

### I/O Redirection

|             |                               |
|-------------|-------------------------------|
| >           | Redirect STDOUT to a file     |
| 2>          | Redirect STDERR to a file     |
| &>          | Redirect all output to a file |
| 2>&1        | Redirect all output to a pipe |
| cmd1   cmd2 | Pipe STDOUT of cmd1 to cmd2   |

Use >> to append rather than overwrite

### Scheduling with cron

```
#list current entries in crontab
crontab -l
#remove current entries in
crontab
crontab -r
#edit existing entries in
crontab
crontab -e
#format
<mi nut e> <ho ur> <day of
month> <mo nth> <day of week>
<co mma nd>
```

### File Management

|                      |                                                                               |
|----------------------|-------------------------------------------------------------------------------|
| find / - name tofind | Find all files named tofind                                                   |
| find / - mmin 10     | Find all files modified less than 10 minutes ago                              |
| grep -i STRING       | Search input for lines containing STRING (nocase)                             |
| grep -C 2 STRING     | Search input for lines containing STRING and showing 2 lines before and after |
| grep -v STRING       | Search input for lines NOT containing STRING                                  |
| grep -c STRING       | Search input for number of lines containing STRING                            |

### Bash Shortcuts

|          |                                              |
|----------|----------------------------------------------|
| CTRL-c   | Kill current command                         |
| CTRL-a   | Goto start of current line                   |
| CTRL-e   | Goto end of current line                     |
| CTRL-r   | Search history                               |
| !!       | Repeat last command                          |
| ^abc^def | Run previous command, replacing abc with def |

### Useful Snippets

```
#hostname
| Displays FQDN of system

#uname -a
| Displays current kernel version

#df -h
| Display partitions, sizes details, and mount points

#chconfig --list
| Displays all services and their status at each runlevel
```



By **mrinflictor**

[cheatography.com/mrinflictor/](https://cheatography.com/mrinflictor/)

Published 14th July, 2014.

Last updated 12th May, 2016.

Page 1 of 2.

Sponsored by **Readable.com**

Measure your website readability!

<https://readable.com>

### File Paths

/var/named

| Bind zone files

/etc/named.conf

| Bind configuration file

/etc/httpd/conf/httpd.conf

| Main apache configuration file

/var/log/httpd/

| Default location for logs

/etc/hosts

| System hosts file

/etc/resolv.conf

| DNS lookup configuration file

/etc/sysconfig/network

| Network/hostname configuration file

/etc/sysconfig/network-scripts/

| Default location of a network setting file

### Archiving

```
# compress (tar/gzip)
tar cvzf <file>.tgz <directory>

# extract (tar/gzip)
tar xvzf <file>.tgz

# compress (tar/bzip)
tar cvjf <file>.tbz <directory>

# extract (tar/bzip)
tar xvjf <file>.tbz

# extract (gzip)
gunzip <file>.gzip
```

### Screen shortcuts

```
CTRL-a c Create a new screen session

CTRL-a n Goto the next screen session

CTRL-a p Goto the previous screen session

CTRL-a " Present a list of all sessions

CTRL-a d Detach screen from terminal

CTRL-a k Kill current session
```

screen -r to reattach to a detached session

### iptables

#iptables -L

| Displays ruleset of iptables

```
#iptables -I INPUT -p tcp -m tcp -s 192.168.15.254/26 --dport 22 -j ACCEPT
```

| Accepts incoming SSH connections from IP range 192.168.15.254/26

```
#iptables -I INPUT -s "192.168.10.0/24" -j DROP
```

| Drops all traffic from IP range 192.168.10.0/24

```
#iptables -A INPUT -p tcp --dport 25 -j DROP
```

| Blocks all traffic to TCP port 25

#/etc/init.d/iptables save

| Saves all IPtables rules and re-applies them after a reboot



By **mrinflictor**

[cheatography.com/mrinflictor/](https://cheatography.com/mrinflictor/)

Published 14th July, 2014.

Last updated 12th May, 2016.

Page 2 of 2.

Sponsored by **Readable.com**

Measure your website readability!

<https://readable.com>