The Bash Shell

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	Type the set -o command to list all bash features. Two modes are supported: emacs and vi. • Use set -o emacs to activate the Emacs mode. Type help set to get more information about the set command.					
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	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 Undo last change • C-x C-u					
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. All kill commands issued one after the other fill the same kill buffer entry. Type a non-kill command key to stop filling same entry.					
Delete one chacacter	DEL	Delete backward (delete the character before cur		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			T	
Kill toward begin/end of line	C-u	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			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	C-y Yank text from the kill-ring and insert it at the cursor location.					
Replace last yank from rotated kill ring	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						
Clear screen	C-1	clear screen	and move cursor to the top-left corner. This	s is the same a	as 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	e 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	м	Insert last wo	ord of previous command at the prompt.			
To previous/next history entry	С-р	Move to prev	rious history entry.	C-n	Move to next history entry.	
To first/last history entry	M-<	Move to beg	inning (top) of history list.	M->	Move to end (bottom) of history list	
Reverse incremental search	 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		rch, non.incremental. Type the search NTER 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 ar	e executed after RET is typed. Any text car	be placed be	fore or after. The expansion occurs when typing RET .	
Run past command	11	Repeat last of	command	!number	Repeat history item number	
Repeat identified command	!string	Repeat last h	nistory 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 pos	sible completions at cursor in the current lir	ne.		