

A Wasm Native
API ecosystem

API Ecosystem

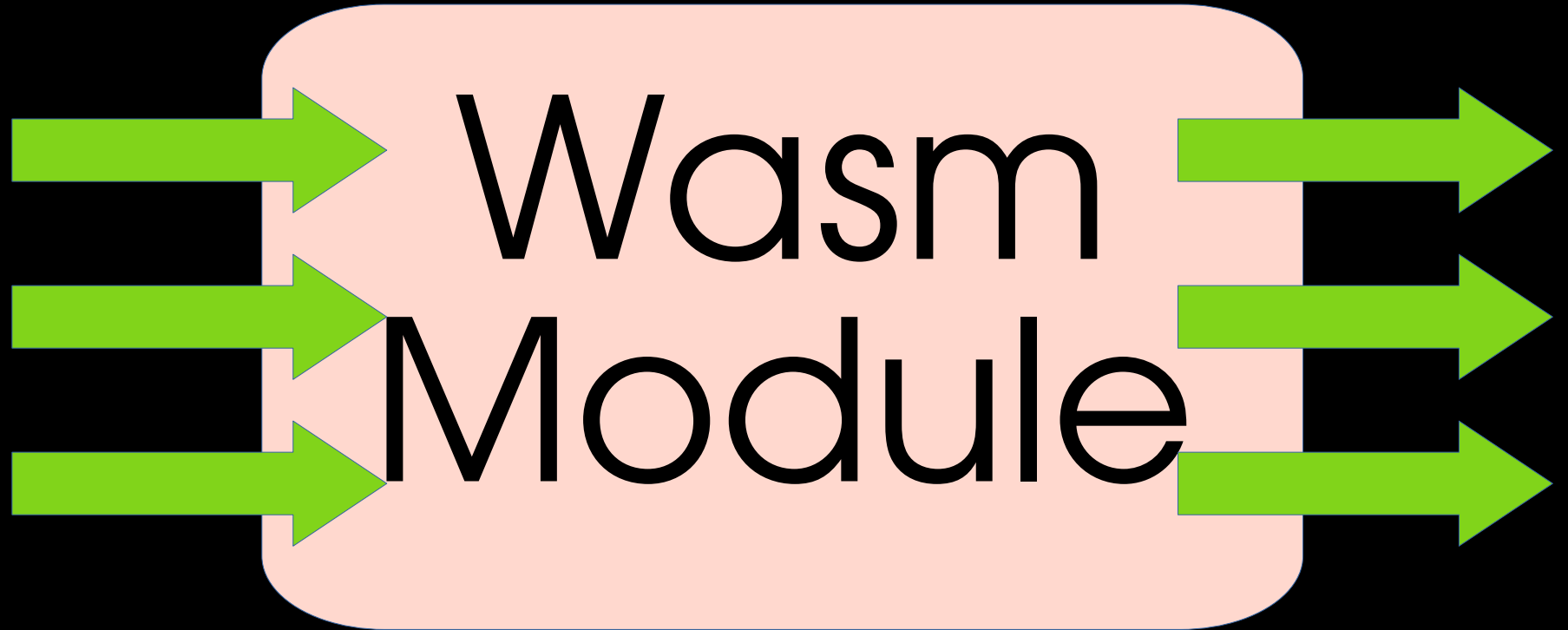
- A standards forum for APIs
 - The WASI Subgroup (SG)
 - In the Wasm Community Group (CG)
 - In the W3C
- Vocabulary, conventions, and tools for APIs that aren't standards too

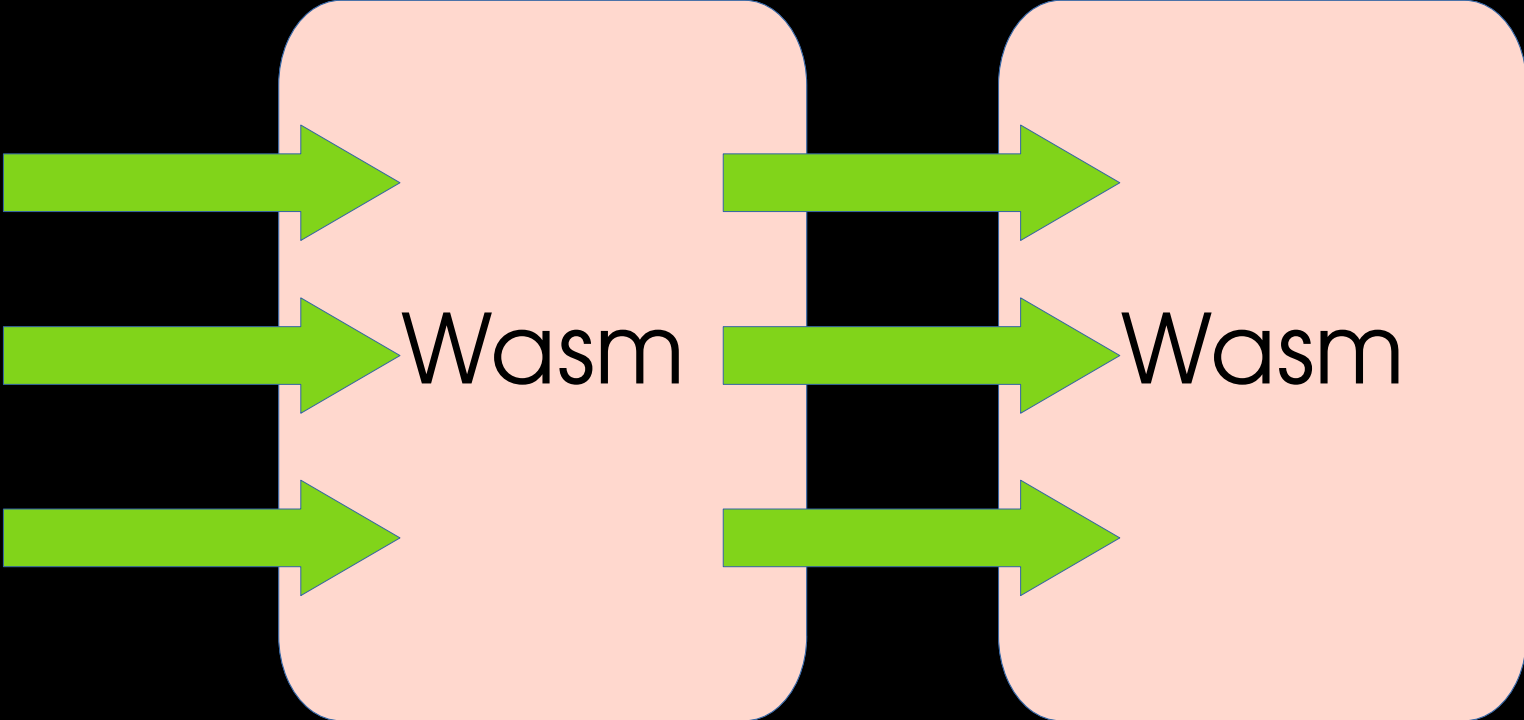
What do we
want of our
ecosystem?

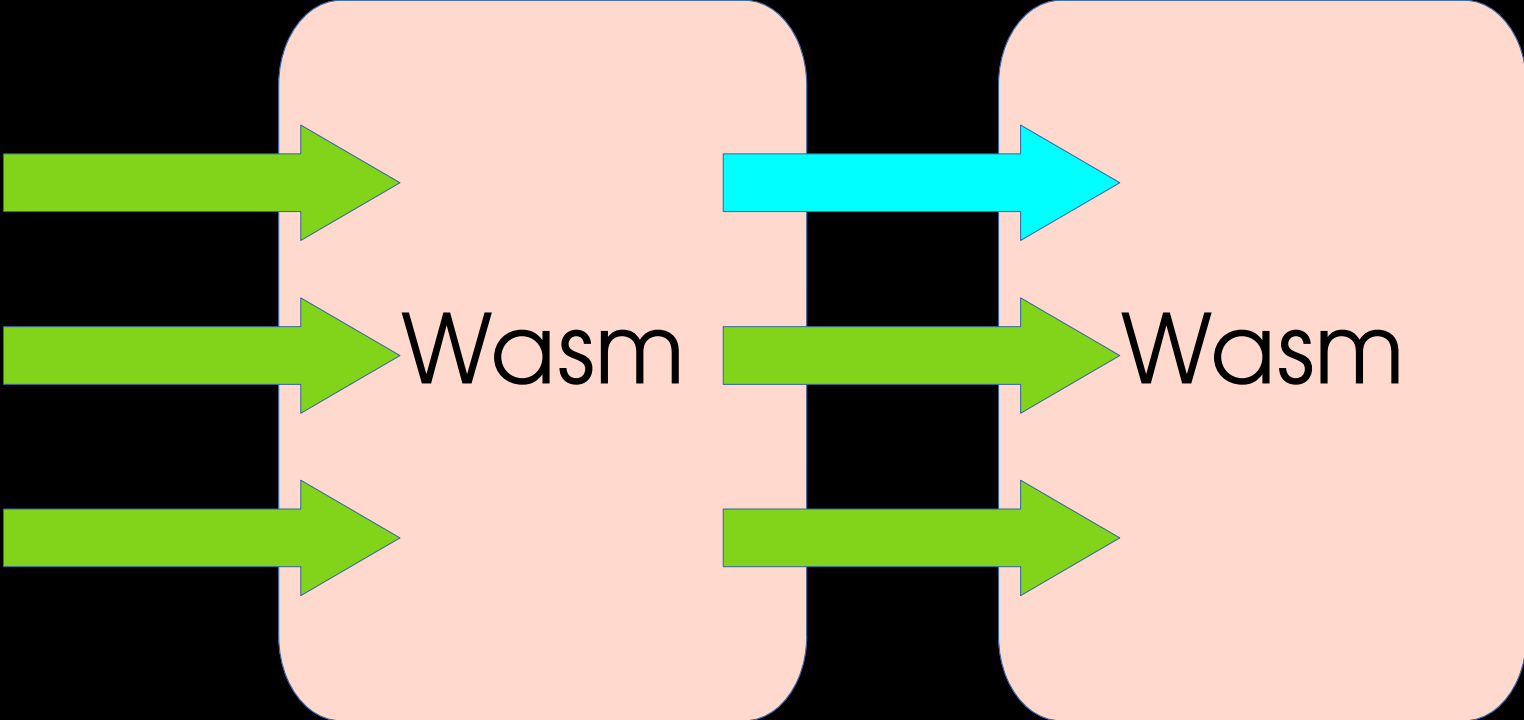
The Case of the Missing Wasm

Imports

Exports







ABIs

ABIs

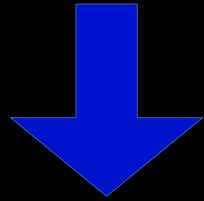
- Error-prone
- No isolation
- Linking is hard
- Evolution is hard
- Even just adding new functions is hard
- Virtualization is hard
- Wasm GC is coming
- Memory64 is coming

Missing:
Linkable Wasm

Everything Is a File?

The Component Model

Do engines have to implement *all* WASI interfaces?



Worlds



Do developers have to know which engines support which interfaces?

