


Bang !

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Siemens Digital Industries Software

By David Forrest



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Bang!

Bang is an affectionate way of referring to the GNU History library, or **history** command. The library contains a structured array of previous command lines, containing entry number, timestamp, commands and arguments, and tokenized stream editor commands a la sed.

!! refers to the last command and is a synonym for !-1. One could invoke command 213 in the history file by entering !213\n. The history file is maintained by bash in the .bash_history file and restored by the bash shell invocation. One can limit it by setting a HISTSIZE environment variable (mine is 1000)

!

```
drf@dave:~]$ history
```

- 1 host 127.0.0.1
- 2 host localhost 127.0.0.1
- 3 host localhost ..1
- 4 reboot
- 5 sudo su -
- 6 exit
- 7 sudo su -
- 8 exit
-

And the end of the listing

-
- 994 sha256sum '/home/drf/Downloads/CentOS-x86_64-dvd1.iso'
- 995 ll Downloads/C*
- 996 sha256sum Downloads/CentOS-Stream-x86_64-dvd1.iso
- 997 /usr/bin/top -n1|sed "s/^[^[[0-9;]*[a-zA-Z]//gi"
- 998 which set
- 999 exit
- 1000 history
- [drf@dave:~]\$
-

The man page

- `history [n]`
- `history -c`
- `history -d offset`
- `history -anrw [filename]`
- `history -p arg [arg ...]`
- `history -s arg [arg ...]`
- With no options, display the command history list with line numbers. Lines listed with a * have been modified. An argument of `n` lists only the last `n` lines. If the shell variable `HISTTIMEFORMAT` is set and not null, it is used as a format string for `strftime(3)` to display the time stamp associated with each displayed history entry. No intervening blank is printed between the formatted time stamp and the history line. If `filename` is supplied, it is used as the name of the history file; if not, the value of `HISTFILE` is used. Options, if supplied, have the following meanings:
 - `-c` Clear the history list by deleting all the entries.

The info page

- This document describes the GNU History library, a programming tool that provides a consistent user interface for recalling lines of previously typed input.
- * Menu:
-
- * Using History Interactively:: GNU History User's Manual.
- * Programming with GNU History:: GNU History Programmer's Manual.
- * GNU Free Documentation License:: License for copying this manual.
- * Concept Index:: Index of concepts described in this manual.
- * Function and Variable Index:: Index of externally visible functions and variables.

But I use a function directory

- [drf@dave:~]\$ ll FormsAndScripts/
- total 124K
- drwxrwxr-x. 2 drf drf 4.0K Aug 9 11:15 .
- drwx-----. 41 drf drf 4.0K Sep 29 11:12 ..
- -rw-rw-r--. 1 drf drf 21 Jan 13 2011 bullshit.txt
- -rw-r-xr-x. 1 drf drf 331 Jan 2 2011 cds
- -rw-rw-r--. 1 drf drf 55 Jan 21 2011 changes
- -rw-rwxr-x. 1 drf drf 1.6K Aug 9 11:15 conversions
- -rw-r-xr-x. 1 drf drf 1.1K Sep 26 2006 copy_to_archive
- -rw-rwxr-x. 1 drf drf 1.6K Dec 5 2007 dvdxavi

And now maybe an ssh to
my machine

- Hope on! Davi! ...

That's all folks!

- Questions anyone???