo-1.1.30-14.el6.noarch.rpm
-rw-r--r-- 1 root root 30052 Mar 24 11:13 yum-plugin-verify-1.1.30-14.el6.noarch.rpm
-rw-r--r-- 1 root root 27720 Mar 24 11:13 yum-plugin-versionlock-1.1.30-14.el6.noarch.rpm
-rw-r--r-- 1 root root 32220 Mar 24 11:13 yum-presto-0.6.2-1.el6.noarch.rpm
-rw-r--r-- 1 root root 79516 Mar 24 11:13 yum-rhn-plugin-0.9.1-43.el6.noarch.rpm
-rw-r--r-- 1 root root 103244 Mar 24 11:13 yum-utils-1.1.30-14.el6.noarch.rpm
-rw-r--r-- 1 root root 22664 Mar 24 11:13 zd1211-firmware-1.4-4.el6.noarch.rpm
-rw-r--r-- 1 root root 2766888 Mar 24 11:13 zenity-2.28.0-1.el6.x86_64.rpm
-rw-r--r-- 1 root root 265860 Mar 24 11:13 zip-3.0-1.el6.x86_64.rpm
-rw-r--r-- 1 root root 74336 Mar 24 11:13 zlib-1.2.3-29.el6.i686.rpm
-rw-r--r-- 1 root root 74620 Mar 24 11:13 zlib-1.2.3-29.el6.x86_64.rpm
-rw-r--r-- 1 root root 45052 Mar 24 11:13 zlib-devel-1.2.3-29.el6.i686.rpm
-rw-r--r-- 1 root root 45040 Mar 24 11:13 zlib-devel-1.2.3-29.el6.x86_64.rpm
-rw-r--r-- 1 root root 2238156 Mar 24 11:13 zsh-4.3.10-5.el6.x86_64.rpm
-rwxr-xr-x 2 root root 4096 Mar 25 06:58 repodata
root@localhost pub#

```

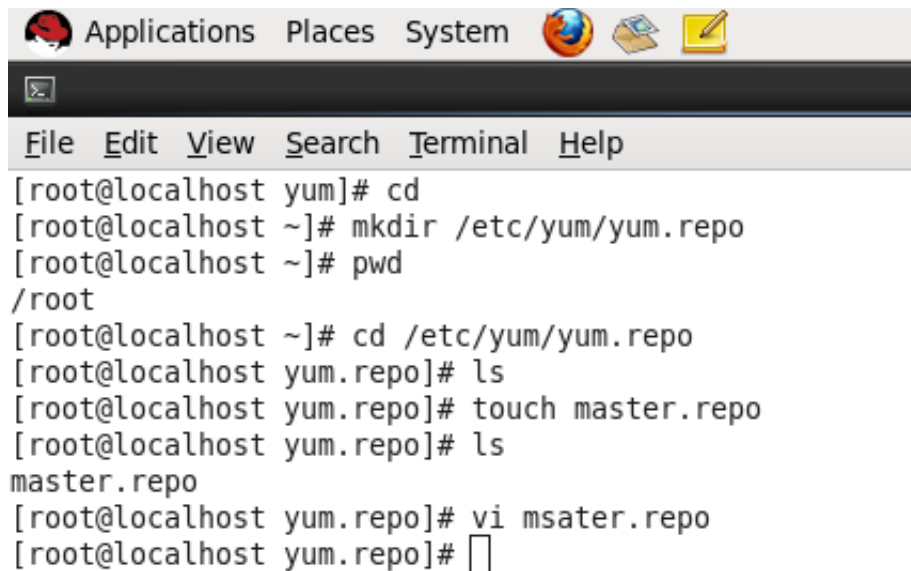
✚ Create repo directory and add content

- ✓ mkdir /etc/yum.repo.d (your repo should always be in it)
- ✓ touch master.repo (Add below content to it)


```

[Packages]
name=vipul
baseurl=file:///var/ftp/pub
enabled=1
gpgcheck=0

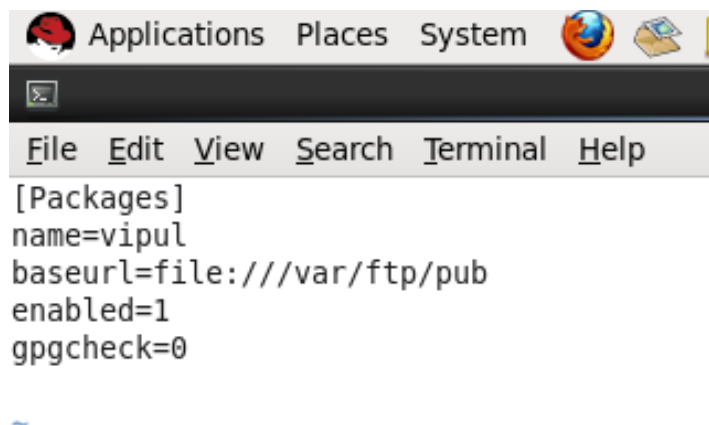
```



```

Applications Places System
File Edit View Search Terminal Help
[root@localhost yum]# cd
[root@localhost ~]# mkdir /etc/yum/yum.repo
[root@localhost ~]# pwd
/root
[root@localhost ~]# cd /etc/yum/yum.repo
[root@localhost yum.repo]# ls
[root@localhost yum.repo]# touch master.repo
[root@localhost yum.repo]# ls
master.repo
[root@localhost yum.repo]# vi msater.repo
[root@localhost yum.repo]#

```



```

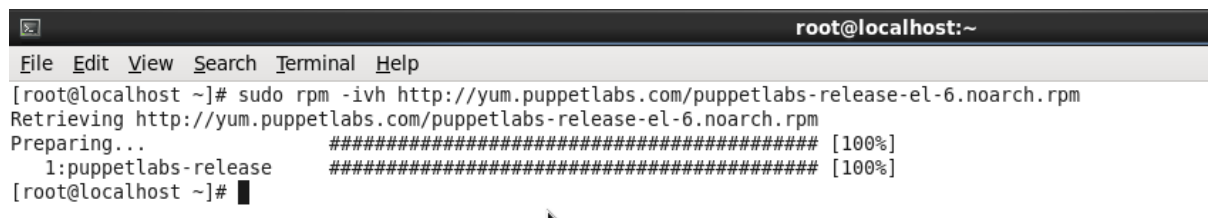
Applications Places System
File Edit View Search Terminal Help
[Packages]
name=vipul
baseurl=file:///var/ftp/pub
enabled=1
gpgcheck=0

```

✚ Enable the Puppet Package Repository

Based on linux version rpm needs to be downloaded

- ✓ Sudo rpm -ivh <https://yum.puppetlabs.com/puppetlabs-release-el-6.noarch.rpm>



```

root@localhost:~
File Edit View Search Terminal Help
[root@localhost ~]# sudo rpm -ivh http://yum.puppetlabs.com/puppetlabs-release-el-6.noarch.rpm
Retrieving http://yum.puppetlabs.com/puppetlabs-release-el-6.noarch.rpm
Preparing... ##### [100%]
 1:puppetlabs-release ##### [100%]
[root@localhost ~]#

```

✚ Installing Puppet Agent

- ✓ sudo yum install puppet

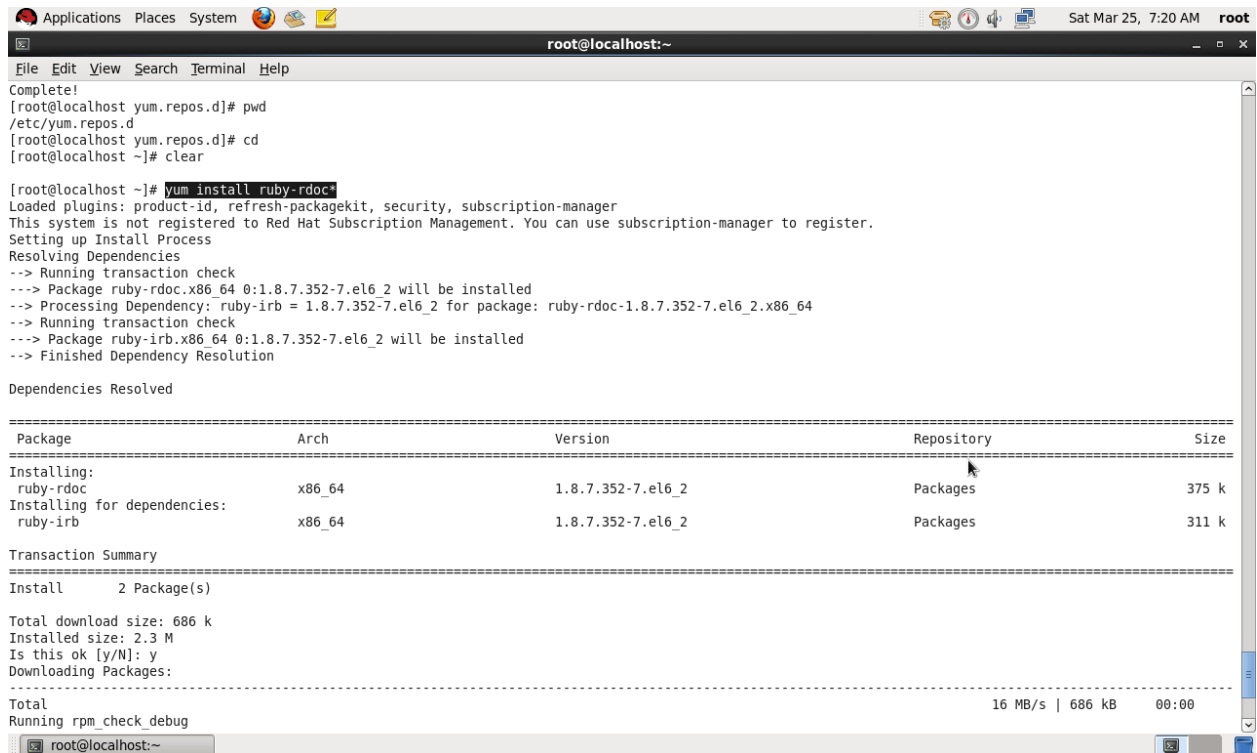
as shown below you will notice we have error associated to ruby like we have in server so we need to follow same steps that we did for server

```
[root@localhost ~]# sudo yum install puppet
Loaded plugins: product-id, refresh-packagekit, security, subscription-manager
This system is not registered to Red Hat Subscription Management. You can use subscription-manager to register.
puppetlabs-deps                                | 2.5 kB    00:00
puppetlabs-deps/primary_db                     | 27 kB    00:00
puppetlabs-products                           | 2.5 kB    00:00
puppetlabs-products/primary_db                 | 170 kB   00:01
Setting up Install Process
Resolving Dependencies
--> Running transaction check
--> Package puppet.noarch 0:3.8.7-1.el6 will be installed
--> Processing Dependency: hiera >= 1.0.0 for package: puppet-3.8.7-1.el6.noarch
--> Processing Dependency: facter >= 1:1.7.0 for package: puppet-3.8.7-1.el6.noarch
--> Processing Dependency: ruby >= 1.8 for package: puppet-3.8.7-1.el6.noarch
--> Processing Dependency: ruby >= 1.8.7 for package: puppet-3.8.7-1.el6.noarch
--> Processing Dependency: /usr/bin/ruby for package: puppet-3.8.7-1.el6.noarch
--> Processing Dependency: ruby(selinux) for package: puppet-3.8.7-1.el6.noarch
--> Processing Dependency: rubygem-json for package: puppet-3.8.7-1.el6.noarch
--> Processing Dependency: ruby-augeas for package: puppet-3.8.7-1.el6.noarch
--> Processing Dependency: ruby-shadow for package: puppet-3.8.7-1.el6.noarch
--> Running transaction check
--> Package facter.x86_64 1:2.4.6-1.el6 will be installed
--> Processing Dependency: ruby >= 1.8.7 for package: 1:facter-2.4.6-1.el6.x86_64
--> Processing Dependency: /usr/bin/ruby for package: 1:facter-2.4.6-1.el6.x86_64
--> Package hiera.noarch 0:1.3.4-1.el6 will be installed
--> Processing Dependency: ruby >= 1.8.5 for package: hiera-1.3.4-1.el6.noarch
--> Processing Dependency: /usr/bin/ruby for package: hiera-1.3.4-1.el6.noarch
--> Package puppet.noarch 0:3.8.7-1.el6 will be installed
--> Processing Dependency: ruby >= 1.8 for package: puppet-3.8.7-1.el6.noarch
--> Processing Dependency: ruby >= 1.8.7 for package: puppet-3.8.7-1.el6.noarch
--> Processing Dependency: /usr/bin/ruby for package: puppet-3.8.7-1.el6.noarch
--> Processing Dependency: ruby(selinux) for package: puppet-3.8.7-1.el6.noarch

File Edit View Search Terminal Help
Error: Package: hiera-1.3.4-1.el6.noarch (puppetlabs-products)
       Requires: /usr/bin/ruby
Error: Package: ruby-augeas-0.4.1-3.el6.x86_64 (puppetlabs-deps)
       Requires: libaugeas.so.0(AUGEAS 0.8.0) (64bit)
Error: Package: ruby-augeas-0.4.1-3.el6.x86_64 (puppetlabs-deps)
       Requires: ruby(abi) = 1.8
Error: Package: ruby-augeas-0.4.1-3.el6.x86_64 (puppetlabs-deps)
       Requires: libaugeas.so.0(AUGEAS 0.11.0) (64bit)
Error: Package: puppet-3.8.7-1.el6.noarch (puppetlabs-products)
       Requires: ruby >= 1.8.7
Error: Package: ruby-augeas-0.4.1-3.el6.x86_64 (puppetlabs-deps)
       Requires: libaugeas.so.0() (64bit)
Error: Package: hiera-1.3.4-1.el6.noarch (puppetlabs-products)
       Requires: ruby >= 1.8.5
Error: Package: ruby-augeas-0.4.1-3.el6.x86_64 (puppetlabs-deps)
       Requires: libaugeas.so.0(AUGEAS 0.12.0) (64bit)
Error: Package: ruby-augeas-0.4.1-3.el6.x86_64 (puppetlabs-deps)
       Requires: augeas-libs >= 0.8.0
Error: Package: ruby-augeas-0.4.1-3.el6.x86_64 (puppetlabs-deps)
       Requires: libaugeas.so.0(AUGEAS 0.10.0) (64bit)
Error: Package: puppet-3.8.7-1.el6.noarch (puppetlabs-products)
       Requires: /usr/bin/ruby
Error: Package: 1:ruby-shadow-2.2.0-2.el6.x86_64 (puppetlabs-deps)
       Requires: ruby
Error: Package: 1:facter-2.4.6-1.el6.x86_64 (puppetlabs-products)
       Requires: ruby >= 1.8.7
Error: Package: puppet-3.8.7-1.el6.noarch (puppetlabs-products)
       Requires: ruby >= 1.8
Error: Package: ruby-augeas-0.4.1-3.el6.x86_64 (puppetlabs-deps)
       Requires: libaugeas.so.0(AUGEAS 0.1.0) (64bit)
Error: Package: ruby-augeas-0.4.1-3.el6.x86_64 (puppetlabs-deps)
       Requires: libruby.so.1.8() (64bit)
Error: Package: 1:ruby-shadow-2.2.0-2.el6.x86_64 (puppetlabs-deps)
       Requires: libruby.so.1.8() (64bit)
Error: Package: 1:facter-2.4.6-1.el6.x86_64 (puppetlabs-products)
       Requires: /usr/bin/ruby
You could try using --skip-broken to work around the problem
You could try running: rpm -Va --nofiles --nodigest
[root@localhost ~]#
```

resolving ruby error

✓ yum install ruby-rdoc*



```

root@localhost:~
File Edit View Search Terminal Help
Complete!
[root@localhost yum.repos.d]# pwd
/etc/yum.repos.d
[root@localhost yum.repos.d]# cd
[root@localhost ~]# clear

[root@localhost ~]# yum install ruby-rdoc*
Loaded plugins: product-id, refresh-packagekit, security, subscription-manager
This system is not registered to Red Hat Subscription Management. You can use subscription-manager to register.
Setting up Install Process
Resolving Dependencies
--> Running transaction check
--> Package ruby-rdoc.x86_64 0:1.8.7.352-7.el6_2 will be installed
--> Processing Dependency: ruby-irb = 1.8.7.352-7.el6_2 for package: ruby-rdoc-1.8.7.352-7.el6_2.x86_64
--> Running transaction check
--> Package ruby-irb.x86_64 0:1.8.7.352-7.el6_2 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

=====
Package                                Arch                                Version                                Repository                                Size
=====
Installing:
ruby-rdoc                                x86_64                                1.8.7.352-7.el6_2                                Packages                                375 k
Installing for dependencies:
ruby-irb                                x86_64                                1.8.7.352-7.el6_2                                Packages                                311 k
=====

Transaction Summary
-----
Install      2 Package(s)

Total download size: 686 k
Installed size: 2.3 M
Is this ok [y/N]: y
Downloading Packages:
-----
Total
Running rpm check debug                                         16 MB/s | 686 kB    00:00
-----
root@localhost:~

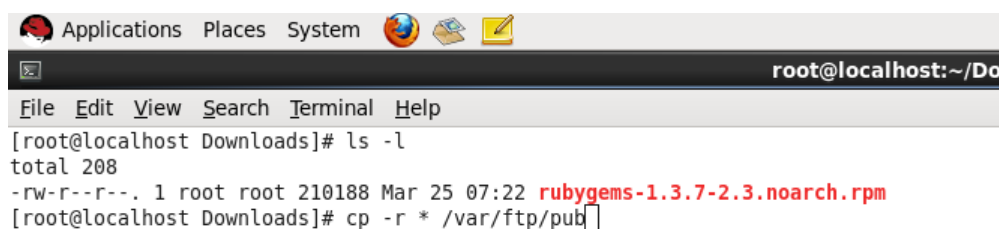
```

Download RPM file from net

http://rpm.pbone.net/index.php3/stat/4/idpl/23767236/dir/redhat_el_6/com/rubygems-1.3.7-2.3.noarch.rpm.html

copy the same where all rpm is available

(Not necessary but in my case I have copied /var/ftp/pub



```

root@localhost:~/Downloads
File Edit View Search Terminal Help
[root@localhost Downloads]# ls -l
total 208
-rw-r--r--. 1 root root 210188 Mar 25 07:22 rubygems-1.3.7-2.3.noarch.rpm
[root@localhost Downloads]# cp -r * /var/ftp/pub

```

Go to rpm location

✓ `CD /var/ftp/pub`

Now you are in location where your downloaded RPM is available give below command to install

✓ `rpm -ivh rubygems-1.3.7-2.3.noarch.rpm`

```
root@localhost:~# cd /var/ftp/pub
[root@localhost pub]# rpm -ivh rubygems-1.3.7-2.3.noarch.rpm
warning: rubygems-1.3.7-2.3.noarch.rpm: Header V3 DSA/SHA1 Signature, key ID 0b8f71fe: NOKEY
Preparing... ##### [100%]
 1:rubygems ##### [100%]
[root@localhost pub]#
```

After this you will be able to install puppet without ruby error

✓ `sudo yum install puppet`

Once installation is completed you will be able to see puppet version and its folder structure

```
Applications Places System Sat Mar 25, 7:45 AM root
root@localhost:~# puppet --version
3.8.7
[root@localhost ~]# cd /etc
[root@localhost etc]# cd puppet/
[root@localhost puppet]# ls
auth.conf  modules  puppet.conf
```