

Editing Simulation

By Mert Tümer

Consultant Software Engineer



mert.tumer@collabora.com



What is it?

All about typing simulation!

- "N" number of views joining to the document
- Starting typing..

What you can do:

- Adjust the typing speed
- Define the duration
- Setup single or multiple views
- Have it report tile per request statistics and much more.





Why is it needed?





Why needed?

- Difficult and time consuming to measure performance by yourself
- Even harder if not impossible for collaborative editing
- Not reliable without repeating the same steps.





How does it work?





How it works

Tools used:

- Node.js
- JSDOM
- Web socket
- Linux perf





Conclusion

Easily discovered problems

- Sidebar, text composition, networking, rendering and much more.
- Performance gains up to 30% in cpu time
- Thanks to Michael, Miklos, Tor, Noel, Lubos





Sidebar







Sidebar







Sidebar







Thanks!

By Mert Tümer

Consultant Software Engineer

@CollaboraOffice
hello@collaboraoffice.com
Collaboraoffice.com

