

WebAssembly: future

WebAssembly's current iteration is a **minimal viable product**. Many **new features** are coming to *WebAssembly* in the (near) future.

Proposal 1: Threads

- new shared linear memory type
- operations for atomic memory access
- shared memory between threads, atomics and futexes.
- impacted by Spectre (since SharedArrayBuffer had to be disabled)

Proposal

Proposal 2: Web IDL bindings

- Requires reference types
- Kill the call overhead through JS to the DOM
- Let's wasm module declare what glue must be applied to its imports and exports

Proposal

Proposal 3: Garbage Collection

- No longer need to compile GC
- Efficient support for high-level languages

Proposal

- [WebAssembly post MVP](#) by Lin Clark

