Top-left panel

Using `tmux` together can look something like this:

```
  1
  2
  3
  4        TMUX              0[|             0.7%]   4[||             2.6%]
  5                         1[||             2.0%]   5[||             1.3%]
  6                         2[|              0.0%]   6[||             1.3%]
  7                         3[|              0.7%]   7[|              0.0%]
  8                     Mem[||||3.58G/15.3G]  Tasks: 152, 645 thr;
  9                     Swp[       0K/2.00G]  Load average: 0.23 0.
 10                                           Uptime: 07:51:59
 11                     PID USER    PRI NI VIRT   RES  SHR S CPU%M
 12                     F1Help F2Setup F3Search F4Filter F5Tree F6SortBy F7
 13
 14                     Here we started a longer running process...
 15  A text document we are working on...   ...
 16                                           ...
 17                                           ...
 18                                           ...
 19                                           ...
 20                                           ...
 21                                           ...
                                              This takes ages...
-- INSERT --          15,47-49    All   mafalda@diebin:~$       22-Mar-24
```

→ Different programs can be running in various panes.

← There is just 1 cursor, we are taking turns typing.

Top-right panel

Two settings for the CONFIG, we found to be helpful

`echo`

`"set -g window-size smallest"`

`"set -g history-limit 50000"`

`>>` `/etc/tmux.conf`

3 friends sharing a shell

Variant 2: Everyone logs in as the same user
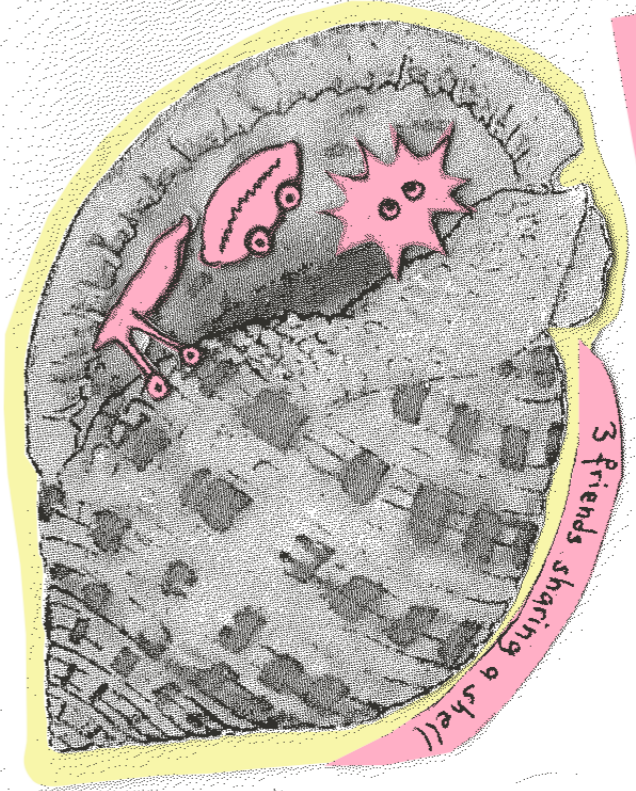
The first one starts a session from the shared account:

```
tmux
sudo -iu party-user
```

The others join the session from the shared account:

```
tmux a
sudo -iu party-user
```

Bottom-left panel

`TMUX` is a ...

TERMINAL MULTIPLEXER

... like a terminal with SUPERPOWERS!

Several people can use it at the same time + it lives for a longer time

We take turns with typing and all of us can see the same terminal.

a command-line program, we start via a `ssh` connection on our server

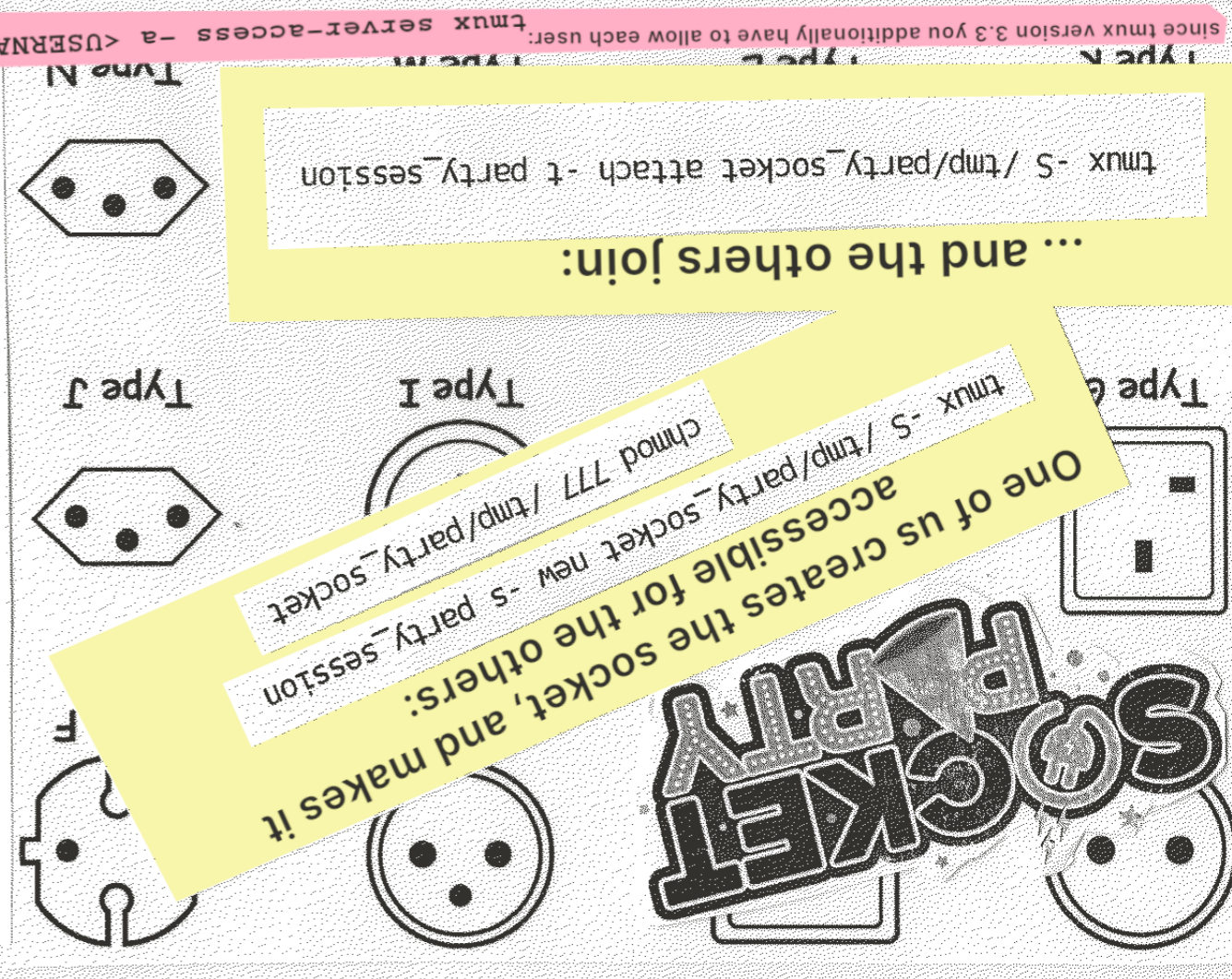The `tmux` session "lives" on the server: even if we all cut our connection, we can later come back to continue in the same session.

→ Even with bad internet connections we don't lose what we are working on so easily

Bottom-right panel

AND HOW DOES IT ACUTALLY WORK ???

Variant 1: Everybody connects to the same socket

`tmux server-access -a <USERNAME>`

since tmux version 3.3 you additionally have to allow each user:

Type N

One of us creates the socket, and makes it accessible for the others:

```
tmux -S /tmp/party_socket new -s party_session
chmod 777 /tmp/party_socket
```

Type I

Type J

... and the others join:

```
tmux -S /tmp/party_socket attach -t party_session
```

Type K

Type M

SOCKET PARTY
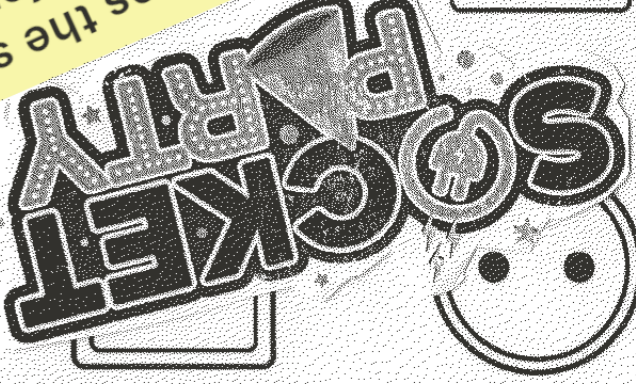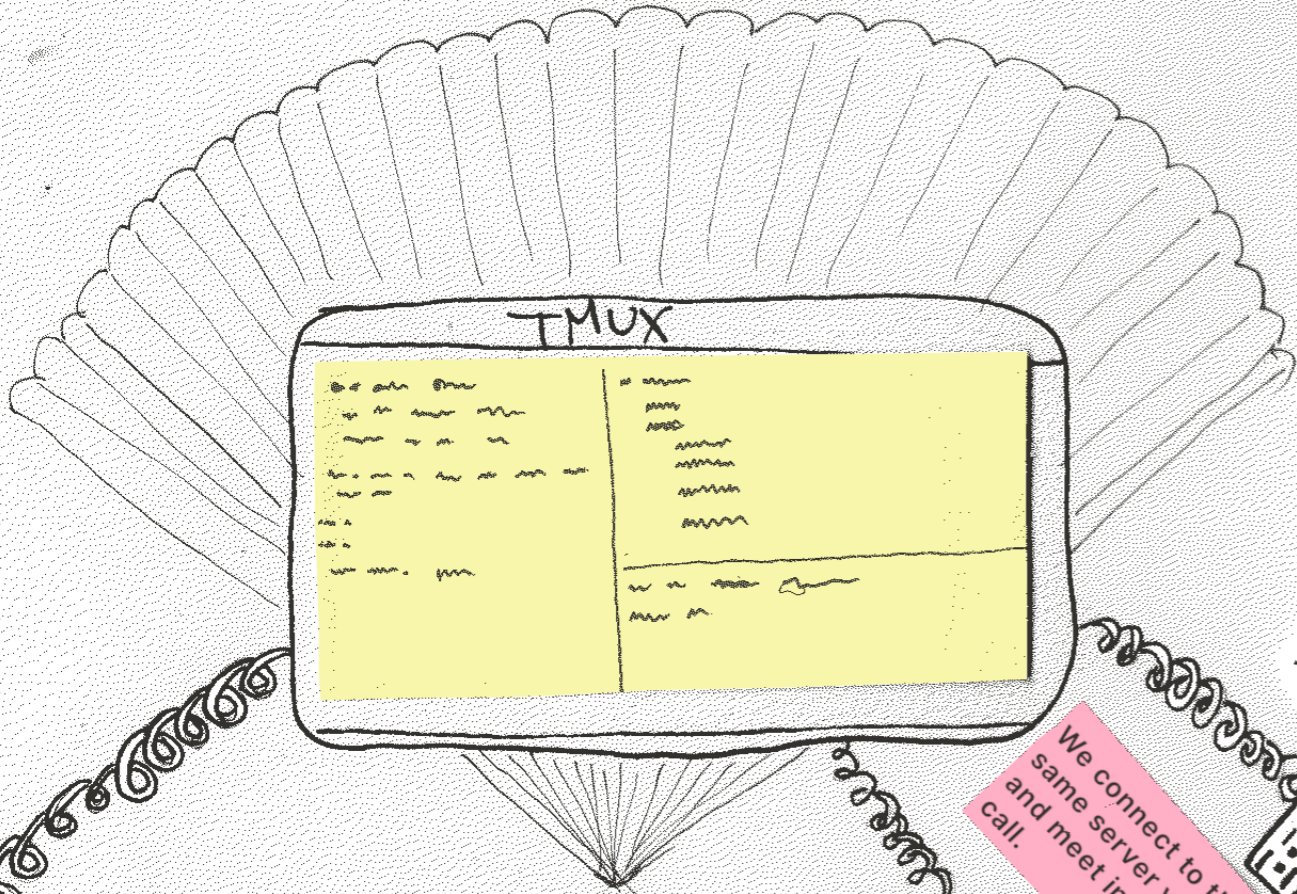
TMUX

We connect to the same server via SSH and meet in a group call.

SHARING SHELLS

DIEBIN.AT 2024

We are a feminist server collective and we don't live in the same place.

Nevertheless, we found a way to care for our servers together, as if we were sitting in front of the same screen.
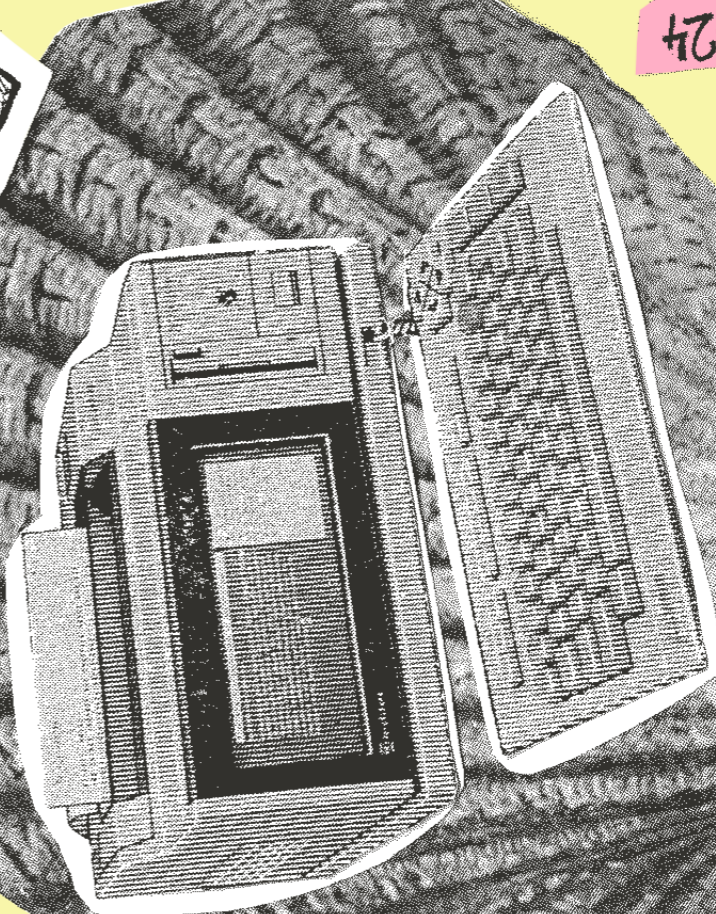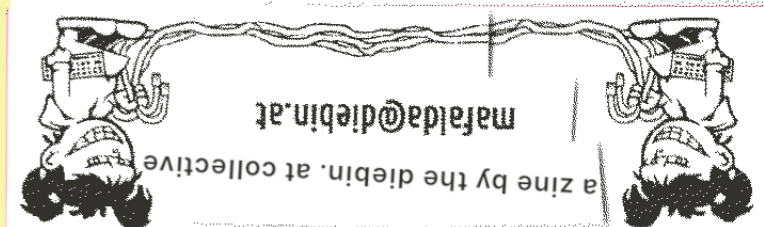
TMUX!
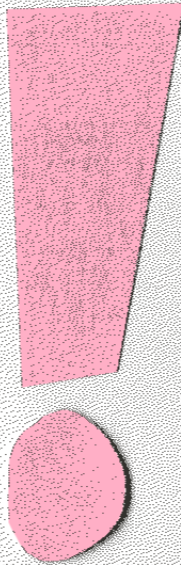
To give TMUX a command, we first press CTRL + B to enter "Command Mode" & then another key, depending on what we wanna do

STRG + B — "Command Mode"

- **%** divides the pane vertically
- **"** divides the window horizontally
- **C** opens a new window
- **⬆⬇⬅➡** navigates between panes
- **Z** switches the active pane to "fullscreen"
- **X** closes the active pane, confirm with y
- **P** changes to the previous/next window
- **N** changes to the previous/next window
- **D** detaches from the active session without closing it
- **Bild↑ / Bild↓** changes to "copy mode" for scrolling, exit with Q

CHEAT SHEET

```
tmux kill-session -t party_session    # end a session
tmux ls                               # list all running sessions
CTRL + B then D                       # leave a session
tmux attach -t party_session          # join an existing session
tmux new -s party_session             # start a new session
```