

SHELL QUICK REFERENCE CARD

Frequently used SHELL commands – Version v1.3 August 2014

In this Reference Card, special characters are used as a placeholder for specific, non-alphabetical keys. `<M>` denotes the meta-key, usually bound to `<alt>` *or* `<esc>` while `^` is referred to the Controllkey (CTRL).

Movements

- `^a ^e`..... jump to begin, end of the line
- `^u ^k`..... cut to beginning, end of the line
- `^f ^b`..... move one *char* forward, backward
- `<m>f <m>b`... jump one word forward, backward
- `<m>←` *or* `^w`.. cut text backward until space
- `<m>d`..... cut one word forward until space
- `^y`..... paste most recently cut out text

History

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

Shortcuts

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

History-Commands

- Example command is: `cd foo/bar`
- `!!`..... runs previous executed command (also known as ‘bang bang’)
 - `⇒ sudo !!: sudo cd foo/bar`
 - `!$`..... 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*
- `⇒ !cd: cd foo/bar`
- `!!:opt.....` filter last command by designators *or* modifiers
- `⇒ echo !cd:q: echo 'cd foo/bar'`
- `!#`..... entire command line typed so far
- `!!:gs/old/new/`
substitutes new for old
- `⇒ quick substitution, replacing str1 with str2: ^str1^str2 (⇒ ^ 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 <i>or</i> programs name)
n	the <i>n</i> th word in a line
^	the first <i>arg</i> (the second word) in a line
\$	the last argument <i>arg</i> in a line
%	the word <i>str</i> matched by the most recent <code>!<i>str</i>?</code> search
<i>m-n</i>	a range of words from <i>m</i> to <i>n</i> (<i>-n</i> is synonymous with <i>0-n</i>)
*	all <i>arg</i> ’s
<i>m</i> *	synonymous with <i>m</i> -\$
<i>m-</i>	from <i>arg m</i> 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

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