Useful Links

- Redhat's NFTable's documentation: <a href="https://access.redhat.com/documentation/en-us/red_hat_enterprise_linux/8/html/configuring_and_managing_networking/getting-started-with-nftables_configuring-and-managing-networking_started-with-nftables_configuring-and-managing-networking_started-with-nftables_configuring-and-managing-networking_started-with-nftables_configuring-and-managing-networking_started-with-nftables_configuring-and-managing-networking_started-with-nftables_configuring-and-managing-networking_started-with-nftables_configuring-and-managing-networking_started-with-nftables_configuring-and-managing-networking_started-with-nftables_configuring-and-managing-networking_started-with-nftables_configuring-and-managing-networking_started-with-nftables_configuring-and-managing-networking_started-with-nftables_configuring-and-managing-networking_started-with-nftables_configuring-and-managing-networking_started-with-nftables_configuring-and-managing-networking_started-with-nftables_configuring-and-managing_networking_started-with-nftables_configuring-and-managing_networking_started-with-nftables_configuring-and-managing_networking_started-with-nftables_configuring-and-managing_networking_started-with-nftables_configuring_networking_started-with-nftables_configuring_networking_started-with-nftables_configuring_networking_started-with-nftables_configuring_networking_networ
- Quick reference NFTables in 10 minutes: https://wiki.nftables.org/wiki-nftables.org/wiki-nftables/index.php/Quick reference-nftables in 10 minutes
- NFTables types: https://wiki.nftables.org/wiki-nftables/index.php/Data_types
- Golang nflog bindings https://github.com/florianl/go-nflog
- Golang userspace queuing bindings https://github.com/AkihiroSuda/go-netfilter-queue
- Rust nflog bindings https://docs.rs/nflog/latest/nflog/
- Rust userspace queuing bindings https://docs.rs/nfqueue/latest/nfqueue/

```
set imds_authorized { # handle 9
                                                                                       type uid
                                                                                       flags interval
                                                                                      elements = \{ 1001 \}
                                           map named_map { # handle 10
                                                                                      type inet_service : ipv4_addr
elements = { 81 : 192.168.1.102, 8080 : 192.168.1.103 }
                                           map named_vmap { # handle 11
                                                                                       type ipv4_addr : verdict
                                                                                       elements = { 192.168.0.10 : drop, 192.168.0.11 : accept }
                                           set dns_rate_meter { # handle 12
                                                                                       type ipv4_addr
                                                                                      size 64
                                                                                       flags dynamic, timeout
                                           set concat_type { # handle 35
                                                                                      type ipv4_addr . inet_service
size 64
                                                                                      flags dynamic, timeout
                                           chain input { # handle 1
                                                                                       type filter hook input priority filter; policy drop;
iif "enp0s1" counter packets 8606 bytes 4263212 # handle 34
                                                                                     iifname "wlp*" counter packets 0 bytes 0 # handle 33
iif "enp0s1" counter packets 8624 bytes 4265356 # handle 32
udp dport 53 jump incoming_dns # handle 16
meta pkttype multicast log prefix "multicast" group 1 # handle 17
meta pkttype broadcast log prefix "broadcast " log group 1 # handle 18
                                                                                      ip protocol vmap { icmp : jump icmp-chain, tcp : jump tcp-chain, udp : jump udp-chain } # handle 19
ct state established accept # handle 20
                                                                                      ip saddr vmap @named_vmap # handle 21
                                                                                      meta nfproto { ipv4, ipv6 } tcp dport 22 accept # handle 22
                                           chain output { # handle 2
                                                                                      type filter hook output priority filter; policy accept; ip daddr 169.254.0.0/16 meta skuid @imds_authorized log prefix "imds-authorized" group 2 counter packets 0 bytes 0 accept # handle 23 ip daddr 169.254.0.0/16 log prefix "imds-unauthorized" group 3 counter packets 375 bytes 31500 drop # handle 24
                                                                                      tcp dport 80 queue num 2 # handle 40
                                           chain prerouting { # handle 3
                                                                                      type nat hook prerouting priority filter; policy accept;
dnat ip to tcp dport map { 80 : 192.168.1.100, 8888 : 192.168.1.101 } # handle 25
                                           chain postrouting { # handle 4
                                                                                       type nat hook postrouting priority filter; policy accept;
                                                                                      snat ip to tcp dport map @named_map # handle 26
                                           chain icmp-chain { # handle 5
                                                                                       counter packets 0 bytes 0 # handle 27
                                           chain tcp-chain { # handle 6
                                                                                       counter packets 9009 bytes 4285590 # handle 28
                                           chain udp-chain { # handle 7
                                                                                       counter packets 74 bytes 10994 # handle 29
                                           chain incoming_dns { # handle 8
                                                                                       udp dport 53 add @dns_rate_meter { ip saddr timeout 1m } counter packets 0 bytes 0 accept # handle 30
                                                                                      counter packets 0 bytes 0 log prefix "dns-rate-meter-breach" group 4 counter packets 0 bytes 0 drop # handle 31
table inet flow_table { # handle 33
                                            flowtable f t { # handle 6
                                                                                       hook ingress priority filter
                                                                                       devices = { dummy1, dummy0 }
                                           chain forward { # handle 1
                                                                                     type filter hook forward priority filter; policy accept;
ip protocol { tcp, udp } flow add @f_t # handle 7
ip6 nexthdr { tcp, udp } flow add @f_t # handle 8
ct state established, related counter packets 0 bytes 0 return # handle 9
ip protocol { tcp, udp } return # handle 10
ip6 nexthdr { tcp, udp } return # handle 11
```

table inet firewall { # handle 32