

02. RSPAN

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2.1. RSPAN

RSPAN (Remote Switched Port ANalyzer) - , , . reflector port remote-span VLAN.

Remote-span VLAN, VLAN, . VLAN trunk VLAN. MAC- remote-span VLAN . Remote-span VLAN - remote-span VLAN .

Reflector port . , , Remote-span VLAN Reflector port , - .

2.2. RSPAN

1. VLAN remote VLAN;
2. (CPU) ;
3. ;
4. reflector ;
5. remote VLAN .

1. VLAN remote VLAN:

remote-span	VLAN remote-span VLAN. no .
no remote-span	
! VLAN	

2. (CPU) :

monitor session <session> source {interface <interface-list> cpu } {rx tx both}	CPU <session>. {rx tx both} . no <session>.
no monitor session <session> source {interface <interface-list> cpu}	
!	

3. :

monitor session <session> destination interface <interface-number>	<session>. no <session>.
no monitor session <session> destination interface <interface-number>	
!	

4. reflector :

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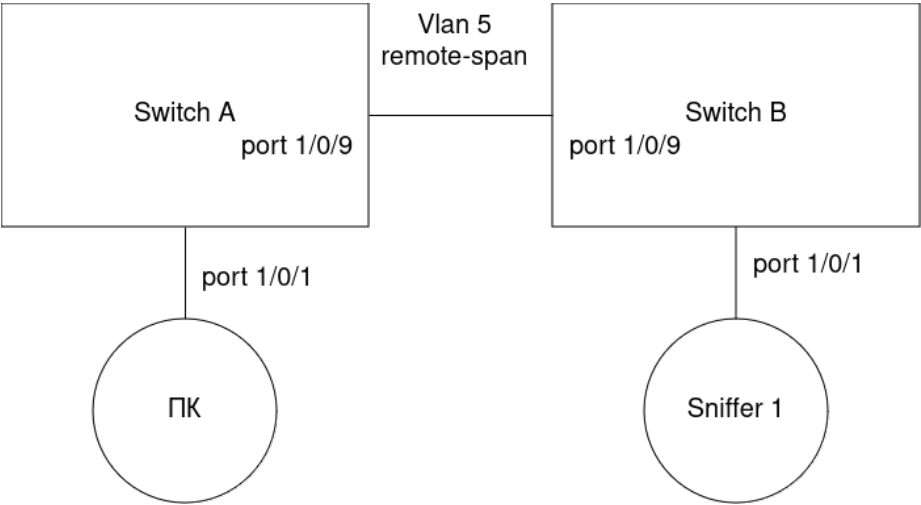
monitor session <session> reflector-port <interface-number>	reflector . no .
no monitor session <session> reflector-port	
!	

5. remote VLAN :

monitor session <session> remote vlan <vlan_id>	<session> remote VLAN <vlan_id>. no .
no monitor session <session> remote vlan	
!	

2.3. RSPAN

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69.1 - RSPAN VLAN

69.1, “Sniffer 1” “Switch B”, - “Switch A”.

Switch A:

```

SwitchA(config)#vlan 5
SwitchA(Config-Vlan5)#remote-span
SwitchA(Config-Vlan5)#exit
SwitchA(config)#interface ethernet 1/0/9
SwitchA(Config-If-Ethernet1/0/9)#switchport mode trunk
SwitchA(Config-If-Ethernet1/0/9)#switchport trunk allowed vlan add 5
SwitchA(Config-If-Ethernet1/0/9)#exit
SwitchA(config)#monitor session 1 source interface ethernet1/0/1
SwitchA(config)#monitor session 1 destination interface ethernet1/0/9
SwitchA(config)#monitor session 1 remote vlan 5
  
```

Switch B:

```
SwitchA(config)#vlan 5
SwitchA(Config-Vlan5)#remote-span
SwitchA(Config-Vlan5)#exit
SwitchA(config)#interface ethernet 1/0/9
SwitchA(Config-If-Ethernet1/0/9)#switchport mode trunk
SwitchA(Config-If-Ethernet1/0/9)#switchport trunk allowed vlan add 5
SwitchA(Config-If-Ethernet1/0/9)#interface ethernet 1/0/1
SwitchA(Config-If-Ethernet1/0/9)#switchport access vlan 5
```

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"Sniffer 1" "Sniffer 2" "Switch A" 1/0/8, 1/0/9 1/0/1 . 1/0/7 . .

Switch A:

```
SwitchA(config)#vlan 5
SwitchA(Config-Vlan5)#remote-span
SwitchA(Config-Vlan5)#exit
SwitchA(config)#interface ethernet 1/0/8-9
SwitchA(Config-If-range)#switchport mode trunk
SwitchA(Config-If-range)#switchport trunk allowed vlan add 5
SwitchA(Config-If-range)#exit
SwitchA(config)#monitor session 1 source interface ethernet1/0/1
SwitchA(config)#monitor session 1 reflector-port interface ethernet 1/0/7
SwitchA(config)#monitor session 1 remote vlan 5
```

2.4. c RSPAN

- remote VLAN multicast VLAN, default VLAN, dynamic VLAN, private VLAN VLAN c L3 ;
- VLAN, , remote VLAN (MAC) ;
- , reflector .