

Mirage/kFreeBSD

Gábor Páli
pgj@FreeBSD.org



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echo.ml:

open Lwt

```
let main mgr interface id =
  let src = None, 8081 in
  Net.Flow.listen mgr ('TCPv4 (src ,
    (fun (addr, port) t ->
      let address = Ipaddr.V4.to_string addr in
      OS.Console.log
        (Printf.sprintf "From_%s:%d\n" address port);
      let rec loop () =
        lwt res = Net.Flow.read t in
        match res with
        | None      -> OS.Console.log "Connection_closed\n";
                    return ()
        | Some data -> Net.Flow.write t data >>=
                        loop
      in loop ()
    )))
```

echo.conf:

```
# IP configuration (optional)
# ip-use-dhcp: true
# Static IP (optional)
ip-address: 10.0.2.235
ip-netmask: 255.255.255.0
ip-gateway: 10.0.2.2

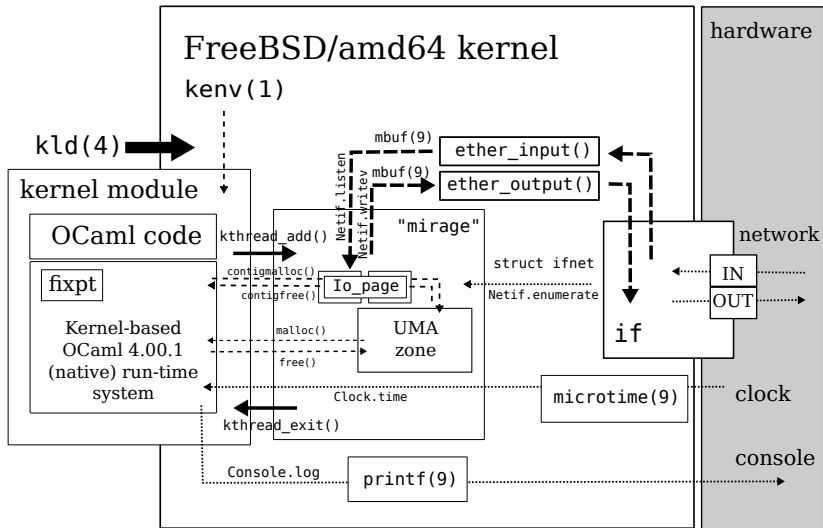
# File system (optional)
# fs-static: ../fs

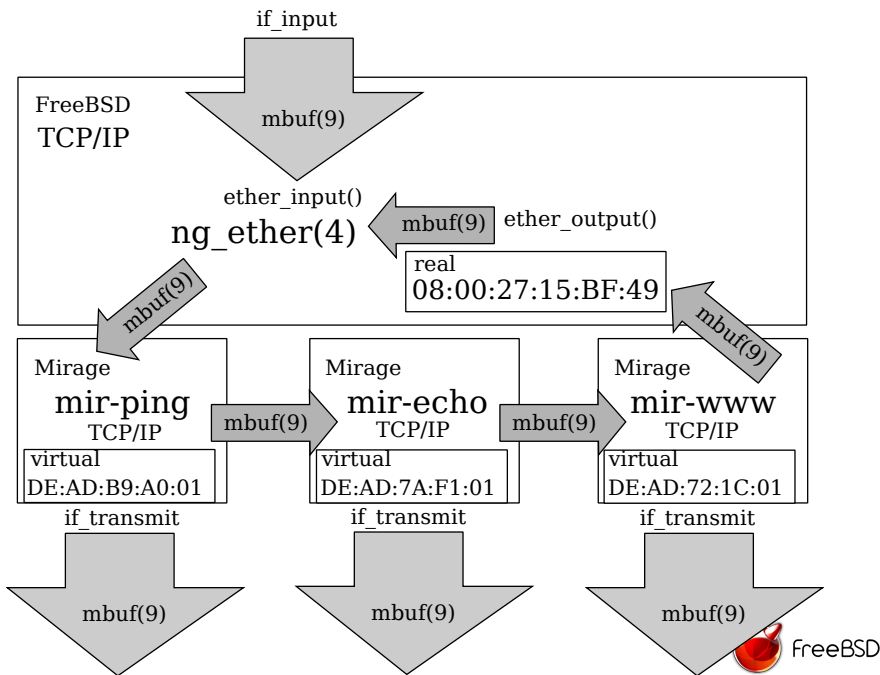
# Main function
main-ip: Echo.main

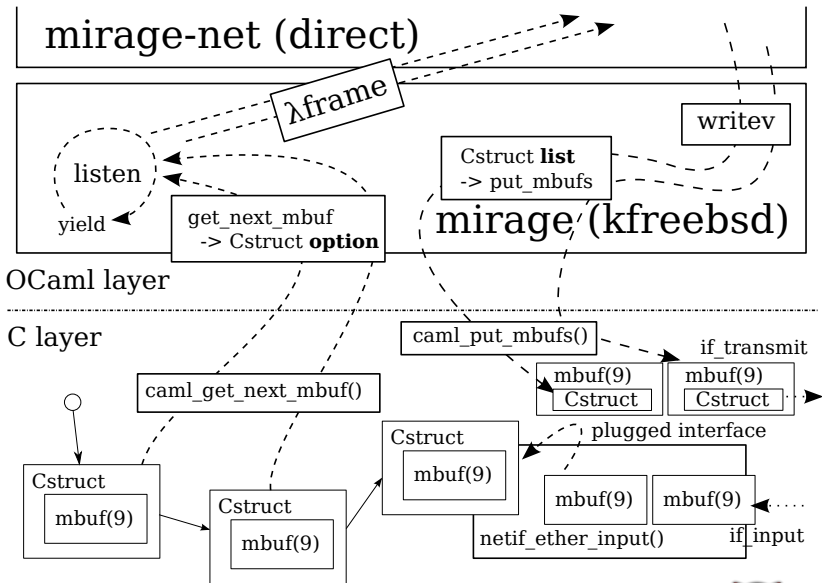
# Dependencies
depends: mirage-net, ipaddr
packages: mirage, mirage-net, ipaddr

$ mirari configure --kfreebsd echo.conf
$ mirari build --kfreebsd echo.conf
$ mirari run --kfreebsd echo.conf
```









Links:

<http://openmirage.org/>
(Mirage home page)

<http://github.com/mirage>
(GitHub repositories)

<http://try.ocamlpro.com/>
(Try OCaml)

<http://opam.ocamlpro.com/>
(OPAM package manager)

<http://github.com/pgj/mirage-platform>
(kFreeBSD backend)

<http://github.com/pgj/mirari>
(kFreeBSD-enabled mirari)

