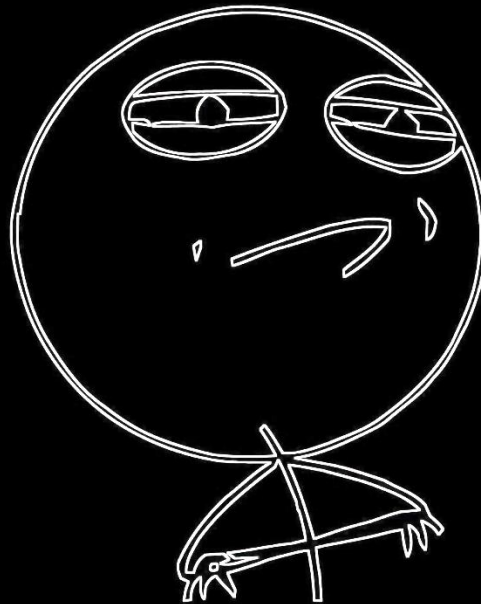


ratools

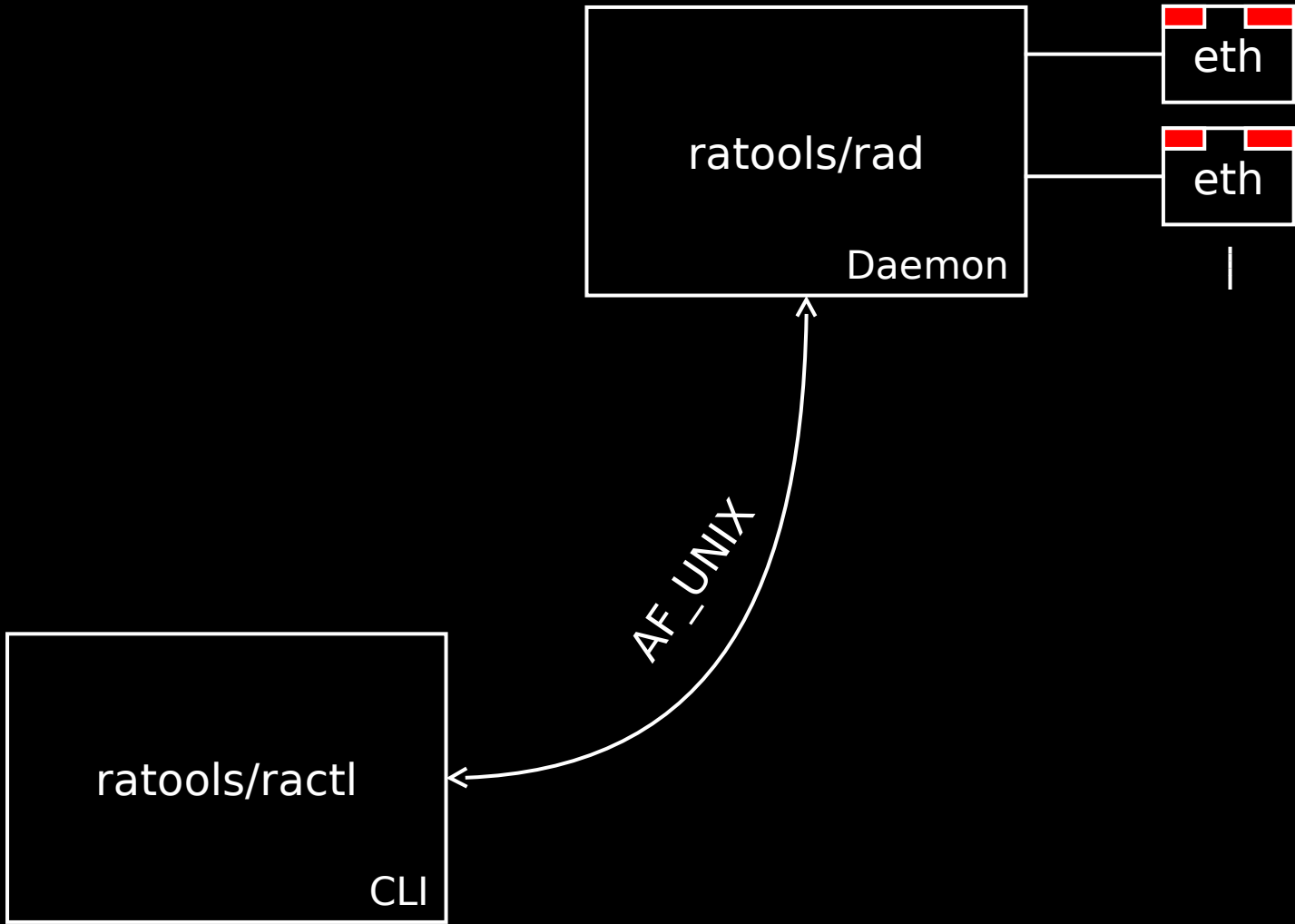
Router Advertisement
Daemon for Linux

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IPv6 Enthusiast

We need **more**
and **better**
IPv6 software!



CHALLENGE ACCEPTED



```
$ ip addr show
```

```
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500  
    qdisc pfifo_fast state UP qlen 1000
```

```
    link/ether 00:0c:29:28:fd:4c brd  
    ff:ff:ff:ff:ff:ff
```

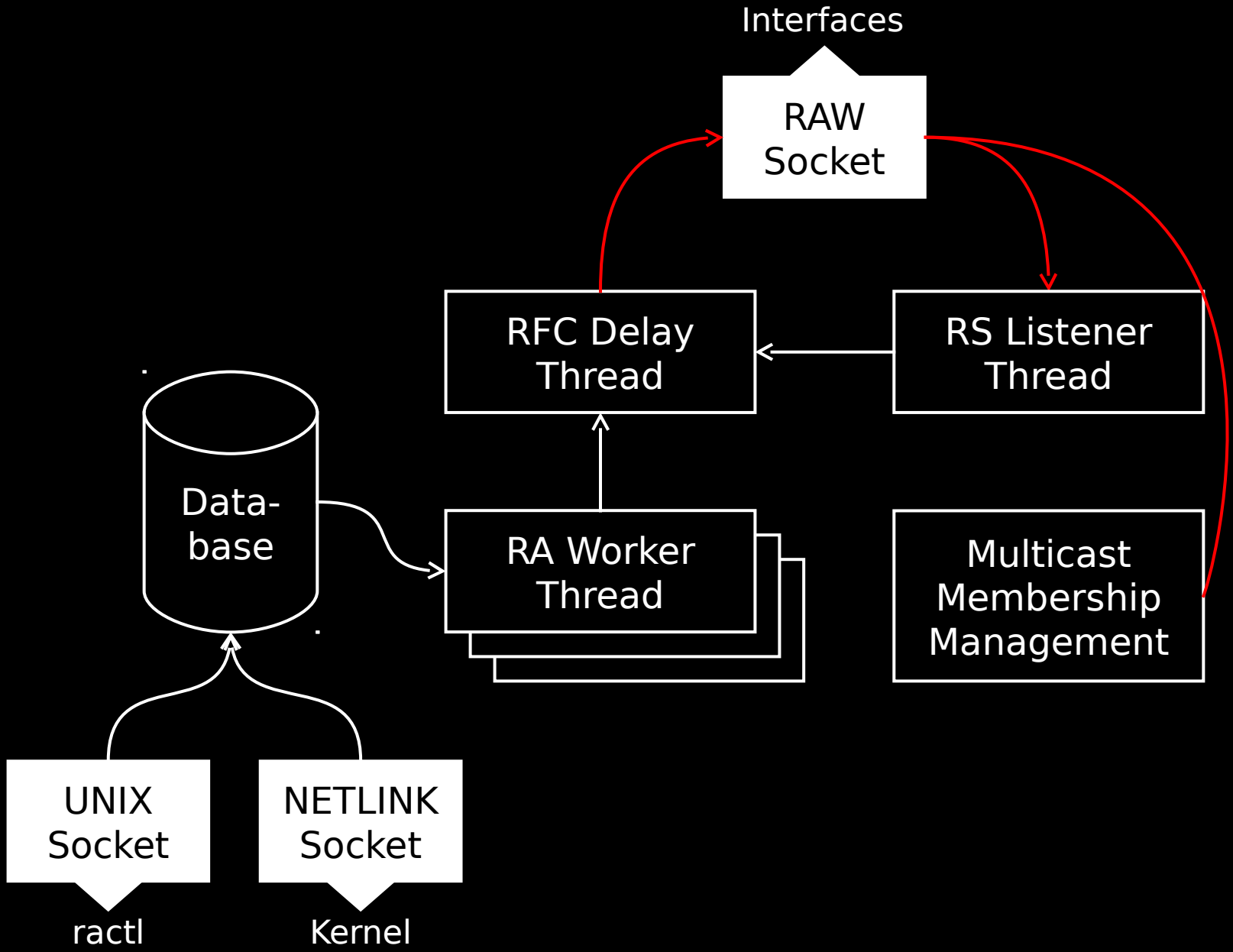
```
    inet6 fe80::20c:29ff:fe28:fd4c/64 scope link  
        valid_lft forever preferred_lft forever
```

In all cases, Router Advertisements sent in response to a Router Solicitation MUST be **delayed by a random time** between 0 and MAX_RA_DELAY_TIME seconds.

(RFC 2461 Section 6.2.6. Processing Router Solicitations)

MAX_RA_DELAY_TIME .5 seconds

(RFC 2461 Section 10. Protocol Constants)



very Link-MTU
such auto-detection

many Source Link-layer Address
such auto-detection

such Prefix Information

so Recursive DNS Servers

much RAW



Showtime!

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<https://github.com/danrl/ratools>