

Berlin - zk execution environment

- Duration: 60 minutes
- Moderator: Guillaume Ballet / TBA
- Note-taker: TBA

Agenda

- [5 mins] Intro
- [25 mins] System calls / OS interface / Client compilation
- [25 mins] ISA discussion
- [5 mins] Closing remarks

Summary

As zkvm's are making progress and people are looking at building stateless clients, this session will cover the details to harmonize the development environments, in order to foster client diversity in these zk environments.

Goals

- The primary goal of this session is to achieve a consensus on a standardized development environment that various zkVMs can offer to developers.
- The secondary goal is to reach an agreement to standardize on an environment that allows for a variety of languages.

Pre-reads

- <https://hackmd.io/@leoalt/best-isa-ethereum> (<https://hackmd.io/@leoalt/best-isa-ethereum>)
- <https://hacks.mozilla.org/2019/03/standardizing-wasi-a-webassembly-system-interface/> (<https://hacks.mozilla.org/2019/03/standardizing-wasi-a-webassembly-system-interface/>)