

SHELL QUICK REFERENCE CARD

Frequently used SHELL commands – Version v1.4 June 2017

In this Reference Card, special characters are used as a placeholder for specific, non-alphabetical keys. $\langle M \rangle$ denotes the meta-key, usually bound to $\langle \text{alt} \rangle$ or $\langle \text{esc} \rangle$ while \wedge is referred to the Controllkey (CTRL).

Movements

- $\wedge a$ $\wedge e$ jump to begin, end of the line
- $\wedge u$ $\wedge k$ cut to beginning, end of the line
- $\wedge f$ $\wedge b$ move one *char* forward, backward
- $\langle m \rangle f$ $\langle m \rangle b$ jump one word forward, backward
- $\langle m \rangle \leftarrow$ or $\wedge w$... cut text backward until space
- $\langle m \rangle d$ cut one word forward until space
- $\wedge y$ paste most recently cut out text

History

Prompt all executed history events: **history**, clear entire history event cache: **history -c**

Shortcuts

- $\wedge p$ fetch the previous command from the history list
- $\langle m \rangle .$ print last argument(s) to line
- $\wedge r$ $\wedge s$ search history backward, forward (incremental search)
- $\langle m \rangle p$ $\langle m \rangle n$ search backward, forward using non-incremental search
- $\langle m \rangle <$ $\langle m \rangle >$... move to the first, last line in history

History-Commands

Example command is: **cd foo/bar**

- !!** runs previous executed command (aka ‘bang bang’)
- \Rightarrow **sudo !!: sudo cd foo/bar**
- s** repeats prev command as ‘root’
- !\$** repeats last *arg* of prev command

- !n** **!-n** executes command *n*, last *n*th command
- !str** **!?str?** ... runs last executed command starting with, containing *str*
- \Rightarrow **!cd: cd foo/bar**
- !!:opt** filter last command by designators or modifiers
- \Rightarrow **echo !cd:q: echo ‘cd foo/bar’**
- !#** entire command line typed so far
- !!:gs/old/new/**
substitutes new for old
- \Rightarrow **quick substitution, replacing str_1 with str_2 : $\wedge str_1 \wedge str_2$ (\Rightarrow \wedge literally)**

Options

you may append as many options as you want, e. g. you could do a: **!! : \$: p** (prints least argument of last executed history command)

Event Designators

- 0** the first word in a line (usually command or programs name)
- n** the *n*th word in a line
- \wedge the first *arg* (the second word) in a line
- \$** the last argument *arg* in a line
- %** the word *str* matched by the most recent **!?str?** search
- m-n** a range of words from *m* to *n* (*-n* is synonymous with 0-*n*)
- *** all *arg*’s
- m*** synonymous with *m*-\$
- m-** from *arg m* to end, ommitting last word

Event Modifiers

- h** removes a trailing pathname component, leaving the head
- t** removes all leading pathname components, leaving the tail (filename in path)

- r** removes a trailing suffix of the form .xxx, leaving the basename
- e** removes all but the trailing suffix
- p** prints the resulting command but does not execute it
- q** quotes the substituted words, escaping further substitutions
- m** quotes the substituted words, breaking them into words at blanks and newlines
- &** repeats the previous substitution
- g** causes s/old/new/ or & to be applied over the entire event line
- G** apply the following ‘s’ modifier just once to each word in the event line.

Special Commands

- $\wedge s$ $\wedge c$ $\wedge q$ pause, cancel, resume current process
- popd** switch to last saved *dir* from index
- pushd dir** save *dir* to index
- $\wedge X \wedge E$ work on line under cursor in default EDITOR and execute it afterwards
- $\wedge \#$ prepend hash to command, then jump to next line (... and reedit later)