

I/O Redirection

>	Redirect STDOUT to a file
2>	Redirect STERR 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
<minute> <hour> <day of month>
<month> <day of week> <command>
```

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
```

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
```

