Your browser is your computer

exaequOS is an operating system fully running in your web browser and allows you to:

Learn coding with fun,
Create cross-platform apps,
Share them easily with everybody.

Start

Learn

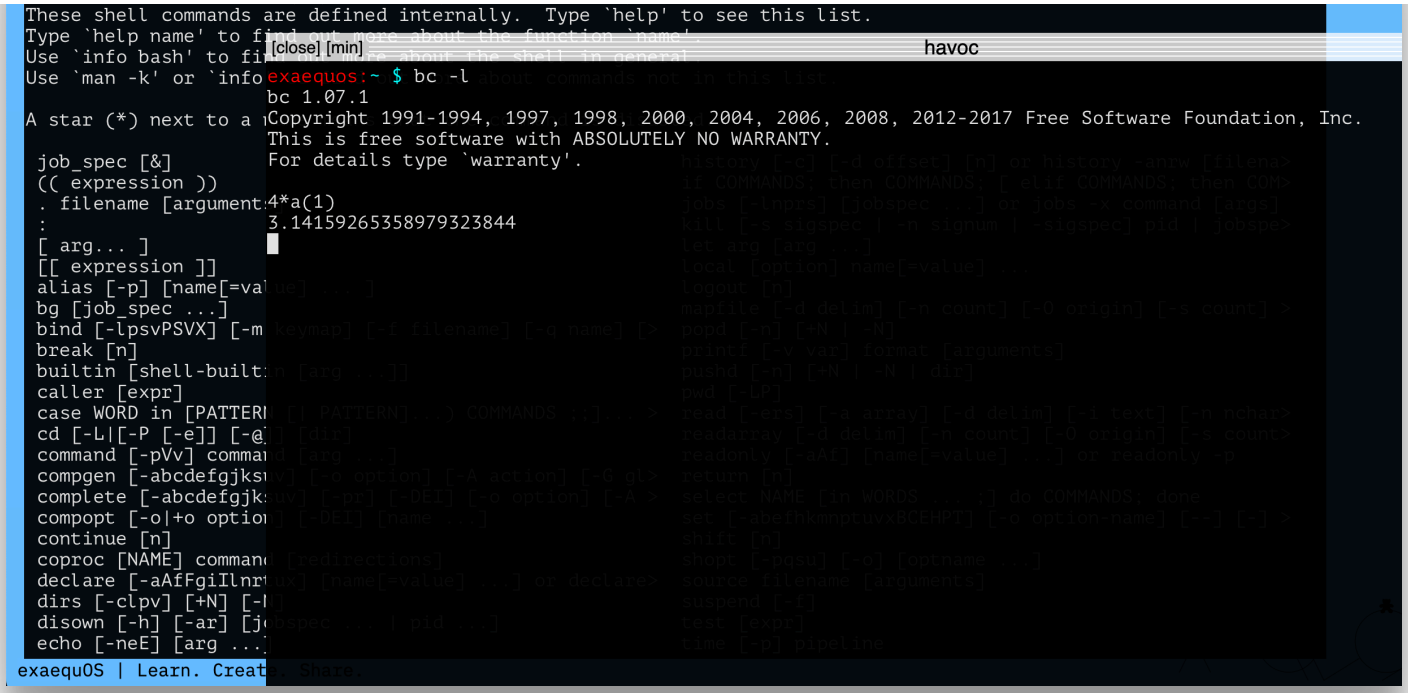
- You will learn coding with a Unix-like environment, as if you were on a real machine with real tools: shell, text editors, utilities, windowing system.
- You will learn coding with the same environment on every web browser on every kind of computer.
- You will learn coding apps running in the terminal and graphical apps.

Create

- You will create apps compiled in WebAssembly and that will run in any web browser.
- You will create apps that run in a Unix-like operating system.
- You will create console and graphical apps that can run in parallel and can communicate each other.
- You will port any existing app to this cross-platform environment.

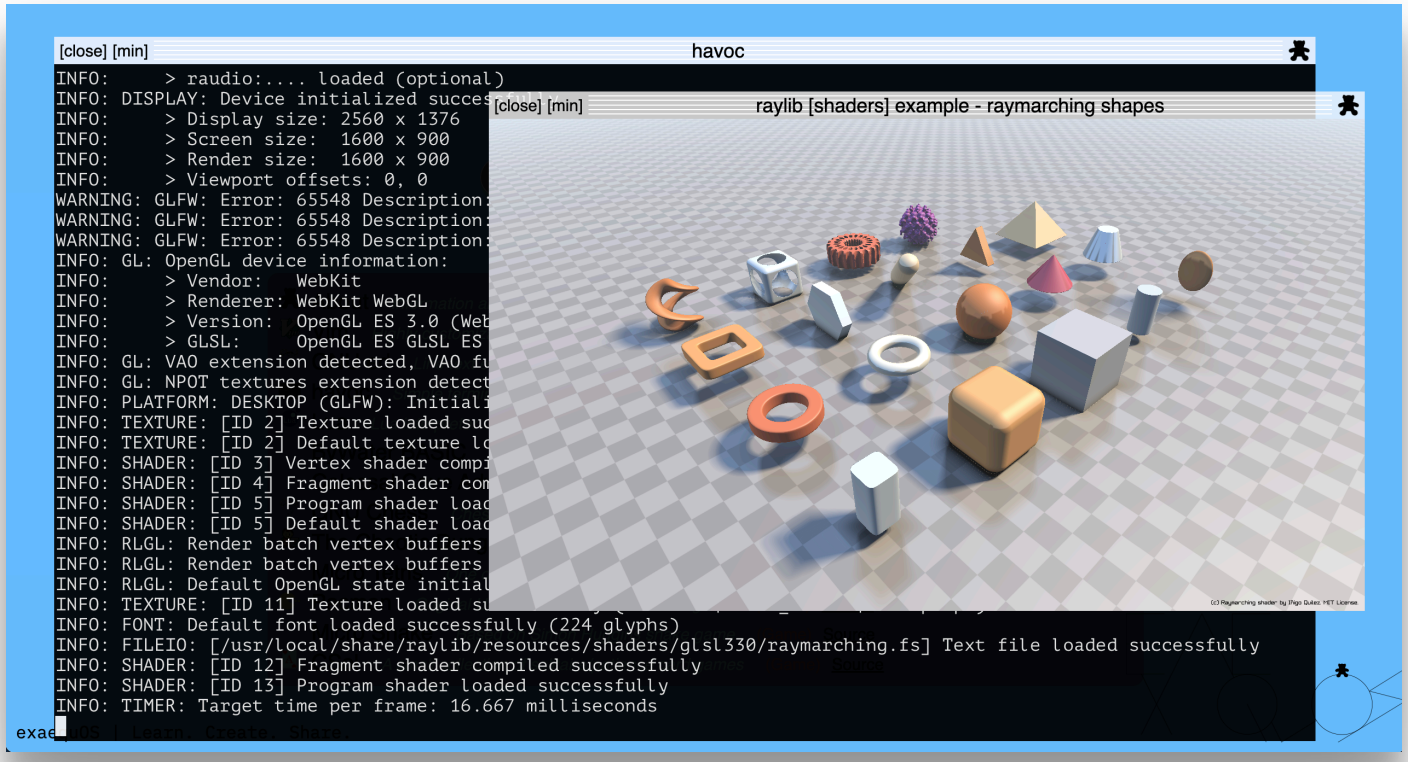
Share

- You will publish your apps on the store.
- You will share your apps to everybody with one link through Web, emails and social networks.
- You will search apps published on the store and execute them with no installation.
- Everybody share same up-to-date execution environment, same user experience, same apps.

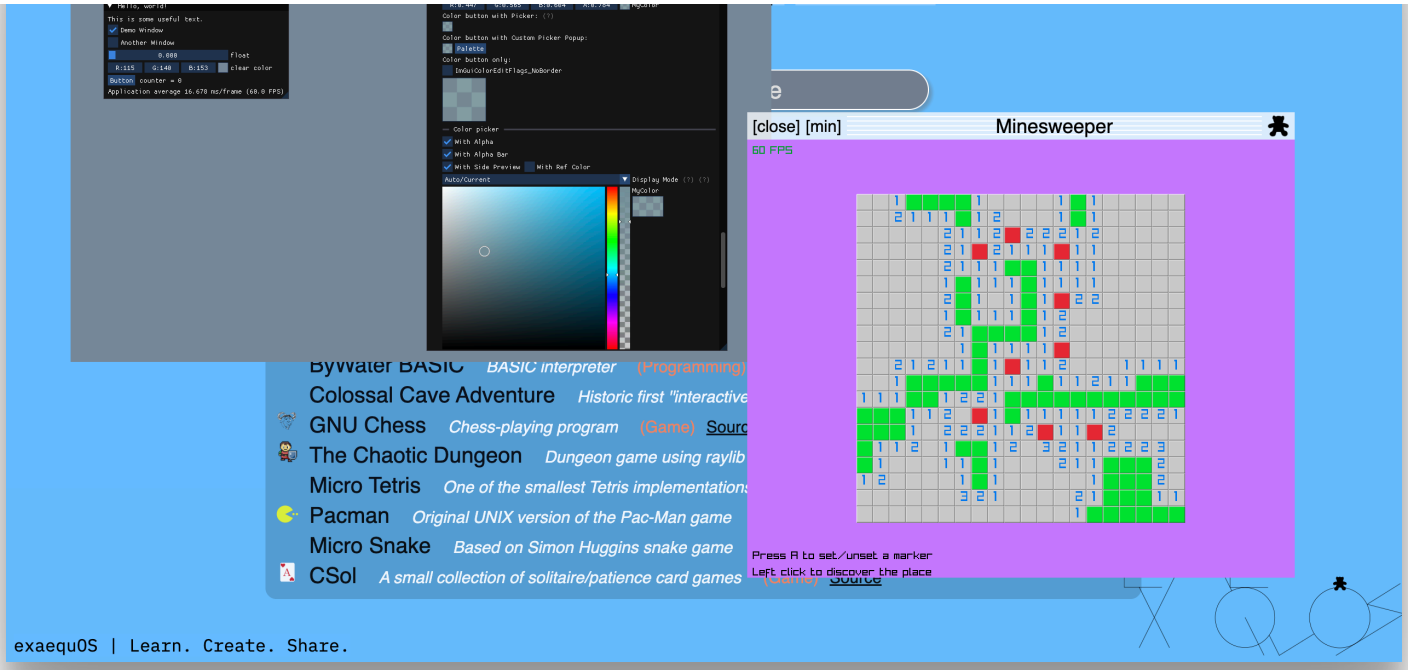


exaequOS is much more than a web desktop, it is a real Unix-like operating system with drivers and resource manager.

It is able to run multiple apps within several terminals at same time.

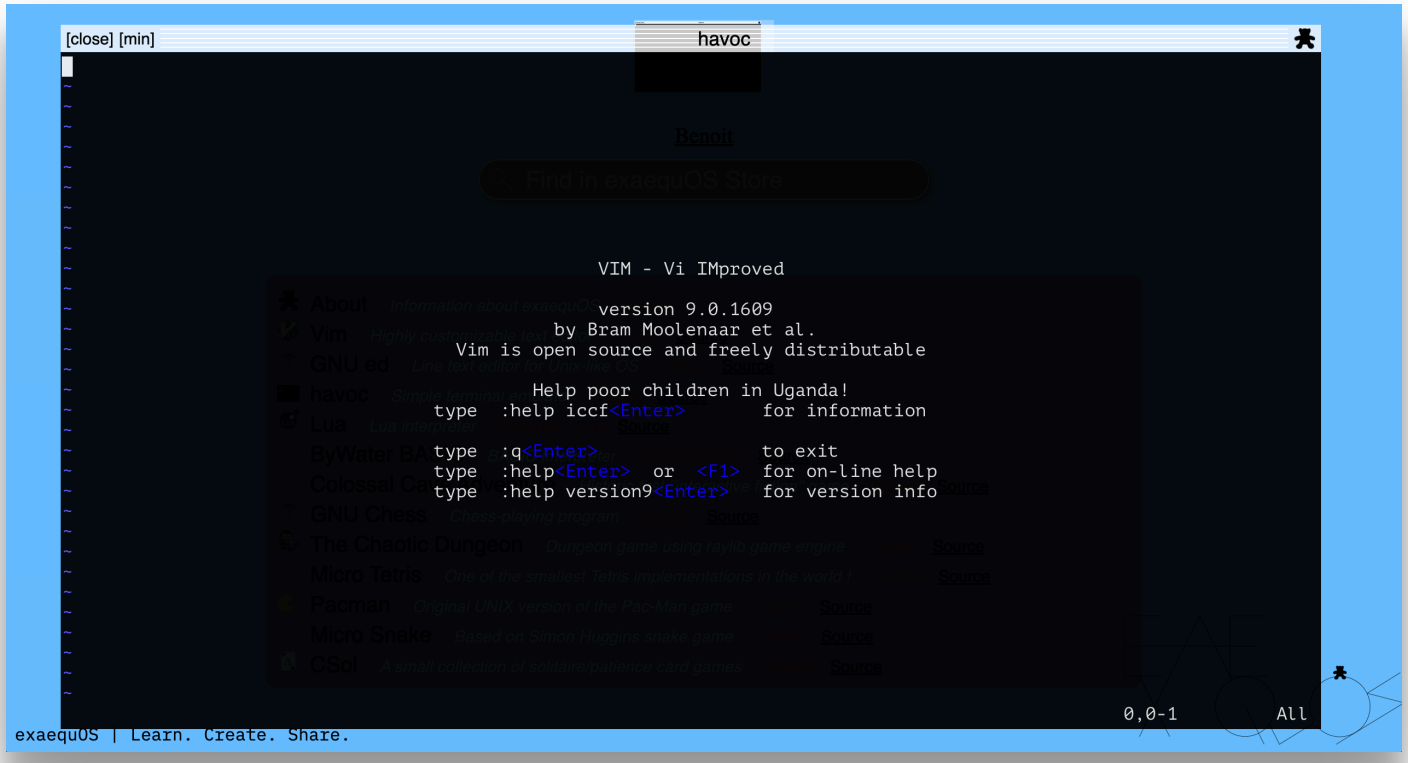


exaequOS can run Wayland applications that directly draw in the buffer (case of havoc terminal) or use OpenGL ES 3.0/WebGL 2.0 (case of raylib demo app).



exaequOS supports graphical frameworks such as Raylib, Dear ImGui.

You can develop Raylib app in Javascript and Lua.



You can edit text files inside exaequOS using Vim, microEMACS, Monaco, GNU nano and GNU ed.

Supported languages

Developer's guide explains how to develop and share apps in the following programming languages:

C / C++

Javascript

Lua

Tcl

Scheme

Forth

BASIC

Uxn

bc / dc

Blog

News

Nov 2024	Cloudflare CDN is setup for accelerating exaequOS loading time.
Nov 2024	Jim Tcl and TinyScheme are added into exaequOS.
Oct 2024	Development of Raylib bindings for quickJS.
Sep 2024	exaequOS can be displayed in several tabs/windows, with only one instance of EXA kernel.
Aug 2024	GNU bc and dc, arbitrary-precision calculators, are running in exaequOS.

exaequOS.

May 2024	Dynamic linking is enabled. Lua app can use raylib package (see minesweeper game).
May 2024	Dear ImGui demo app is successfully running.
Feb 2024	Networking and telnet are added in exaequOS.
Feb 2024	exaequOS store is live. Developpers can develop and publish applications for exaequOS.
Dec 2023	V4L2 driver added in exaequOS and used in ncnn demo app that detects objects from webcam video stream.
Dec 2023	Raylib game engine is compiled for exaequOS. You can play The Chaotic Dungeon.
Nov 2023	Upgrade of exaequOS's tty driver with support of ptm/pts, use Havoc as Wayland terminal and switch to graphic desktop.
Oct 2023	exaequOS can run Wayland/OpenGL ES applications (tweet).
Sep 2023	exaequOS implements pthread, pipe and can run GNU chess (tweet).
Jun 2023	exaequOS includes Vim 9.0 text editor.
Jun 2023	Framebuffer driver is added into exaequOS.
May 2023	First implementation of signals and support of ncurses library.
Apr 2023	exaequOS can start, from bash, GNU ed, Collosal cave, Snake, Tetris (tweet).
Apr 2023	localfs is created for storing files in browser's data (indexedDB).
Mar 2023	exaequOS is starting GNU bash (tweet).
Jan 2023	exaequOS is booting with a very first implementation of resource manager, tty driver et netfs driver.

Nov 2022 GNU bash compiled in WebAssembly with emscripten and running (in standalone mode) in a web page using xtermjs.

Oct 2022 GNU ed compiled in WebAssembly with emscripten and running (in standalone mode) in a web page using xtermjs.

Contact

You can join the Discord server or send an email to:

info at exaequos dot com

ex æquo: latin expression meaning "equal; in an equal state"