

# 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 ME5200, ME5210 LC8 LC20. 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