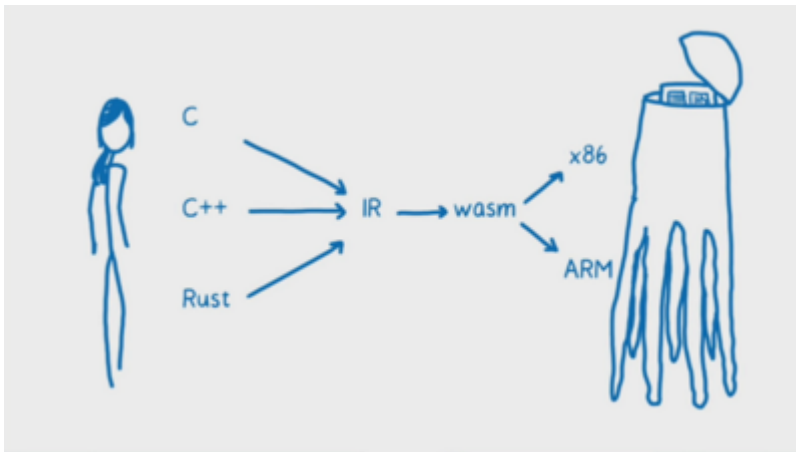


Web Assembly (Wasm)

Created by [barzilouik](#) on Tue 23-10-18

Infos

- Learn to know the next evolution inside/outside the browser with this new virtual machine.



Learn

- [Webassembly docs @Mozilla](#)
- ["Webassembly in action" \(MEAP\) book](#), some chapters available
- [Web assembly free books](#)
- [wasmbysample](#)
- Tour of webassembly [chap1](#) and [chap2](#)

Vids

- [Wasm good intro Video](#)
- [GOTO 2019 • WebAssembly Beyond the Browser • Dan Callahan Video](#)
- [WebAssembly summit 2020,feb](#)

Blog/Infos

- [Twitter Rust + Wasm](#)
- [Scott Logic](#)
- [Wasm weekly](#)
- [Bytecode Alliance](#) .. evolution of the ecosystem

Tools

- [Webassembly studio](#) (+ [explanation video](#)) +(1 [wall led example](#))
- [Wasm Fiddle](#) with a fractal example (c+ + to wasm online) cf [article](#)

- [Wasm Explorer \(online c++ compiler, assembler\)](#)
- [WasmJIT](#) .. compile c code to wasm, exec it, make kernel modules
- [terrarium](#) ... generate sandboxed wasm, experimental, deployed as a service

Ressources

- [nphysics.org](#)... has Wasm demos of Rust's physics Library
- [Awsome Wasm](#)
- [Qt for webassembly example](#)
- [Wasm is not a state machine](#) .. troubleshoot wasm design
- [Classic Atari Robbo \(rust=>wasm\)](#)
- [Awesome Wasm Runtimes](#) (incl. Nebulet)

OS

- [tomaka os](#) .. executables are all in WASM and are loaded from some IPFS-like decentralized network.

interpreters

- [Wasmer](#) .. compiling tool for native packed executable (i.e run wasmed Nginx!)
- [Wasm3](#) .. very fast C interpreter (embeddable on ESP, etc...)
- [Crafting Interpreters](#) .. language, interpreter, VM (good overlook)

repositories

- [Webassembly.sh](#)
- [Wapm](#) .. is the WebAssembly Package Manager, [announce@medium](#)

Demos

- [4K WebGL + sound](#)
- [GameBoy color emulator](#)
- [Doom!](#) (btw cf the [j.carmack epic dev](#))
- [The famous Epic Zen Garden demo](#) (not available online)
- [Maze](#)
- [World of wasm](#)
- [Made with Webassembly](#)
- [Sokol C small 2D/3D engine](#)

Target languages

Rust and

- [HelloRust](#) .. some news but not updated
- [CraneStation/wasmtime](#) ... VM from the Cretonne/Cranelift project
- [Nanowasm](#) ... minimal embeddable VM no_std
- [wabt](#) ... The WebAssembly Binary Toolkit
- [Course using Rust with Webassembly](#)
- [The Rust Wasm book](#)
- [Increase Rust/Wasm performance](#)

- [Tutorials - Hello wasm-pack!](#)

Others

- [AssemblyScript](#) .. Typescript to Wasm compiler
- [Wasm Explorer with C/C++](#)
- [Awsome list of WASM languages](#)

From:

<http://barzilouik.space/carnet/> - **Barzilouik's Carnet**

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