



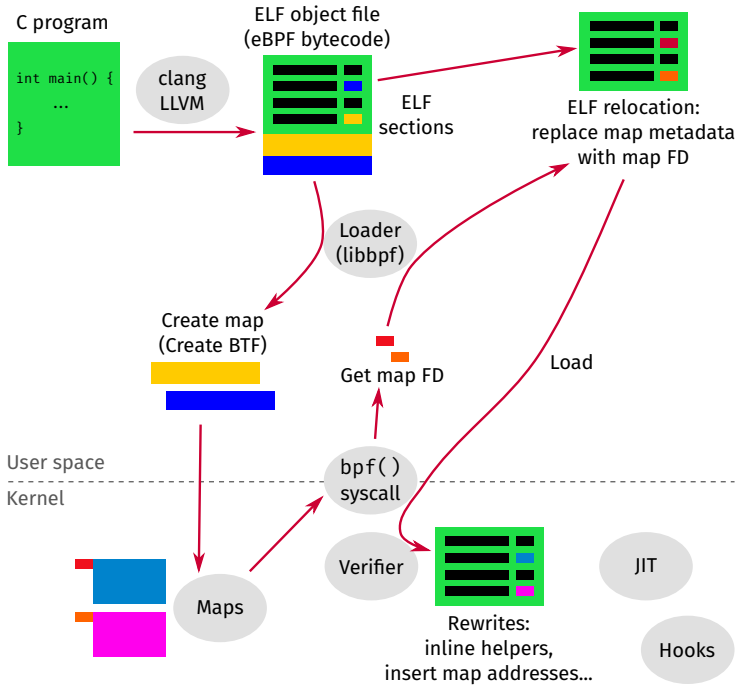
**eCHO**  
**LIVESTREAM**

# A few notes on the demo

- 4 parts:
  - Simple introspection
  - Attach to XDP
  - BTF debug information
  - Level up: more complex commands
- Code and commands available at <https://github.com/qmonnet/echo-bpftool>
- Latest kernel, clang/LLVM, bpftool
- Weird typing: ZSH autosuggestions & colours

# About bpftool

- Sources: Linux kernel repository
- Packaged for some distributions (Ubuntu, Fedora, ...)
- Man pages at  
<https://www.mankier.com/package/bpftool>
- Interactive help:
  - `bpftool help`
  - `bpftool prog help`
  - ...



# Use cases for bpftool in Cilium

- Probe the host:
  - Does it validate the requirements for Cilium?
  - ... for the desired features?
- Load some programs  
(socket operations, bpf\_sock.o)
- Gather data for sysdumps