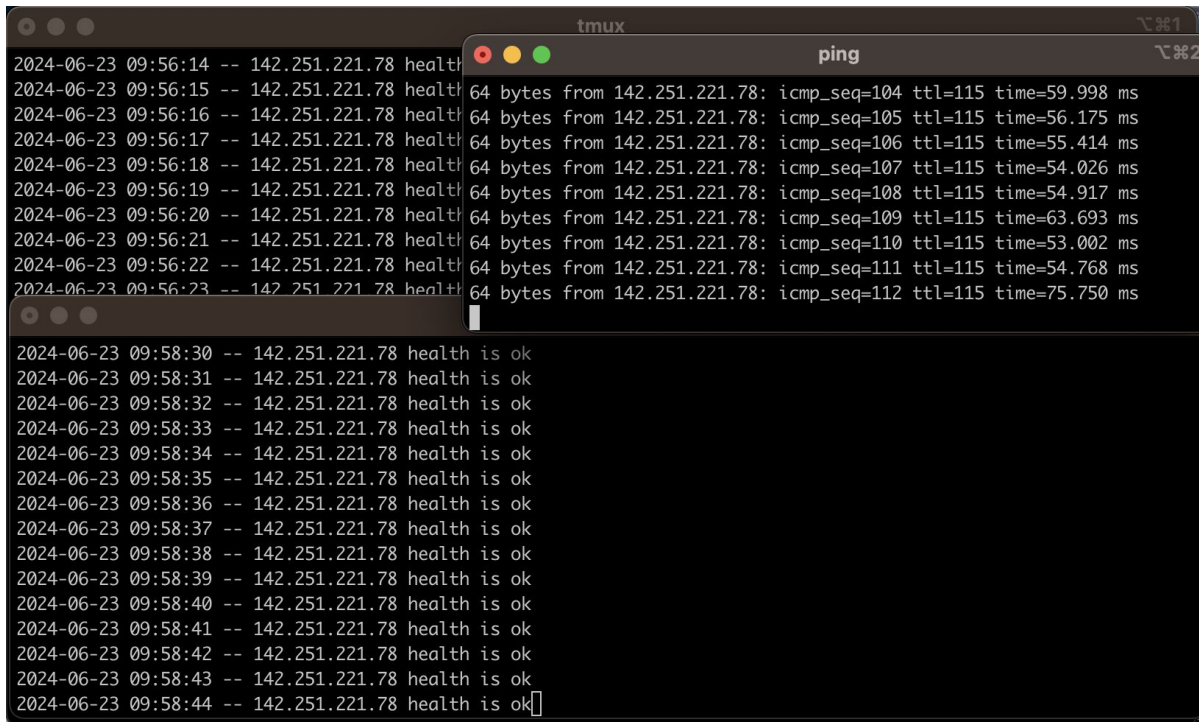


Tmux: sincere love for terminal sessions



Annoyed by the huge number of windows?

- Every connection to server
 - new window / tab
- Chaos in the windows
- Want many sessions working in background?
-



The screenshot shows a tmux terminal window with two panes. The top pane displays a list of sessions, each with a timestamp, a user, and a host. The bottom pane shows the output of a ping command to 142.251.221.78, showing 12 successful pings with varying response times.

```
tmux
2024-06-23 09:56:14 -- 142.251.221.78 health
2024-06-23 09:56:15 -- 142.251.221.78 health
2024-06-23 09:56:16 -- 142.251.221.78 health
2024-06-23 09:56:17 -- 142.251.221.78 health
2024-06-23 09:56:18 -- 142.251.221.78 health
2024-06-23 09:56:19 -- 142.251.221.78 health
2024-06-23 09:56:20 -- 142.251.221.78 health
2024-06-23 09:56:21 -- 142.251.221.78 health
2024-06-23 09:56:22 -- 142.251.221.78 health
2024-06-23 09:56:23 -- 142.251.221.78 health
2024-06-23 09:58:30 -- 142.251.221.78 health is ok
2024-06-23 09:58:31 -- 142.251.221.78 health is ok
2024-06-23 09:58:32 -- 142.251.221.78 health is ok
2024-06-23 09:58:33 -- 142.251.221.78 health is ok
2024-06-23 09:58:34 -- 142.251.221.78 health is ok
2024-06-23 09:58:35 -- 142.251.221.78 health is ok
2024-06-23 09:58:36 -- 142.251.221.78 health is ok
2024-06-23 09:58:37 -- 142.251.221.78 health is ok
2024-06-23 09:58:38 -- 142.251.221.78 health is ok
2024-06-23 09:58:39 -- 142.251.221.78 health is ok
2024-06-23 09:58:40 -- 142.251.221.78 health is ok
2024-06-23 09:58:41 -- 142.251.221.78 health is ok
2024-06-23 09:58:42 -- 142.251.221.78 health is ok
2024-06-23 09:58:43 -- 142.251.221.78 health is ok
2024-06-23 09:58:44 -- 142.251.221.78 health is ok
```

```
ping
64 bytes from 142.251.221.78: icmp_seq=104 ttl=115 time=59.998 ms
64 bytes from 142.251.221.78: icmp_seq=105 ttl=115 time=56.175 ms
64 bytes from 142.251.221.78: icmp_seq=106 ttl=115 time=55.414 ms
64 bytes from 142.251.221.78: icmp_seq=107 ttl=115 time=54.026 ms
64 bytes from 142.251.221.78: icmp_seq=108 ttl=115 time=54.917 ms
64 bytes from 142.251.221.78: icmp_seq=109 ttl=115 time=63.693 ms
64 bytes from 142.251.221.78: icmp_seq=110 ttl=115 time=53.002 ms
64 bytes from 142.251.221.78: icmp_seq=111 ttl=115 time=54.768 ms
64 bytes from 142.251.221.78: icmp_seq=112 ttl=115 time=75.750 ms
```

Want everything in the same window?



Tmux sessions

One command + Several combination

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Almost unlimited number of sessions

```
tmux                                1
"dependencies": {
  "ws": "^8.16.0"
},
"devDependencies": {
  "@types/node": "^20.14.2",
  "typescript": "^5.4.5"
}

Let's code here

-- INSERT --

64 bytes from 142.251.221.78: icmp_seq=36 ttl=115 time=6
7.287 ms
64 bytes from 142.251.221.78: icmp_seq=37 ttl=115 time=6
1.076 ms
64 bytes from 142.251.221.78: icmp_seq=38 ttl=115 time=6
5.557 ms
64 bytes from 142.251.221.78: icmp_seq=39 ttl=115 time=8
0.041 ms
64 bytes from 142.251.221.78: icmp_seq=40 ttl=115 time=6
5.386 ms
64 bytes from 142.251.221.78: icmp_seq=41 ttl=115 time=6
3.882 ms

[1] 0:vim- 1:ping*                                "Tonys-MacBook-Air.loc" 23:15 23-Jun-24
```

When it is useful?

- Working on a remote server via the console where one established session equals many sessions without additional logins.
- Editing files remotely simultaneously.
- Checking logs or incoming messages from multiple sources.
- Wanting to see the time :)
- Wanting to have detached windows to return later to the same configuration.
- Wanting to make a video for a movie about hackers.

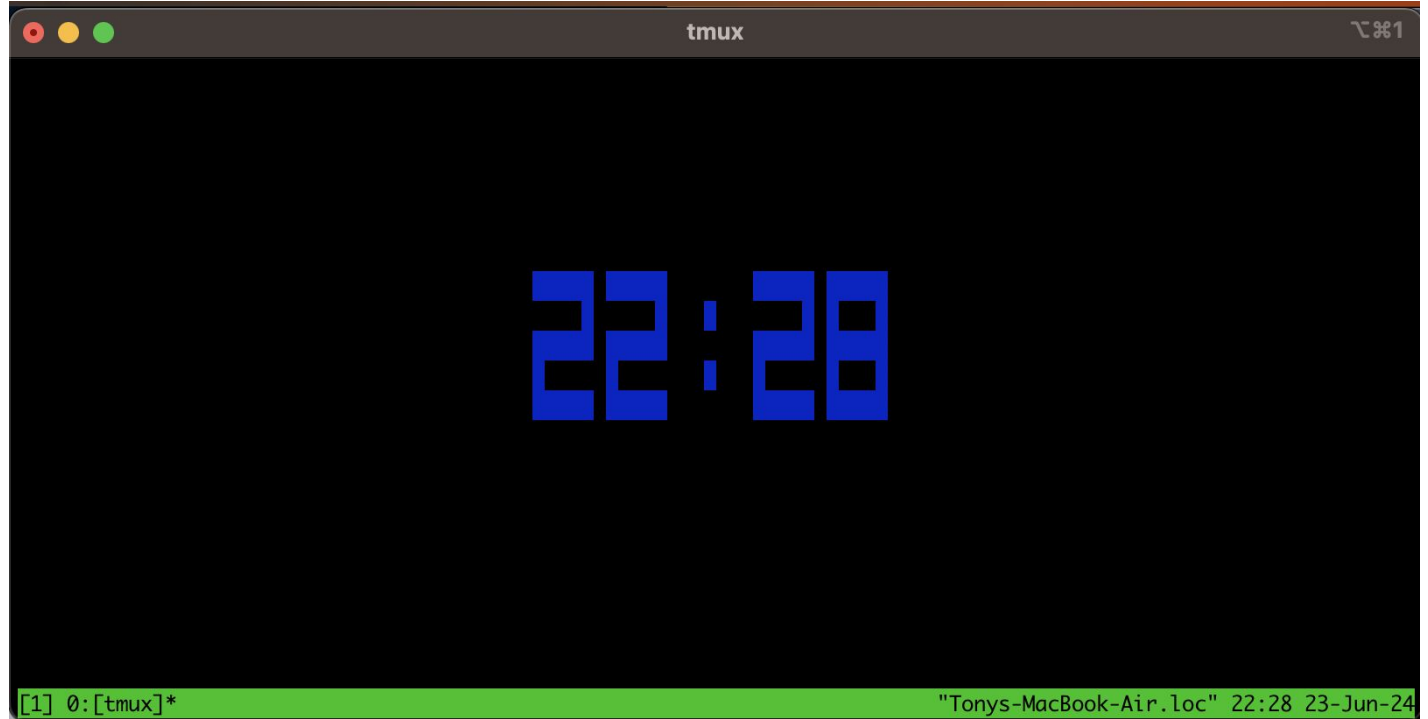
Editing several files on remote server?

- CTRL b %
- Vim ./somefile
- CTRL b 0
- Vim ./anotfiler

[illegible]

Time on a screen! Wow!

Ctrl + B t



Tmux allows you to detach and later reattach terminal sessions with the same setup.

Run Ctrl+B t

```
(0) - 0: 1 windows
(1)  ↳ + 0: zsh*
(2) - 1: 1 windows
(3)  ↳ 0: [tmux]*: "Tonys-MacBook-Air.local"
(4) - 2: 1 windows
(5)  ↳ 0: ping*: "Tonys-MacBook-Air.local"
(6) - 3: 1 windows
(7)  ↳ 0: zsh*: "Tonys-MacBook-Air.local"
(8) - 4: 1 windows (attached)
(9)  ↳ + 0: [tmux]*Z
```

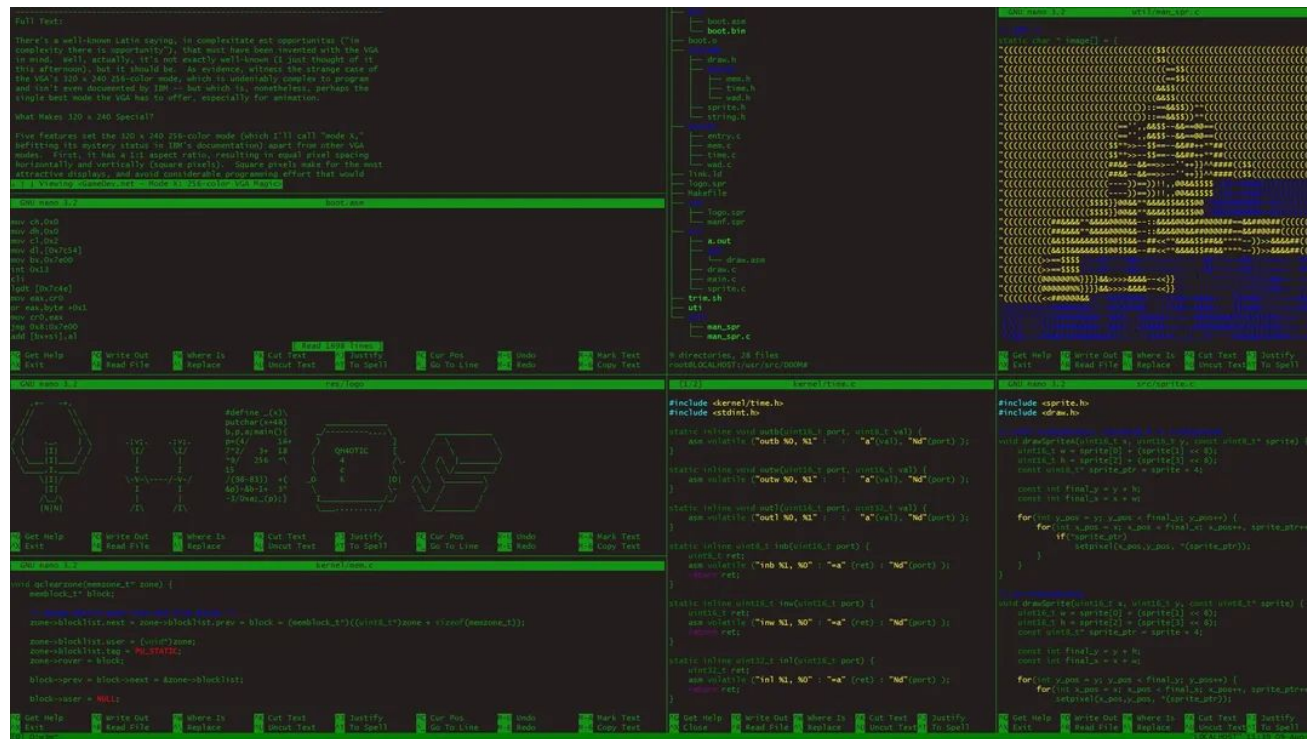
```
0 (sort: index)
-06-23 10:10:32 -- 142.251.221.78 health is ok
-06-23 10:10:33 -- 142.251.221.78 health is ok
-06-23 10:10:34 -- 142.251.221.78 health is ok
-06-23 10:10:35 -- 142.251.221.78 health is ok
-06-23 10:10:36 -- 142.251.221.78 health is ok
-06-23 10:10:37 -- 142.251.221.78 health is ok
-06-23 10:10:38 -- 142.251.221.78 health is ok
-06-23 10:10:39 -- 142.251.221.78 health is ok
-06-23 10:10:40 -- 142.251.221.78 health is ok
-06-23 10:10:41 -- 142.251.221.78 health is ok
-06-23 10:10:42 -- 142.251.221.78 health is ok
-06-23 10:10:43 -- 142.251.221.78 health is ok
```

```
[4] 0:[tmux]*Z
```

```
"Tonys-MacBook-Air.loc" 22:10 23-Jun-24
```


Wanting to make a movie about hackers?

So impressive!



https://www.reddit.com/r/linux/comments/i7qoqv/tmux_is_a_godsend/

Splitting

- Ctrl+B % — Split the window into two panes horizontally.
- Ctrl+B " — Split the window into two panes vertically.

Navigation

- Ctrl+B D — Detach from the current session..
- Ctrl+B Arrow Key (Left, Right, Up, Down) — Move between panes.
- Ctrl+B X — Close pane.
- Ctrl+B C — Create a new window.
- Ctrl+B N or P — Move to the next or previous window.
- Ctrl+B 0 (1,2...) — Move to a specific window by number.
- Ctrl+B W — Open a panel to navigate across windows in multiple sessions.

General actions

- Ctrl+B D — Detach from the current session.
- Ctrl+B : — Enter the command line to type commands. Tab completion is available.
- Ctrl+B ? — View all keybindings. Press Q to exit.
- Ctrl+B W — Open a panel to navigate across windows in multiple sessions.
- Ctrl+B & — Kill the current window

Documentation

<https://github.com/tmux/tmux/wiki>

Thank You

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SCAN ME

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