Linux Commands Cheat Sheet

Easy to use Linux shortcuts for developers.



ssh [ip or hostname]
"vagrant ssh" in the same
directory as the Vagrantfile
to shell into the box/machine
(assumes you have
successfully "vagrant up")

Secure shell, an encrypted network protocol allowing for remote login and command execution On Windows: PuTTY and WinSCP An "ssh.exe" is also available via Cygwin as well as with a Git installation.

```
pwd
                                     Print Working Directory
                                     Displays the full path name
whoami
                                     Displays your logged in user id
cd /
                                     Change directory to the root of the filesystem
cd target
                                     Change directory to "target" directory
                                     Change directory to your home directory
cd ~
                                     Directory listing
ls
Is -I
                                     Long listing, displays file ownership
Is -la
                                     Displays hidden files/directories
```

```
[vagrant@rhel-cdk /]$ ls
                etc home lib
                                 1ib64
                                         lost+found media
bin boot dev
                                                                        pro
[vagrant@rhel-cdk /]$ ls -l
total 62
lrwxrwxrwx.
              1 root
                         root
                                      7 Mar
                                             8 20:36 bin -> usr/bin
dr-xr-xr-x.
              4 root
                         root
                                   1024 Mar 12 19:26 boot
drwxr-xr-x.
             18
                root
                         root
                                   3100 Mar 12
drwxr-xr-x.
             85 root
                         root
                                   4096
                                       Mar 12
                                               19:31 etc
                                   4096 Mar
              3 root
                         root
                                             8 20:54 home
drwxr-xr-x.
                                             8 20:36 lib -> usr/lib
lrwxrwxrwx.
              1 root
                         root
                                      7 Mar
lrwxrwxrwx.
              1 root
                         root
                                      9 Mar
                                             8 20:36 lib64 -> usr/lib64
              2 root
                         root
                                 16384 Mar
                                             8
                                               20:34 lost+found
                root
                                   4096 May 25
                                                2015 media
                         root
                root
                                   4096 May 25
                         root
              3 root
                         root
                                   4096 Mar
                                             8
                                               20:50 opt
drwxr-xr-x.
dr-xr-xr-x. 166 root
                                      0 Mar 12
                                               19:26 proc
                         root
                                   4096 Mar 12 19:30 root
              3 root
                         root
drwxr-xr-x.
                                   1000 Mar 12
             31 root
                         root
              1 root
                                               20:36 sbin -> usr/sbin
                         root
                                      8 Mar
lrwxrwxrwx.
                                   4096 May 25
                root
drwxr-xr-x.
                         root
                                               19:26 sys
             13 root
                         root
                                       Mar 12
dr-xr-xr-x.
drwxrwxrwt.
              7 root
                         root
                                   4096 Mar 12
             13 root
                                   4096 Mar
                                             8 20:36 usr
drwxr-xr-x.
                         root
                                  4096 Mar 12 19:25 vagrant
                vagrant vagrant
             19 root
                                   4096 Mar 12 19:26 var
drwxr-xr-x.
                         root
[vagrant@rhel-cdk /]$ [
```

clear

cat file.txt

Displays the contents of file.txt to standard out

cat /etc/system-release

Displays the contents of the system-release file what version of RHEL, Centos or Fedora are you running?

[vagrant@rhel-cdk etc]\$ cat /etc/system-release
Red Hat Enterprise Linux Server release 7.2 (Maipo)
[vagrant@rhel-cdk etc]\$ □

cat longfile.txt | more

Displays the contents of the file with forward paging

```
Count is 0
Count is 1
Count is 2
Count is 3
Count is 4
Count is 5
Count is 6
Count is 7
Count is 8
Count is 10
Count is 11
Count is 12
Count is 13
Count is 14
Count is 15
Count is 16
Count is 17
Count is 18
Count is 19
Count is 10
Count is 10
Count is 11
Count is 12
Count is 12
Count is 15
Count is 16
Count is 17
Count is 18
Count is 18
Count is 20
Count is 20
Count is 21
Count is 22
Count is 23
Count is 24
Count is 25
Count is 27
--More--
```

less longfile.txt

Scroll forward: Ctrl-f Scroll backward: Ctrl-b End of file: G

Quit less: q

man cat

Man pages, the user manual. In this case, it will describe the cat command

```
cat - concatenate files and print on the standard output
      cat [OPTION] ... [FILE] ...
DESCRIPTION
       Concatenate FILE(s), or standard input, to standard output.
       -A, --show-all
              equivalent to -vET
       -b, --number-nonblank
              number nonempty output lines, overrides -n
              equivalent to -\boldsymbol{v}\boldsymbol{E}
              display $ at end of each line
              number all output lines
           --squeeze-blank
              suppress repeated empty output lines
              equivalent to -vT
           --show-tabs
              display TAB characters as ^I
```

cp source_file.js target_file.js
cp -r ~/source_dir ~/target_dir

Copies a specific file Copies all files and sub-dirs

mkdir my_directory

Create the directory "my_directory"

```
[vagrant@rhel-cdk ~]$ mkdir my_directory
[vagrant@rhel-cdk ~]$ ls -la
total 32
drwx----.
           5 vagrant vagrant 4096 Mar 12 21:39
                              4096 Mar
                                        8 20:54
drwxr-xr-x.
           3 root
                      root
-rw-r--r--. 1 vagrant vagrant
                                18 Jul
                                        8
                                           2015 .bash logout
                               193 Jul
           1 vagrant vagrant
                                        8
                                           2015 .bash profile
-rw-r--r-. 1 vagrant vagrant
                               231 Jul
                                        8
                                           2015 .bashrc
           2 vagrant vagrant 4096 Mar
                                       12 19:26 .docker
drwxrwxr-x. 2 vagrant vagrant 4096 Mar 12 21:39 my_directory
            2 vagrant vagrant 4096 Mar 12 19:26 .ssh
[vagrant@rhel-cdk ~]$
```

```
rm myfile.js
rm -rf my_directory/
Removes a specific file
Removes a directory, recursively

mv [source_file] [target_file]

Move file or directory

ps -ef

Displays information about a selection of the active processes
```

```
[vagrant@rhel-cdk etc]$ ps -ef
                        C STIME
            PID
                 PPID
                                                TIME CMD
                                 TTY
                        0 19:26
                                           00:00:02 /usr/lib/systemd/systemd
root
              1
                     0
              2
                     0
                        0 19:26
                                           00:00:00 [kthreadd]
root
              3
                     2
                        0 19:26
                                           00:00:01
                                                     [ksoftirqd/0]
root
                     2
                        0 19:26
                                           00:00:05
                                                     [kworker/0:0H]
root
                     2
                        0 19:26
                                           00:00:00
                                                      [migration/0]
root
                     2 2 2
root
              8
                        0 19:26
                                           00:00:00
                                                      [rcu bh]
root
              9
                        0 19:26
                                           00:00:00
                                                      [rcuob/0]
                        0
                                           00:00:00
                                                      [rcuob/1]
root
             10
                          19:26
                        0
                                                      [rcu_sched]
root
             11
                          19:26
                                           00:00:19
                     2
             12
                        0
root
                          19:26
                                           00:00:14
                                                      [rcuos/0]
                     2 2 2
             13
                        0
                          19:26
                                           00:00:16
                                                      [rcuos/1]
root
             14
                        0 19:26
root
                                           00:00:00
                                                      [watchdog/0]
             15
                        0 19:26
                                           00:00:00
                                                      [watchdog/1]
root
                     2
                        0 19:26
             16
                                           00:00:00
                                                      [migration/1]
root
                     2
                        0 19:26
             17
                                           00:00:00
                                                      [ksoftirqd/1]
root
                     2
             19
                        0 19:26
                                           00:00:00
                                                      [kworker/1:0H]
root
                     2
             20
                        0 19:26
                                           00:00:00
                                                      [khelper]
root
                     2
                        0 19:26
             21
                                           00:00:00
                                                      [kdevtmpfs]
root
             22
                     2
                                           00:00:00
                        0 19:26
                                                      [netns]
root
                     2
             23
                        0
                                           00:00:00
root
                                                      [perf]
                     2
             24
                        0
                                           00:00:00
                          19:26
                                                      [writeback]
root
                     2
             25
                        0 19:26
                                           00:00:00
root
                                                      [kintegrityd]
             26
                        0 19:26
                                           00:00:00
                                                      [bioset]
root
             27
                        0 19:26
                                           00:00:00
                                                      [kblockd]
root
                     2
             28
                        0 19:26
                                           00:00:00
                                                      [md]
root
                     2
root
             29
                        0 19:26
                                           00:00:02
                                                      [kworker/0:1]
                     2
root
             34
                        0 19:26
                                           00:00:00
                                                      [khungtaskd]
             35
                        0 19:26 ?
                                           00:00:01 [kswapd0]
root
                     2
                        0 19:26
             36
                                           00:00:00 [ksmd]
root
```

./runthisthing

Execute a program or shell script in your current working directory (pwd)

Executable items are have an "x" in their long listing (ls -la)

```
vagrant@rhel-cdk bin]$ pwd
/usr/bin
[vagrant@rhel-cdk bin]$ ls -la
                               | grep cp
              1 root root
                               155136 Nov 25
                                             10:55 CD
rwxr-xr-x.
                               141632 Jul
                                           8
                                              2015 cpio
              1 root root
                               768592 Jul
                                          15
                                               2015 cpp
              1 root root
                                67928 Jan 23 05:07 cpupower
              1 root root
                                              2015 lscpu
                                58352 Aug 21
rwxr-xr-x.
               root root
                                11400 Sep 15 05:51 rpm2cpio
rwxr-xr-x.
               root
                    root
                                70360 Jan 13 10:22 scp
              1 root root
vagrant@rhel-cdk bin]$ [
```

```
vagrant@rhel-cdk ~]$ cd ~
[vagrant@rhel-cdk ~]$ ls -la
total 32
drwx----. 4 vagrant vagrant 4096 Mar 12 21:04
                              4096 Mar
                                        8 20:54
drwxr-xr-x. 3 root
                      root
           1 vagrant vagrant
                                18 Jul
                                        8
                                           2015 .bash_logout
                               193 Jul
                                           2015 .bash profile
           1 vagrant vagrant
                                        8
                               231 Jul
                                          2015 .bashrc
   -r--r--. 1 vagrant vagrant
drwxr-xr-x. 2 vagrant vagrant 4096 Mar 12 19:26 .docker
-rwxrwxr-x. 1 vagrant vagrant
                               107 Mar 12 21:04 runthisthing
drwx----. 2 vagrant <u>v</u>agrant 4096 Mar 12 19:26 .ssh
vagrant@rhel-cdk ~]$
```

./runthisthing &

Execute a program or shell script as a background task

ps -ef | grep runthisthing

Find a particular process by name. The " \mid " is a pipe, redirects the output of the left-side command to the standard input of the right-side command

```
[vagrant@rhel-cdk ~]$ ./runthisthing &
[3] 22047
[vagrant@rhel-cdk ~]$ ps -ef | grep runthisthing
vagrant 22047 14771 99 21:11 pts/0 00:00:05 /bin/bash ./runthisthing
vagrant 22060 14771 0 21:11 pts/0 00:00:00 grep --color=auto runthisthing
[vagrant@rhel-cdk ~]$ [
```

kill -9 [pid]

ip -4 a

Shows the IPv4 address for all NICs

top What is eating your CPU

```
1:51, 1 user, load average: 0.41, 0.67, 0.49
4 running, 151 sleeping, 2 stopped, 0 zombie
3.7 sy, 0.0 ni, 48.5 id, 0.2 wa, 0.0 hi, 0.2 si, 0.0 st
top - 21:17:06 up
Tasks: 157 total,
%Cpu(s): 47.4 us,
KiB Mem : 1017056 total,
                                   108588 free,
                                                      378700 used,
                                                                          529768 buff/cache
             1572860 total,
                                  1559232 free,
                                                        13628 used.
                                                                          436384 avail Mem
KiB Swap:
                                                    SHR S %CPU %MEM
                                                                               TIME+ COMMAND
  PID USER
                         NI
                                 VIRT
                                           RES
22526 vagrant
                              113116
                                          1184
                                                   1008 R 100.0 0.1
                                                                             0:08.06 runthisthing
                                                                           12:36.47 openshift
1:10.37 docker
0:10.46 systemd-journal
                                                 15992 S
11004 S
                    20
                          0 1448088 233012
13368 root
                                                             10.0 22.9
                             1377296
43588
13168 root
                    20
                          0
                                         44816
                                                              1.3
                                                                   4.4
                                                   6892
                                          9560
                                                              0.3
                                                                    0.9
  453 root
                          0
                    20
                                                                             0:02.06 systemd
     1 root
                    20
                           0
                                43896
                                          5532
                                                   3568
                                                              0.0
                                                                    0.5
                    20
                           0
                                                       0 5
                                                              0.0
                                                                             0:00.03 kthreadd
     2 root
                                     0
                                              0
                                                                    0.0
                                                      e R 0 5
                                                                            0:01.45 ksoftirqd/0 0:06.25 kworker/0:0H
                                     0
                                                                    0.0
     3 root
                    20
                           0
                                              0
                                                              0.0
                     0
                        -20
                                              0
                                                              0.0
     5 root
                                                                             0:00.66 migration/0
                          0
                                                       0
     7 root
                    rt
                                     0
                                              0
                                                              0.0
                                                                    0.0
                          0
                                                       0
                                                         S
     8 root
                    20
                                     0
                                              0
                                                              0.0
                                                                    0.0
                                                                             0:00.00 rcu_bh
                                                                            0:00.00 rcuob/0
0:00.00 rcuob/1
     9 root
                          0
                                                         S
                    20
                                     0
                                              0
                                                              0.0
                                                                    0.0
                    20
                           0
                                     0
                                                       0
    10 root
                                              0
                                                              0.0
                                                                    0.0
                    20
                           0
                                                       0
                                                         S
                                                                             0:24.92 rcu_sched
    11 root
                                              0
                                                              0.0
                                                                    0.0
                           Ö
                                                                             0:18.26 rcuos/0
                                                       0
    12 root
                    20
                                     0
                                                              0.0
                                                                    0.0
                                                                            0:21.08 rcuos/1
0:00.19 watchdog/0
0:00.20 watchdog/1
                           000
                                     0
                                                       0
   13 root
                    20
                                              0
                                                              0.0
                                                                    0.0
   14 root
                                     0
                                              0
                                                       0
                                                              0.0
                                                                    0.0
                    rt
                          0
    15 root
                    rt
                                     0
                                              0
                                                       0
                                                              0.0
                                                                    0.0
   16 root
                          0
                                     0
                                              0
                                                       0
                                                         S
                                                              0.0
                                                                             0:00.72 migration/1
                    rt
                                                                    0.0
                          0
                                     0
    17 root
                    20
                                              0
                                                              0.0
                                                                    0.0
                                                                             0:01.08 ksoftirqd/1
                       -20
                                                                            0:00.00 kworker/1:0H
0:00.00 khelper
   19 root
                     0
                                     0
                                              0
                                                       0
                                                              0.0
                                                                    0.0
                                                         S
    20
       root
                     0
                        -20
                                     0
                                              0
                                                       0
                                                              0.0
                                                                    0.0
                                                       0
                                                                             0:00.02 kdevtmpfs
                    20
                         0
                                     0
                                              0
                                                         S
                                                              0.0
    21 root
                                                                    0.0
                     0
                                     0
                                                       0
    22 root
                       -20
                                              0
                                                              0.0
                                                                    0.0
                                                                             0:00.00 netns
                                                                            0:00.00 perf
0:00.00 writeback
0:00.00 kintegrityd
   23 root
                                     0 0
                                                         S
                     0 -20
                                              0
                                                       0
                                                                    0.0
                                                              0.0
                                                       0
    24
       root
                     0
                        -20
                                              0
                                                              0.0
                                                                     0.0
       root
```

which [executable]

Where is the executable located

```
[vagrant@rhel-cdk ~]$ which docker
/usr/bin/docker
[vagrant@rhel-cdk ~]$ which oc
/usr/bin/oc
[vagrant@rhel-cdk ~]$ which top
/usr/bin/top
[vagrant@rhel-cdk ~]$ [
```

echo "Stuff" > target_file.txt echo "more" >> target_file.txt

single > redirects the output to the file "target_file.txt" A double >> appends

```
vagrant@rhel-cdk ~]$ cd ~
[vagrant@rhel-cdk ~]$ ls -la
total 32
drwx----. 4 vagrant vagrant 4096 Mar 12 21:29 .
                      root
                              4096 Mar 8 20:54 .
drwxr-xr-x. 3 root
                               18 Jul 8 2015 .bash_logout
193 Jul 8 2015 .bash_profile
rw-r--r--. 1 vagrant vagrant
            1 vagrant vagrant
                                            2015 .bash_profile
rw-r--r-. 1 vagrant vagrant 231 Jul 8 2015 .bashrc
drwxr-xr-x. 2 vagrant vagrant 4096 Mar 12 19:26 .docker
-rwxrwxr-x. 1 vagrant vagrant 114 Mar 12 21:11 runthisthing
drwx----. 2 vagrant vagrant 4096 Mar 12 19:26 .ssh
[vagrant@rhel-cdk ~]$ echo "stuff" > target_file.txt
[vagrant@rhel-cdk ~]$ cat target_file.txt
stuff
[vagrant@rhel-cdk ~]$ echo "more" >> target_file.txt
[vagrant@rhel-cdk ~]$ cat target_file.txt
more
[vagrant@rhel-cdk ~]$ ls -la
total 36
drwx----. 4 vagrant vagrant 4096 Mar 12 21:29 .
                                drwxr-xr-x. 3 root
                              4096 Mar
                      root
            1 vagrant vagrant
rw-r--r-. 1 vagrant vagrant 193 Jul 8 2015 .bash_profile
-rw-r--r-. 1 vagrant vagrant 231 Jul 8 2015 .bashrc
drwxr-xr-x. 2 vagrant vagrant 4096 Mar 12 19:26 .docker
            1 vagrant vagrant 114 Mar 12 21:11 runthisthing
         -. 2 vagrant vagrant 4096 Mar 12 19:26 .ssh
  w-rw-r--. 1 vagrant vagrant
                                 11 Mar 12 21:29 target_file.txt
[vagrant@rhel-cdk ~]$ 🗌
```

echo \$PATH

Displays the \$PATH environment variable

[vagrant@rhel-cdk ~]\$ echo \$PATH /usr/local/bin:/usr/bin:/usr/local/sbin:/usr/sbin:/home/vagrant/.local/bin:/home/vagrant/bin

env	Displays all ENV variables
export PATH=\$PATH:/anoth- erdir	Adds "anotherdir" to your PATH, just for your current session

sudo find . -name [file]

Find a file or directory by name

```
[vagrant@rhel-cdk /]$ cd /
[vagrant@rhel-cdk /]$ sudo find . -name vagrant
./var/spool/mail/vagrant
./vagrant
./vagrant/src/booker/vagrant
./etc/sudoers.d/vagrant
./home/vagrant
[vagrant@rhel-cdk /]$ []
```

grep -i stuff `find . -name *.txt Find the string "stuff" in all the .txt files
-print`

```
[vagrant@rhel-cdk /]$ cd ~
[vagrant@rhel-cdk ~]$ echo "Stuff" > target_file.txt
[vagrant@rhel-cdk ~]$ echo "more" >> target_file.txt
[vagrant@rhel-cdk ~]$ ls
my_directory target_file.txt
[vagrant@rhel-cdk ~]$ grep -i stuff `find . -name \*.txt -print`
"Stuff"
[vagrant@rhel-cdk ~]$ [
```

head [file]	Output the first part of file (first 10 lines)
curl developers.redhat.com	Retrieve the content from <u>developers.redhat.com</u>
source myenvsetting_script.sh	How to add something to the PATH and make it stick By default a new shell is launched to run a script, therefore env changes are not visible to your current shell.

```
[vagrant@rhel-cdk ~]$ ls
myenvsetting_script.sh mystuff
[vagrant@rhel-cdk ~]$ cat myenvsetting_script.sh
export MY_STUFF=/home/vagrant/mystuff
export PATH=$PATH:$MY_STUFF/bin
[vagrant@rhel-cdk ~]$ source myenvsetting_script.sh
[vagrant@rhel-cdk ~]$ echo $PATH
/usr/local/bin:/usr/bin:/usr/local/sbin:/home/vagrant/.local/bin
:/home/vagrant/bin:/home/vagrant/mystuff/bin
[vagrant@rhel-cdk ~]$
```

Note: the path uses ":" as a separator vs ";" in the Windows world

sudo yum -y install net-tools

"yum" is the installation tool for Fedora, Centos and RHEL. This command installs "net-tools" which has many handy utilities like netstat

```
[vagrant@rhel-cdk ~]$ sudo yum -y install net-tools
Loaded plugins: product-id, search-disabled-repos, subscription-manager
Resolving Dependencies
 --> Running transaction check
---> Package net-tools.x86_64 0:2.0-0.17.20131004git.el7 will be installed
--> Finished Dependency Resolution
Dependencies Resolved
 Package Arch Version
                                                                   Repository
 net-tools x86_64 2.0-0.17.20131004git.el7 rhel-7-server-eus-rpms 304 k
Transaction Summary
Install 1 Package
Total download size: 304 k
Installed size: 917 k
Downloading packages:
net-tools-2.0-0.17.20131004git.el7.x86_64.rpm
Running transaction check
                                                                              1 304 kB
Running transaction test
Transaction test succeeded
Running transaction
Installing: net-tools-2.0-0.17.20131004git.el7.x86_64
Verifying: net-tools-2.0-0.17.20131004git.el7.x86_64
Installed:
  net-tools.x86_64 0:2.0-0.17.20131004git.el7
Complete!
[vagrant@rhel-cdk ~]$ [
```

sudo netstat -anp | grep tcp | grep LISTEN

Lists the various in-use ports and the process using it

```
vagrant@rhel-cdk
                                                                                      27967/haproxy
tcp
                   0 127.0.0.1:10444
                                               0.0.0.0:*
                                                                                      27967/haproxy
tcp
                   0 0.0.0.0:80
                                                                                      27967/haproxy
tcp
                                               0.0.0.0:*
                   0 0.0.0.0:1936
0 0.0.0.0:53
                                               0.0.0.0:*
                                                                                     27967/haproxy
tcp
                                               0.0.0.0 *
                                                                                     13368/openshift
           0
tcp
                   0 0.0.0.0:22
0 127.0.0.1:25
                                               0.0.0.0:*
                                                                                     907/sshd
1651/master
tcp
           0
                                               0.0.0.0:*
tcp
           0
                   0 0.0.0.0:443
tcp
                                               0.0.0.0:*
                                                                                     27967/haproxy
tcp
           0
                     0.0.0.0:8443
                                               0.0.0.0:*
                                                                                      13368/openshift
tcp6
                       :2376
                                                                                      13168/docker
                     :::53866
tcp6
                                                                                      13368/openshift
tcp6
                      ::10250
                                                                                      13368/openshift
                       :33900
                                                                                      13368/openshift
tcp6
                                                                                     14636/haproxy_expor
13368/openshift
                       :9101
tcp6
           0
tcp6
                     :::52944
tcp6
           0
                     :::38549
                                                                                      13368/openshift
                                                                                      907/sshd
tcp6
                     :::22
                                                                                      13368/openshift
                      ::7001
           0
tcp6
                                                                                      1651/master
                     ::1:25
tcp6
                                                                                      13368/openshift
tcp6
                      ::4001
                                                                                      13368/openshift
                        :32869
vagrant@rhel-cdk
```

sudo netstat -anp | grep 2376

Lists the process listening on port 2376

This is particularly useful when another process is hanging out on a port you need, like if you started Apache on 80 or Tomcat on 8080.

wget https://someurl.com/ somefile.tar.gz

wget is a useful utility for downloading files from any website. If installation is required, simply sudo yum -y install wget

```
cognance:net-cuk = 15 sudo yum -y install wget
Loaded plugins: product-id, search-disabled-repos, subscription-manager
Resolving Dependencies
--> Running transaction check
---> Package wget.x86_64 0:1.14-10.el7_0.1 will be installed
--> Finished Dependency Resolution
 Dependencies Resolved
  Package
                                                                                Version
                                                                                                                                                  Repository
 nstalling:
                                      x86 64
                                                                               1.14-10.el7_0.1
                                                                                                                                                  rhel-7-server-eus-rpms
  wget
 ransaction Summary
 nstall 1 Package
Total download size: 546 k
Instal download Size: 546 k
Installed Size: 2.0 M
Downloading packages:
wget-1.14-10.el7_0.1.x86_64.rpm
Running transaction check
Running transaction test
                                                                                                                                                                                          | 546 kB 00:00:00
 Comming transaction
Fransaction
Running transaction
Installing: wget-1.14-10.el7_0.1.x86_64
Verifying: wget-1.14-10.el7_0.1.x86_64
   wget.x86_64 0:1.14-10.el7_0.1
  omplete!
  vagrant@rhel-cdk ~]$
```

tar -xf somefile.tar.gz tar -xf somefile.tar.gz -C ~/somedir Extracts/expands (think unzip) into current directory Expands into the "somedir" directory