

### 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
```



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### 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



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