

02. DHCP snooping

- 2.1. DHCP snooping
- 2.2. DHCP snooping
- 2.3. DHCP snooping
- 2.4. DHCP snooping

2.1. DHCP snooping

DHCP snooping DHCP- IP- DHCP DHCP- , . , DHCP- DHCP relay, - DHCP-. DHCP- , DHCP- , DHCP- , : shutdown b
lackhole. DHCP Snooping Binding, IP DHCP , IP- MAC- DHCP-, VLAN . C .

2.2. DHCP snooping

1. DHCP Snooping;
2. DHCP Snooping Binding;
3. DHCP ;
4. ;
5. DHCP Snooping binding ;
6. DHCP Snooping binding ;
7. DHCP- ;
8. DHCP;
9. ;

1. DHCP Snooping

ip dhcp snooping enable	DHCP snooping
no ip dhcp snooping enable	DHCP snooping
!	
ip dhcp snooping vlan <vlan_id>	DHCP snooping VLAN <vlan_id>
no ip dhcp snooping vlan <vlan_id>	DHCP snooping VLAN <vlan_id>
!	

2. DHCP Snooping Binding

ip dhcp snooping binding enable	DHCP snooping binding
no ip dhcp snooping binding enable	DHCP snooping binding
!	

3. DHCP

ip user helper-address A.B.C.D [port <udpport>] source <ipAddr> (secondary)	DHCP
no ip user helper-address (secondary)	DHCP
!	

4.

ip dhcp snooping trust	
no ip dhcp snooping trust	(-)
!	

5. DHCP Snooping binding

ip dhcp snooping binding user-control [vlan] [max-user]	IP-, VLAN VLAN, vlan - VLAN, max-user - . vlan max-user.
no ip dhcp snooping binding user-control [vlan] [max-user]	IP-, VLAN VLAN
!	

6. DHCP Snooping binding

ip dhcp snooping binding user <mac> address <ipAddr> interface (ethernet) <ifname>	DHCP Snooping binding
no ip dhcp snooping binding user <mac> interface (ethernet) <ifname>	DHCP Snooping binding
!	

7. DHCP-

ip dhcp snooping action {shutdown blackhole} [recovery <second>]	DHCP- : shutdown - , blackhole - MAC , DHCP-. recovery - <second>.
no ip dhcp snooping action	DHCP- ()
!	

8. DHCP

ip dhcp snooping limit-rate <pps>	DHCP 0 100 pps.
no ip dhcp snooping limit-rate	DHCP (-)
!	

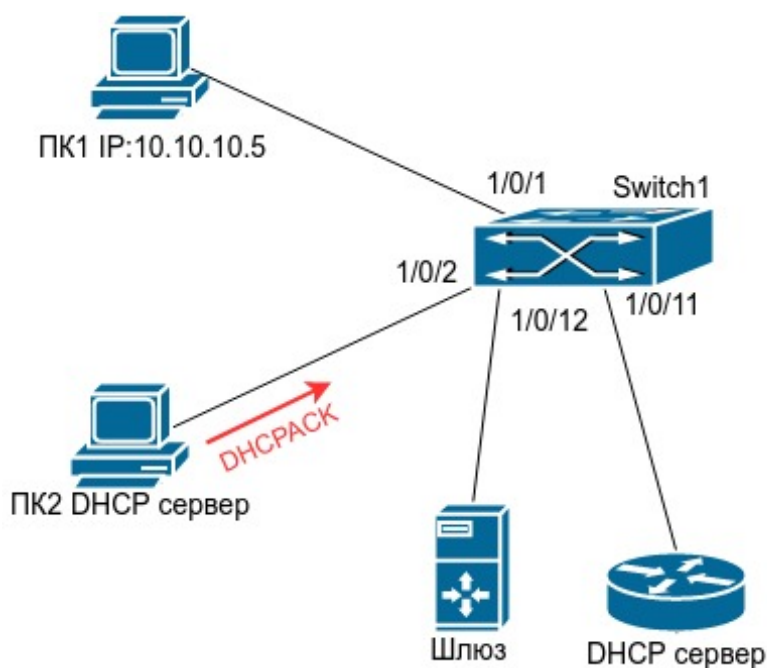
9. DHCP snooping binding

show ip dhcp snooping binding all	DHCP snooping binding
!	

10.

debug ip dhcp snooping packet	
debug ip dhcp snooping event	
debug ip dhcp snooping update	
debug ip dhcp snooping binding	
!	

2.3. DHCP snooping



40.1 - DHCP snooping

40.1, 1 1/0/1 Switch1 DHCP, IP- 10.10.10.5. DHCP- 1/0/11 1/0/12, . 2, 1/0/2 DHCP-, DHCPACK. DHCP snooping .

Switch1:

```
Switch1(config)#ip dhcp snooping enable
Switch1(config)#interface ethernet 1/0/11
Switch1(Config-Ethernet1/0/11)#ip dhcp snooping trust
Switch1(Config-Ethernet1/0/11)#exit
Switch1(config)#interface ethernet 1/0/12
Switch1(Config-Ethernet1/0/12)#ip dhcp snooping trust
Switch1(Config-Ethernet1/0/12)#exit
Switch1(config)#interface ethernet 1/0/1-2
Switch1(Config-Port-Range)#ip dhcp snooping action shutdown
```

2.4. DHCP snooping

- , DHCP-snooping;
- DHCP , , .