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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