WebAssembly 📄 - OTHER
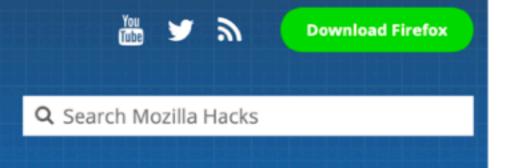
WebAssembly or "wasm" is a new portable, size- and load-time-efficient format suitable for compilation to the web.

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Standardizing WASI: A system interface to run WebAssembly outside the web

By **Lin Clark**

Posted on March 27, 2019 in Code Cartoons, Featured Article, and WebAssembly   ♥ Share This ⌄

Today, we announce the start of a new standardization effort—WASI, the WebAssembly system interface.

Why: Developers are starting to push WebAssembly beyond the browser, because it provides a fast, scalable, secure way to run the same code across all machines.

But we don't yet have a solid foundation to build upon. Code outside of a browser needs a way to talk to the system—a system interface. And the WebAssembly platform doesn't have that yet.

What: WebAssembly is an assembly language for a conceptual machine, not a physical one. This is why it can be run across a variety of different machine architectures.

Just as WebAssembly is an assembly language for a conceptual machine, WebAssembly needs a system interface for a conceptual operating system, not

https://hacks.mozilla.org/2019/03/standardizing-wasi-a-webassembly-system-interface/