The Bash Shell

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Bash shell @ Wikipedia GNU Bash home page	The Bash shell is a POSIX compliant shell used as the Default GNU-Linux. This page is a quick reference to various topics related to the Bash Shell. See PEL specific information here: 1 - UNIX Shell			
Shell Line Editing Keyboard Shortcuts Using the Emacs mode	The keystrokes described below use the Emacs key names like all PEL PDF tables. • C-a means holding the control key and hitting the letter a. • M-a means holding the Meta key (which is often mapped to the Alt key) and hitting the letter a. • Note that under Bash, like Emacs, you can type the Esc key, and then hit the a key as an alternative to the M-a key combination. • Both use the GNU readline library. • In the table: a means any character, DEL is backspace (delete backwards).			
Check Bash line edit mode	set -o	Type the set -o command to list all bash features. Tw • Use set -o emacs to activate the Emacs mode. Type help set to get more information about the set of		upported: emacs and vi.
Activate Emacs Line Editing Mode	set -o emacs Activate Emacs line editing mode.			
Navigation				
Begin/end of line	C-a	Move cursor to beginning of line	С-е	Move cursor to end of line
Move by character	C-b	Move cursor backward one character	C-f	Move cursor forward one character
Move by word	M-b	Move cursor backward one word	M-f	Move cursor forward one word
Move to specific char	M-C-] ⊕	Move backward to character	C-] 🖲	Move forward to character ⊚
Toggle between edge and current char	С-х С-х	 C-x C-x Move cursor back to the last position where this command was issued. If it was never issued for this command move to the beginning of the line. 		
Edit Command Text				
Convert letter case	M-1	Lowercase all forward characters	M-u	Uppercase all forward characters
Transpose (exchange)	C-t	Transpose character at cursor and previous one.	M-t	Transpose word at cursor and previous one.
Undo	• C • C-x C-u	Undo last change		
Delete/Kill text	Text deleted cannot be yank'ed back. Text kill can be yank'ed back because it is copied inside the kill ring.			
See <u>E Cut & Paste</u>	el All kill com	mands issued one after the other fill the same kill buffer e	ntry. Type a no	on-kill command key to stop filling same entry.
Delete one chacacter	DEL	Delete backward (delete the character before cursor)	C-d	Delete forward (delete the character at cursor). When cursor is at beginning of the line it exits the shell
Kill toward begin/end of word	M-DEL	Kill text from cursor to beginning of current word. • If cursor is at beginning of a word, kill previous word.	M-d	Kill text from cursor to end of current word.
Kill word backward	C-w	Delete word backwards		
Kill toward begin/end of line	C-u	Kill text from cursor to beginning of line.	C-k	Kill text from cursor to end of line.
Yank killed text	Text that was previously killed by the above commands can be yank'ed back at cursor. The kill ring holds many entries of killed text.			
Yank text from kill ring Replace last yank from rotated kill ring	 Yank text from the kill-ring and insert it at the cursor location. M-y Replace just-yanked text (from C-y) with text from the next position in the kill ring. Type M-y right after C-y and as many time as necessary to insert the text from the required kill ring entry. 			
Control terminal	as necessary to meen the took normals required this mig only.			
Clear screen	C-1	clear screen and move cursor to the top-left corner. This	s is the same a	s the clear command
Output flow control	C-s	Stop screen output.	C-q	Allow output to screen (after a previous C-s issued stop)
Command Control	C-c	Terminate the command, do not execute it.	C-z	Suspend/stop the command.
Exit shell	C-d	Exit the shell if cursor is at the beginning of the line.		
Prompt <u>Bash History</u>	Bash support prompt history, it can be enabled or disabled at the ~/.bashrc. To enable it: • Place the line set -o history in ~/.bashrc. • Ensure that the file identified by HISTFILE (which defaults to ~/.bash_history) is owned by your user and group. • If not, you may be able to use sudo chown to change the ownership. Use the history command to see the entire command line history.			
Use last word of last command	M	Insert last word of previous command at the prompt.		
To previous/next history entry	С-р	Move to previous history entry.	C-n	Move to next history entry.
To first/last history entry	M-<	Move to beginning (top) of history list.	M->	Move to end (bottom) of history list
Reverse incremental search	C-r	Reverse incremental search. Searches incrementally from the current command line up the history list. This prints a (reverse-i-search) ': prompt. Type the searched string. Then type: RET to execute, C-r to search again, C-c or C-g to quit, C-j to copy into the current command line and allow further editing.		
Reverse/forward search	М-р	Reverse search, non.incremental. Type the search string and ENTER to execute search.	M-n	Forward search non-incremental.
Re-execute command from history.	C-o Execute the current item in the history list and advance to the next one. Use it to re-execute a sequence of commands from the history list.			
History expansion	The following commands are executed after RET is typed. Any text can be placed before or after. The expansion occurs when typing RET .			
Run past command	11	Repeat last command	!number	Repeat history item number
Repeat identified command	!string	Repeat last history starting with string	!?string	Repeat last history list item containing string
Show what would be retrieved	!string:p	Print the command that is retrieved by ! string		
Retrieve portion of last command	!\$	Last word of the previous command	!*	Repeat the previous command except for the first word.
Show what would be retrieved	!\$:p	Print what !\$ would retrieve.	!*:p	Print what !* would retrieve.
Tab completion				
Command completion	Tab	Press Tab once to complete sole possibility. • If there more than 1 choice, press Tab again.		
Display possible completions	M-?	Print all possible completions.		
Insert possible completions	M-* Insert all possible completions at cursor in the current line.			