

Exercise: WASM: the future of computing

Monday 24 March 2025 16:30 (1 hour)

WASM (WebAssembly) is a technology that defines a standard binary format that can run anywhere, disregarding of the architecture or the operative system.

Started as a technology to compile code for the browser (as the name suggest), WASM is expanding far beyond its original usecase. Its capability of running workloads on any hardware (x86, ARM, GPU, NPU) and any operative system (Linux, Windows, Browsers) makes it ideal for scientific computing, LLMs, blockchain, IoT devices. Furthermore, WASM isolation techniques are slowly replacing containers.

In this series of lectures, we will first give a look at WASM technology and use cases and then try it out with hands-on exercises.

Attended school

tCSC 2024 (Split)

Number of exercise hours

1

Number of lecture hours

1

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