

What is WebAssembly?

A binary instruction format for a **stack-based virtual machine**

A widely adopted **browser-native language** that is not JavaScript

A **compilation target** for your favorite language

A language designed with **formal semantics!**

Towards a Self-Certifying Compiler for WebAssembly

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How is WebAssembly?

Relatively new piece of technology

- + Code that runs in the browser
 - + Unverified but widely used implementations
- = Things waiting to go wrong!