

# Screen

## Basic Information

- <https://www.gnu.org/software/screen/>
- <http://www.gnu.org/software/screen/manual/>
- [GNU Screen](#)

## Configuration

~/screenrc

- [My .screenrc](#)

```
#Ctrl-J insted of Ctrl-a
escape ^Jj

caption always "%{= wb} %-w%{=bu kw}%n %t%{-}%+w"
```

## Commands

### Booting screen

Command	Explanation	Complement
screen -ls screen -w	Do not start screen, but instead print a list of session identification strings.	list
screen -r screen -r PID screen -r NAME	Resume a detached screen session.	resume
screen -wipe	deleting 'Dead screens' Process List available screens like screen -ls, but remove destroyed sessions instead of marking them as 'dead'.	
screen -d PID	Detach the PID detaches the elsewhere running screen session.	
screen -c file	override the default configuration file	

### Example

```
[user01@ladder-1 ~]$ screen -ls
There are screens on:
5076.pts-73.ladder-1 (Attached)
5443.pts-26.ladder-1 (Detached)
10025.pts-1.ladder-1 (Detached)
3 Sockets in /var/run/screen/S-user01.

[user01@ladder-1 ~]$
[user01@ladder-1 ~]$ screen -r 10025
or
[user01@ladder-1 ~]$screen -r 10025.pts-1.ladder-1
```

### inter screen

Key	Explanation	Complement
C-a ?	help	
C-a i	Show info about the current window.	info
C-a d	Detach screen from this terminal.	detach

## Operating Window

Key	Explanation	Complement
C-a c	Create a new window	create
C-a k	Destroy the current window.	kill
C-a “	Present a list of all windows for selection.	
C-a 0 C-a 1	Switch to window number 0, 1.	
C-a n C-a Space	Switch to the next window.	next
C-a p C-a h C-a Backspace	Switch to the previous window	prev
C-a w	Show a list of active windows.	
C-a C-a	Toggle to the window displayed previously.	

## Splitting Window

Key	Explanation	Complement
C-a S	Split the current region into two new ones.	split
C-a Tab	Switch the input focus to the next region.	
C-a Q	Delete all regions but the current one.	
C-a X	Kill the current region.	
:resize +1		
:resize -1		

## Copy mode

Key	Explanation	Complement
C-a [ C-a Esc	Enter copy/scrollback mode.	
C-a ]	Write the contents of the paste buffer to the stdin queue of the current window.	

## Case

Cannot open your terminal '/dev/pts/N' - please check.

```
$ whoami
user01
$ su - user02
$ screen
Cannot open your terminal '/dev/pts/4' - please check.    <- /dev/pts/4's owner is user01
$ tty
/dev/pts/4
$
$ script /dev/null
$ tty
/dev/pts/5
$ sreen
```