

SPAN-RSPAN ACL-mirroring

Eltex 3 :

- 1) SPAN -, / .
- 2) RSPAN -, /, RSPAN vlan tag.
- 3) ACL-mirroring -, , ACL.

SPAN:

```
monitor-session test1
destination interface tengigabitethernet 0/1/2
source interface tengigabitethernet 0/1/3
    vlan 100
    exit
    vlan 101
        direction rx-only
    exit
    vlan 102
        direction tx-only
```

-, , -, , , tengigabitethernet0/1/3.100 (direction both), tengigabitethernet0/1/3.101 (direction rx-only), tengigabitethernet0/1/3.102 (direction tx-only).

RSPAN:

```
monitor-session rspan-test
destination remote
    interface tengigabitethernet 0/1/2
    vlan 2100 <----- vlan-tag,
exit
source interface tengigabitethernet 0/1/3
    vlan 100
    exit
    vlan 101
    exit
    vlan 102
    exit
    vlan 103
    exit
    vlan 104
    exit
    vlan 105
```

, 6 vlan rx-only(ingress) 7 vlan tx-only(egress) SPAN/RSPAN (ME5100 ME5200) (ME5000). vlan-tag.:

```

monitor-session test1
 destination interface tengigabitethernet 0/1/2
 source interface tengigabitethernet 0/1/3
   vlan 100
   exit
   vlan 101
   exit
   vlan 108
   exit

monitor-session test2
 destination remote
   interface tengigabitethernet 0/1/4
   vlan 2100
 exit
 source interface tengigabitethernet 0/1/5
   vlan 101
   exit
   vlan 102
   exit
   vlan 103
   exit
   vlan 104
   exit
   vlan 105
   exit
   vlan 106

```

, test1 source tengigabitethernet 0/1/3 -, test2 source tengigabitethernet 0/1/5 - te0/1/5.102, 103, 104, tag 101 , . - te0/1/5.105 te0/1/5.106 - .

ME CPU, .

tcpdump. Linux , Linux. CPU , , . :

rootshell:
0/FMC0:R17-141_test4# rootshell
Password:<password>
[root@R17-141_test4 (FMC16:0/FMC0) admin]

: def-ns tcpdump -i i< > -w tcpdump.pcap
tcpdump.pcap /- .

:

```

0/FMC0:R17-141_test4# show int tengigabitethernet 0/1/2
Mon Mar 27 10:03:25 2023
Tengigabitethernet0/1/2 is Up
Interface index is 6 <-----

-:

0/FMC0:R17-141_test4# show int tengigabitethernet 0/1/3.100
Mon Mar 27 10:04:22 2023
Tengigabitethernet0/1/3.100 is Up
Interface index is 64 <-----

```

vrf, :

ip netns exec _vrftest tcpdump -i i< > -w tcpdump.pcap. vrftest - vrf

, tftp:: tftp -pl tcpdump.pcap 192.168.16.26

, , "show tech". /var/log:

def-ns tcpdump -i i< > -w /var/log/nfv5.pcap

3.7.0, ACL-mirroring(L3 . L2). ():

```
hw-module enable acl-mirror
```

:

ACL-mirroring:

```
monitor-session 1 <<<< monitor-session , ACL, .
destination interface tengigabitethernet 0/0/15

access-list 1
seq-num 10
monitor-session 1 <<<< ,
protocol tcp <<<< match TCP
exit
seq-num 20
monitor-session 1
tcp-flags +fin <<<< match TCP
exit
seq-num 30
dscp 20 <<<< match DSCP
monitor-session 1
exit
exit

interface tengigabitethernet 0/0/16
access-group ingress 1
description server
ipv4 address 172.20.20.1/24
load-interval 30
exit
```

show access-lists detailed

0/ME5200:R4# show access-lists detailed

Thu Apr 25 11:05:04 2024

HW resources: 3/100 acl entries

Access-list: 1

Configured on interfaces:

te0/0/16, L2: 0, IPv4: 0, IPv6: 0 hits

seq-num 10

action: permit, monitor-session 1

match: proto tcp, tos any, no fragments, flow-label any
tcp-flags any

vid any, pcp any, dei any, ether-type any

source: ipv4 any, ipv6 any, port any, mac any

destination: ipv4 any, ipv6 any, port any, mac any

set: none

total: L2: 0, IPv4: 739, IPv6: 0 hits

seq-num 20

action: permit, monitor-session 1

match: proto tcp, tos any, no fragments, flow-label any
tcp-flags +fin

vid any, pcp any, dei any, ether-type any

source: ipv4 any, ipv6 any, port any, mac any

destination: ipv4 any, ipv6 any, port any, mac any

set: none

total: L2: 0, IPv4: 371, IPv6: 0 hits

seq-num 30

action: permit, monitor-session 1

match: proto any, tos any, dscp 20, no fragments, flow-label any
tcp-flags any

vid any, pcp any, dei any, ether-type any

source: ipv4 any, ipv6 any, port any, mac any

destination: ipv4 any, ipv6 any, port any, mac any

set: none

total: L2: 0, IPv4: 153, IPv6: 0 hits