

BASH QUICK REFERENCE CARD

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History

Shortcuts

^p..... Fetch the previous command from the history list

^n..... Fetch the next command from the history list

^r..... Search history backward (incremental search)

^s..... Search history forward (incremental search)

^r..... Search history backward for a command matching *string*

^s..... Search history forward for a command matching *string*

Meta-p..... Search backward using non-incremental search

Meta-n..... Search forward using non-incremental search

Meta-<..... Move to the first line in the history

Meta->..... Move to the end of the history list

k..... Fetch the previous command from the history list

j..... Fetch the next command from the history list

n..... Repeat search in the same direction as previous

N..... Repeat search in the opposite direction as previous

G..... Move to the N-th history line

15G *move to 15th line*

History-Commands

example command is: `cp foo bar`

!n..... executes command number *n*

!!..... runs previous executed command (also known as ‘bang bang’)

echo foo ■ *previous history entry*

sudo !! ■ *sudo echo foo*

!c..... executes previous command, which began on *c*

!!s *ls -l /foobar*

ex!*..... previous command without the first word

*mv !** *mv foo*

vim !^..... vim foo

!n..... Refers to the **n**-th command line

!-n..... Refers to the current command line minus **n**

!string.... Refers to the most recent command starting with **string**

!?string?... Refers to the most recent command containing **string** (the ending **?** is optional)

^string1^string2^
Quick substitution. Repeats the last command, replacing **string1** with **string2**

!#..... Refers to the entire command line typed so far

0..... The zeroth (first) word in a line (usually command name)

n..... The **n**-th word in a line

^..... The first argument (the second word) in a line

\$..... The last argument in a line

%..... The word matched by the most recent **?string?** search

x-y..... A range of words from **x** to **y** (**-y** is synonymous with **0-y**)

*****..... All word but the zeroth

x*..... Synonymous with **x-\$**

x-..... The words from **x** to the second to last word

h..... Removes a trailing pathname component, leaving the head

t..... Removes all leading pathname components, leaving the tail

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

x..... Quotes the substituted words, breaking them into words at blanks and newlines

s/old/new/.. Substitutes **new** for **old**

&..... Repeats the previous substitution

g..... Causes **s/old/new/** or **&** to be applied over the entire event line

Variables

HISTFILE.... Controls where the history file gets saved. Set to **/dev/null** not to keep history (Default: **~/.bash_history**)

HISTFILESIZEControls how many history commands to keep in **HISTFILE** (Default: **500**)

HISTSIZE.... Controls how many history commands to keep in the history list of current session (Default: **500**)

HISTIGNORE.. Controls which commands to ignore and not save to the history list. The variable takes a list of colon separated patterns. Pattern **&** matches the previous history command

Shopt Option

shopt options can be set by a shopt **-s** option and can be unset by a shopt **-u** option shell command.

histappend.. Setting the variable appends current session history to **HISTFILE**. Unsetting overwrites the file each time

histreedit..If set, puts a failed history substitution back on the command line for re-editing

histverify..If set, puts the command to be executed after a substitution on command line as if you had typed it