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hello-ebpf: Writing eBPF programs directly in Java

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While there are eBPF libraries for languages like Rust and Go, there are none for Java, one of the most popular programming languages. We developed the hello-ebpf Java library to change this. Its aim is to integrate eBPF programs seamlessly into Java applications, making it possible to write the eBPF programs themselves directly in Java.

In this talk, we show the technology behind the library, its use, and how to use it to easily implement a basic packet filter and a simple Linux scheduler without writing a single line of C code.

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