

eBPF

Advertisement for Thursday side meeting

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What is eBPF?

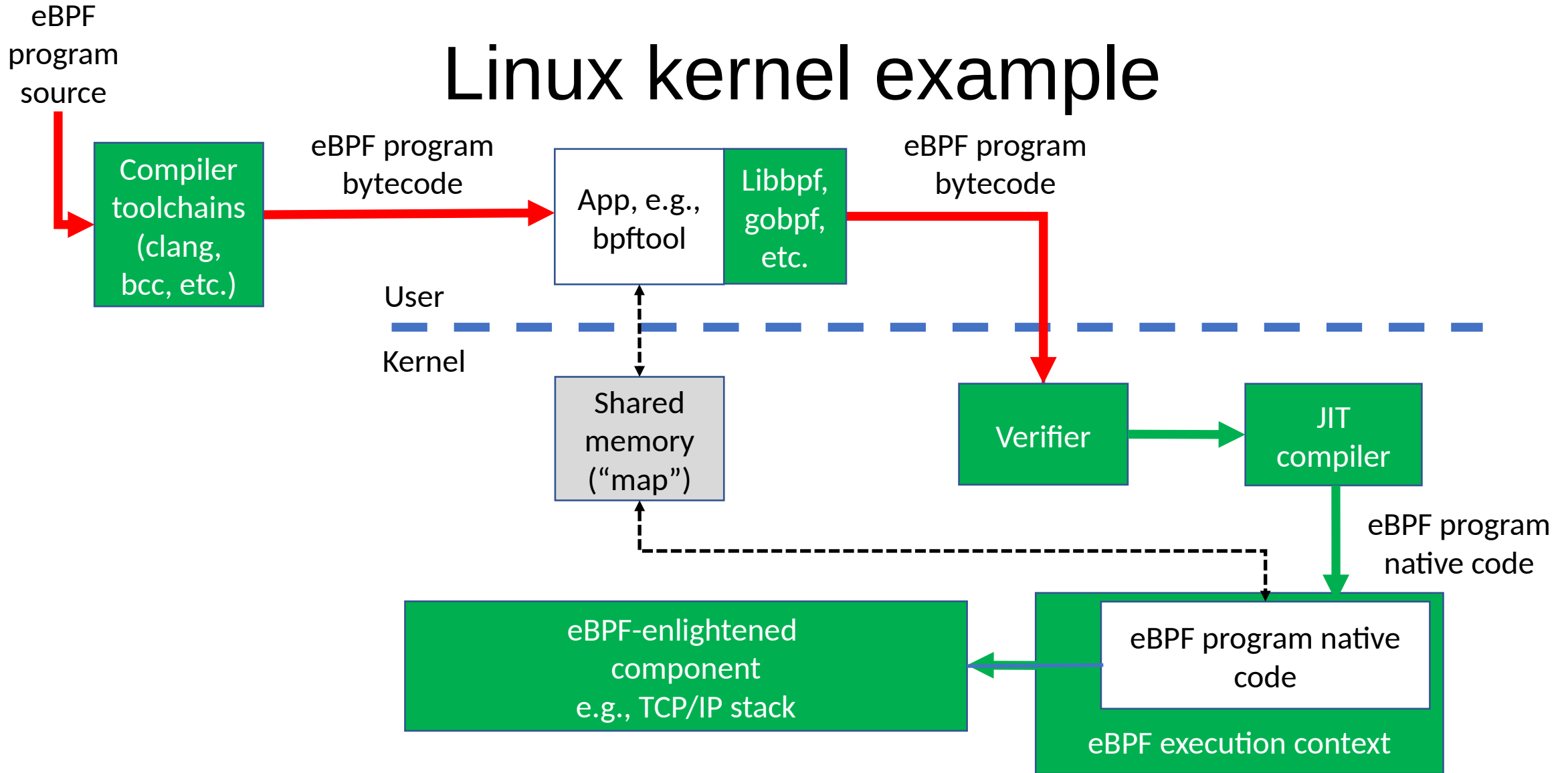
*eBPF is a cross-platform technology
that can run sandboxed programs
to extend a privileged system component*

(ebpf no longer stands for anything)

Rough analogy

JavaScript : browser :: eBPF : OS kernel

Linux kernel example



eBPF document(s)

- Instruction Set Architecture (ISA) – analogous to Java VM
- ELF file format profile
- BPF Type Format (BTF)
- Compiler expectations
- Verifier expectations
- Cross-platform map types
- Cross-platform program types – some networking, some not

Where publish specs?

Other organizations like NVMe want to take a normative dependency on eBPF document(s)

Potential options include:

- A. eBPF Foundation document
- B. ISO (take A to ISO when done)
- C. Independent Stream RFC
- D. IETF RFC**

Side meeting **Thursday 6-7pm** to explore if IETF is best place