

Session Management

Starting a Screen Session

<code>screen</code> - Starts a new screen session.
Example: <code>screen</code>
<code>screen -S session_name</code> - Starts a named screen session.
Example: <code>screen -S my_session</code>
<code>screen -d -m command</code> - Starts a detached screen session, running <code>command</code> .
Example: <code>screen -d -m ./my_script.sh</code>

Detaching and Reattaching

<code>Ctrl+a d</code> - Detach the current screen session. The session continues to run in the background.
<code>screen -r</code> - Reattach to a detached screen session. If multiple sessions are running, it attaches to the first available.
<code>screen -r session_name</code> - Reattach to a specific named screen session. Example: <code>screen -r my_session</code>
<code>screen -ls</code> or <code>screen -list</code> - List all active screen sessions. Provides session IDs or names for reattaching.

Ending a Screen Session

<code>exit</code> or <code>Ctrl+d</code> - Exit the current shell in the screen window. If this is the last window in the session, the session will terminate.
<code>Ctrl+a k</code> - Kill the current window within the screen session. Confirm the kill to terminate the window.

Window Management

Creating New Windows

<code>Ctrl+a c</code> - Create a new window within the current screen session. This opens a new shell prompt.
<code>Ctrl+a :screen command</code> - Create a new window and execute <code>command</code> in it. The window automatically closes after the command completes.
Example: <code>Ctrl+a :screen top</code>

Switching Between Windows

<code>Ctrl+a n</code> or <code>Ctrl+a Ctrl+n</code> - Switch to the next window in the session.
<code>Ctrl+a p</code> or <code>Ctrl+a Ctrl+p</code> - Switch to the previous window in the session.
<code>Ctrl+a number</code> - Switch to a specific window by its number (0-9).
<code>Ctrl+a '</code> - Prompts for a window number or title to switch to.
<code>Ctrl+a</code> - Toggles between the current and previous window.

Window Information

<code>Ctrl+a w</code> - Display a list of all windows in the current session, indicating the current window with an asterisk.
<code>Ctrl+a A</code> - Rename the current window. This is useful for quickly identifying different tasks running in each window.
<code>Ctrl+a t</code> - Display the current time and system load average in the current window.

Advanced Features

Screen Splitting

<code>Ctrl+a S</code> - Split the current window horizontally into two regions.
<code>Ctrl+a </code> - Split the current window vertically into two regions.
<code>Ctrl+a</code> or <code>Ctrl+a Ctrl+i</code> - Switch the input focus to the next region. (Note: May be <code>Ctrl+a Ctrl+i</code> on some systems).
<code>Ctrl+a Q</code> - Remove all regions except the current one.
<code>Ctrl+a X</code> - Kill the current region. Requires confirmation.

Copy and Paste

<code>Ctrl+a Esc</code> - Enter copy mode. Use arrow keys to move the cursor.
Press <code>Space</code> to begin selection, move the cursor to the end of the text you want to copy, and press <code>Space</code> again to complete the selection.
Press <code>Ctrl+a]</code> - Paste the copied text into the current window.

Scrolling

<code>Ctrl+l</code> or <code>Ctrl+a</code> - Enter scrollbar mode. Use arrow keys, Page Up, Page Down, Home, and End to navigate the scrollbar buffer.
<code>Es c</code> - Exit scrollbar mode.

Configuration

Configuration File

Screen's configuration is managed through the `~/.screenrc` file. This file allows you to customize keybindings, startup behavior, and other settings.

Example:

```
# Set a default window name
startup_message off
dedicated_cpu on

#bindkey ^k kill

# Hardstatus setup
hardstatus alwayslastline
hardstatus string '%{wk} %?%-w%?%{r}{%{W}%n*%t%?}%{k}%+w %=%{g}
CPU:%l %{b} %H'
```

Common Configuration Options

<code>startup_message off</code>	Disable the startup message.
<code>vbell off</code>	Disable visual bell (flashing screen).
<code>bindkey key command</code>	Bind a key combination to a screen command. For example: bindkey ^k kill #bind Ctrl+a k to kill the window
<code>defscrollback size</code>	Sets the default scrollbar buffer size for new windows. Example: defscrollback 10000
<code>caption always</code>	Always show caption line at the bottom of the screen.