

Bash Shortcuts

Moving the Cursor

| | |
|---------|---|
| Ctrl+a | Go to start of line |
| Ctrl+e | Go to end of line |
| Ctrl+p | Previous command (Up arrow) |
| Ctrl+n | Next command (Down arrow) |
| Alt+b | Go left (back) one word |
| Alt+f | Go right (forward) one character |
| Ctrl+XX | Move between the beginning of the line and the current position of the cursor |

Deleting Text

| | |
|---------------------|--|
| Ctrl+D or Delete | Delete the character @ cursor |
| Alt+D | Delete all characters after the cursor on the current line |
| Ctrl+H or Backspace | Delete the character before the cursor |

Cutting and Pasting

| | |
|--------|--|
| Ctrl+W | Cut the word before the cursor |
| Ctrl+K | Cut the part of the line after the cursor |
| Ctrl+U | Cut the part of the line before the cursor |
| Ctrl+Y | Paste the last thing you cut |

ps shortcuts

Display all processes

```
$ ps ax
```

```
$ ps -ef
```

Use the "u" option or "-f" option to display detailed info

```
$ ps aux
```

```
$ ps -ef -f
```

Display process by [user]

```
$ ps -f -u [www-data]
```

Show process by name or pid

ps shortcuts (cont)

To search the processes by their name or command use the "-C" option followed by the search term

```
ps -C apache2
```

To display processes by process id, use the "-p" option and provides the process ids separated by comma

```
$ ps -f -p 3150,7298,6544
```

The "-C" must be provided with the exact process name. To search more flexibly, use *grep*

```
$ ps -ef | grep apache
```

Sort process by cpu or memory usage

```
$ ps aux --sort=-pcpu,+pmem
```

Display the top 5 cpu consuming processes

```
$ ps aux --sort=-pcpu | head -5
```

Display process hierarchy in a tree style

```
$ ps -f --forest -C apache2
```

Display child processes of a parent process

finding all forked apache processes

```
$ ps -o pid,uname,comm -C apache2
```

list all child processes

```
$ ps --ppid [2359]
```

Display threads of a process

```
$ ps -p [3150] -L
```

Change the columns to display

The following command shows only the pid, username, cpu, memory and command columns

```
$ ps -e -o pid,uname,pcpu,pmem,comm
```

rename the column labels

```
$ ps -e -o pid,uname=USERNAME,pcpu=CPU_USAGE,pmem,comm
```



Screen Shortcuts

screen -S *name*

start a screen session *name*

screen -rD *name*

resume a screen session *name*

screen -l

list screen sessions

Ctrl-a

Activate commands for screen

Ctrl-a c

Create a new instance of terminal

Ctrl-a n

Go to the next instance of terminal

Ctrl-a p

Go to the previous instance of terminal

Ctrl-a "

Show current instances of terminals



By **99ptran**
cheatography.com/99ptran/

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Page 2 of 2.

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