

October 30, 2023

Agenda

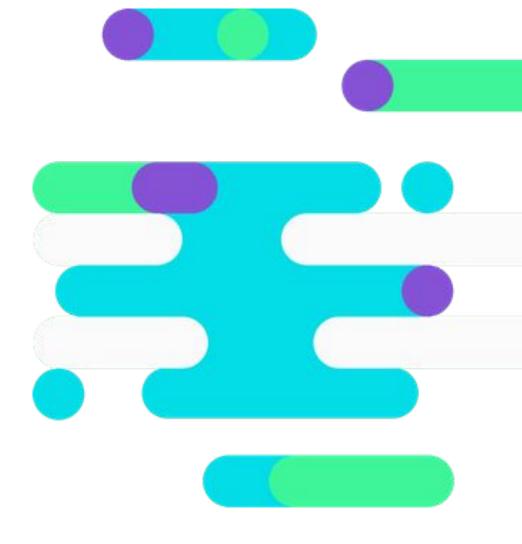
- SIG Guest Languages
 - Golang Subgroup update
- WASI 0.2.0 Update
- Wasmtime Update
- Events

Questions?
Zulip #community-stream









SIG Guest Languages Golang Subgroup

Jiaxiao (Joe) Zhou

Golang Subgroup

- Goal: make Wasm components native to the Go ecosystem
 - Binding generators, Toolings and Compiler
- Go 1.21 supports wasip1: demo
 - WASI support in Go The Go Programming Language
 - Join #webassembly on the Gopher Slack
- Current work:
 - Go memory management in the WebAssembly Component Model
 - proposal: cmd/compile: add go:wasmexport directive
 - Wit-bindgen-go support for resources
 - ydnar/wasm-tools-go

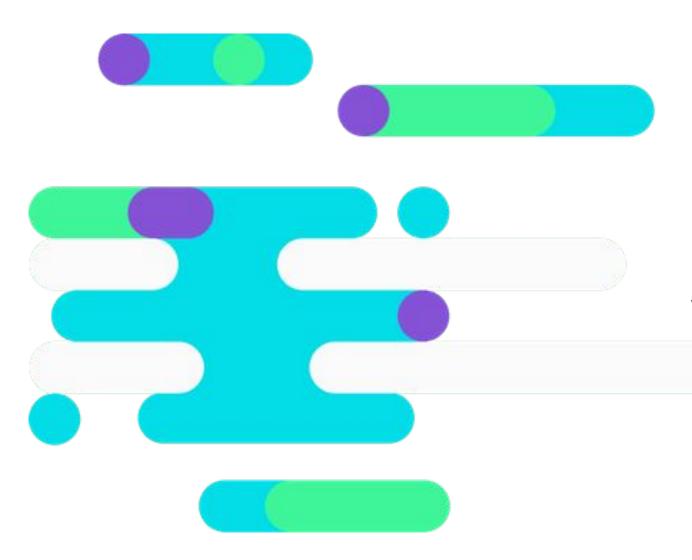


Golang Subgroup

- Meet every other Tuesday at 10 PST
- Attending
 - Email <u>jiazho@microsoft.com</u> or achille@stealthrocket.tech
- Agenda: Google docs



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WASI 0.2.0

Pat & Bailey WASI Co-Chairs

WASI 0.2.0

Upcoming WASI SG meetings

- November 2nd
 - Poll for reframing WASI to stand for "WebAssembly Standard Interfaces" (WASI/#563)
- November 16th
- November 30th
- December 14th

What's next? Phase 3 with two implementations!

More details on the phase process

https://github.com/WebAssembly/WASI/blob/main/preview2/ README.md#proposal-requirements-for-inclusion-in-wasi-preview-2

Two worlds are now at Phase 2 🎉

- wasi-cli
- Wasi-http-proxy



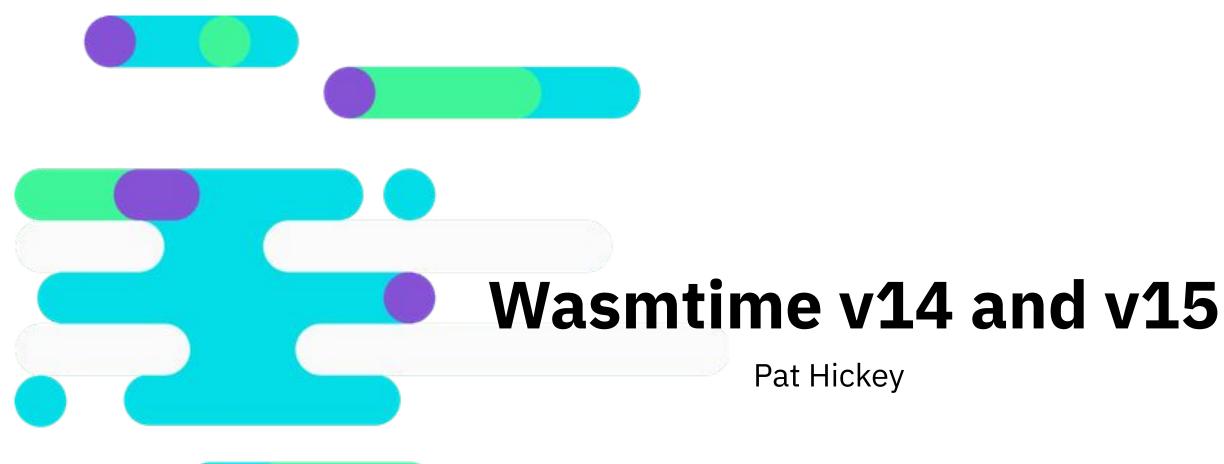


WASI 0.2.0 Progress

34	Wasmtime wasi-sockets implementation: Tests demonstrate portability criteria met #7014	sunfishcode -	In Progress	wasi:tests
35	Jco transpile: nonblocking implementation of poll-oneoff #153	guybedford and yo	In Progress	enhancement target-we
36	○ Componentize-js: event loop integrated with preview2 poll #50	tschneidereit -	In Progress	¥
37	Componentize-js: port fetch and related builtins to wasi-http #51	standareit -	In Progress	*
38	• wit-bindgen go: support resources #696	Mossaka -	In Progress	gen-tinygo
39	• wasi-http: spec document behaviors for content-encoding, upgrade, other headers with porta #7271	(o) lukewagner	In Progress	*
40	• wasi-filesystem: implement access-mode related functions #7354	sunfishcode -	In Progress	*
41	• wasi-http: test that configured timeouts raise errors #7356	elliottt	In Progress	+
42	Wasmtime wasi-sockets implementation: Finish tweaks to spec #7013			wasi:impl
43	① Jco transpile: implementation of wasi-sockets for Node.js #154	nanekinekko 🔻		enhancement target-no
44	Jco transpile: implementation of wasi-http for Web #155	guybedford		enhancement target-we
45		standareit -		*
46	• Fill out the error variant in wasi-http #7428	pchickey -		-







Wasmtime 14

- wasi:http implementation
 - Uses {input,output}-stream from the wasi:io/streams interface #7056
 - wasi:http inbound requests support
 - o wasmtime serve command #7091
- wasi:sockets/ip-name-lookup implementation #7109
- CLI interface changes
 - wasmtime/issues/7384



Wasmtime 15

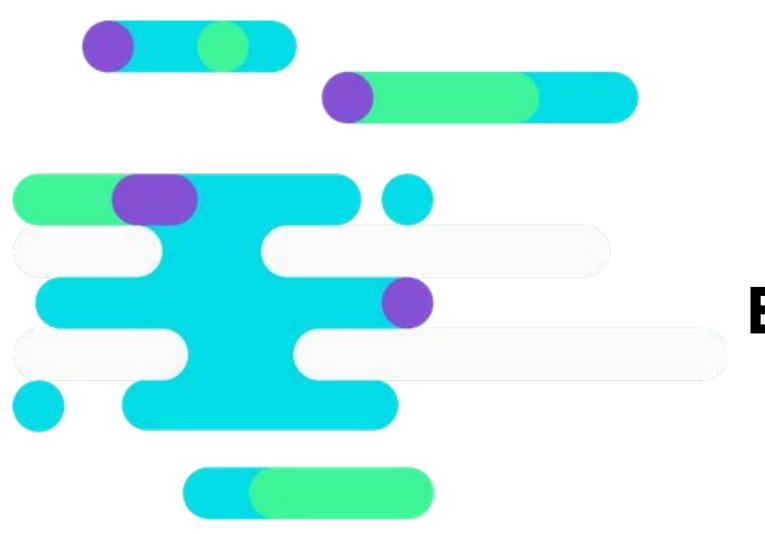
Release date is end of November

Will use pinned WIT definitions from upstream

Expecting wasi-sockets and wasi-http implementations to be complete



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Events

Kubecon Wasm Social - November 5

Join us for the Wasm Social, hosted by the WebAssembly Community Meetup groups from around the world!

https://www.eventbrite.com/e/wasm-social-tickets-736290965097

When: Sunday, 8 - 10PM

Where:

VU Rooftop Bar, 133 East Cermak Road Chicago, IL 60616



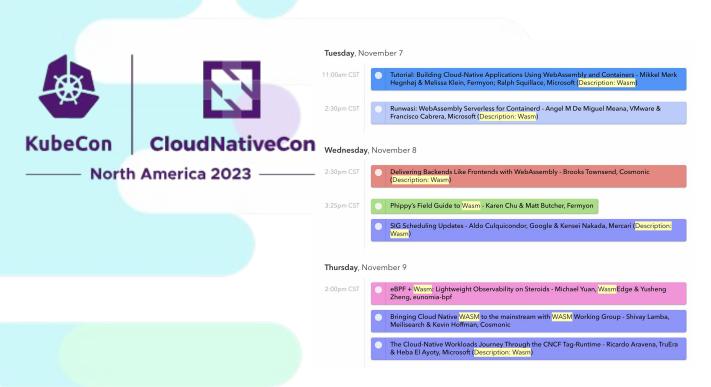


WasmDay and Kubecon - November 6, 2023

WasmDay is <u>Next Mondαy</u> Nov 6th, Kubecon 7-9









Wasm I/O 2024

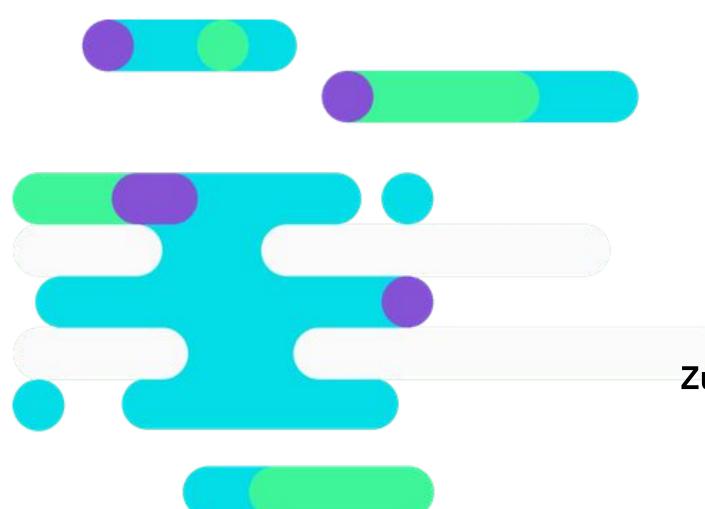
14 - 15 MAR · Barcelona

https://2024.wasmio.tech/#cfp

Checkout last year: https://2023.wasmio.tech/



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A&Q

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