

1. Share a screen session:
in one terminal

```
screen -S SharedSession
```

in another terminal

```
screen -x SharedSession
```



Require same user.

See <https://www.howtoforge.com/sharing-terminal-sessions-with-tmux-and-screen> for more details and tmux examples

2. Logging:
To save everything that is in your screen session, at the beginning:

```
Ctrl + a + h
```

3. Detach a screen inside a screen:

```
Ctrl + a + a + d
```

4. Serial console:

```
screen /dev/ttyS0 19200
```

Upgrading system

Network might goes down while full system upgrade

```
ssh -t machine.to.update screen -d -R -S Upgrade
```

If it goes down, same command reconnects to the screen session "Upgrade"

CheatSheet

Here's a quick cheatsheet for GNU Screen with start/reconnect commands and main key bindings:

Starting and Reconnecting

Start a new screen session:

```
screen
```

Start a named screen session:

```
screen -S session_name
```

Reconnect to a detached session:

```
screen -r
```

List running sessions:

```
screen -ls
```

Reconnect to a specific session:

```
screen -r session_name
```

Main Key Bindings (defaults)

All commands are prefixed with ``Ctrl+a`` (denoted as ``C-a`` below)

Window Management:

- ``C-a c``: Create a new window
- ``C-a n``: Switch to next window
- ``C-a p``: Switch to previous window
- ``C-a 0-9``: Switch to window 0-9
- ``C-a "``: List all windows
- ``C-a A``: Rename current window

Session Management:

- `- `C-a d``: Detach from current session
- `- `C-a x``: Lock the screen session

Split Screen:

- ``C-a S``: Split display horizontally
- ``C-a |``: Split display vertically
- ``C-a tab``: Switch between regions

Copy Mode:

- ``C-a [``: Enter copy mode

- ``C-a]``: Paste from copy buffer

Other Useful Commands:

- ``C-a ?``: Show help
- ``C-a a``: Send ``Ctrl+a`` to the current window
- ``C-a k``: Kill current window
- ``C-a \``: Kill all windows and terminate screen

Remember that you can customize these bindings in your `~/.screenrc`` file to suit your preferences.

References:

- <https://www.rackaid.com/blog/linux-screen-tutorial-and-how-to/>
- <https://www.howtoforge.com/sharing-terminal-sessions-with-tmux-and-screen>
- <http://www.computerhope.com/unix/screen.htm>
- <https://aperiodic.net/screen/interface>
- <https://stackoverflow.com/questions/8353470/gnu-screen-custom-key-bindings-format>
- https://wiki.archlinux.org/title/GNU_Screen
- https://www.gnu.org/software/screen/manual/html_node/Default-Key-Bindings.html
- https://www.gnu.org/software/screen/manual/html_node/Key-Binding.html
- <https://opensource.com/article/17/3/introduction-gnu-screen>
- https://web.mit.edu/gnu/doc/html/screen_13.html
- <https://tonisagrista.com/blog/2021/gnu-screen-cheatsheet/>

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