

(a)

Web & IoT Software Applications



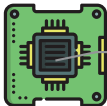
...



Wasm Text Format [.wat]

Wasm Binary Format [.wasm]

Deploy to Hardware

Register-File Based
 μ Processor

- x86/x64
- ARM
- MIPS
- RISC-V
- ...

PAWS Wasm Stack
 μ Processor (This work)

- ✓ Small footprint
- ✓ Save Runtime Overhead

(b)

- JavaScript on Intel Xeon
- JavaScript to Wasm, on Intel Xeon
- Wasm on PAWS μ Processor (this work)
- Wasm Boost ↔ Wasm Runtime Overhead

