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A pure Go BPF library

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At the LSF/MM eBPF track, we discussed the necessity of a common Go library to interact with BPF. Since then, Cilium and Cloudflare have worked out a proposal to upstream parts of github.com/newtools/ebpf and github.com/cilium/cilium/pkg/bpf into a new common library.

Our goal is to create a native Go library instead of a CGO wrapper of C `libbpf`. This provides superior performance, debuggability and ease of deployment. The focus will be on supporting long-running daemons interacting with the kernel, such as Cilium or Cloudflare's L4 load balancer.

We'd like to present this proposal to the wider BPF community and solicit feedback. We'll cover the goals and guiding principles we've set ourselves and our initial roadmap.

I agree to abide by the anti-harassment policy

Yes

I confirm that I am already registered for LPC 2019

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