

# DHCP Snooping Option 82 SNR

- [DHCP Snooping Option 82](#)
- [DHCP- ISC DHCP](#)

[DHCP Snooping](#) - , DHCP.

DHCP Snooping DHCP- IP- DHCP DHCP- , .

., DHCP- DHCP Relay, - DHCP-. DHCP- , DHCP-. , DHCP- , : shutdown blackhole. DHCP Snooping Binding, IP- DHCP , IP- MAC- DHCP-, VLAN .

DHCP Option 82 - DHCP, DHCP- , DHCP- . IP- .

## DHCP Snooping Option 82

```
ip dhcp snooping enable
ip dhcp snooping binding enable
ip dhcp snooping information enable
ip dhcp snooping information option subscriber-id format hex
ip dhcp snooping vlan <>
```

DHCP- Trust:

```
Interface Ethernet <uplink>
ip dhcp snooping trust
```

user-control , , :

```
Interface Ethernet <customer>
ip dhcp snooping binding user-control
ip dhcp snooping binding user-control max-user 1
```

user-control , :

```
ip dhcp snooping blocked record enable
```

blocked- :

```
show ip dhcp snooping blocked all
```

:

```
switch#sh ip dhcp snooping blocked int e1/0/10
```

| Interface      | Vlan ID | MAC               | IP address  | Date                     |
|----------------|---------|-------------------|-------------|--------------------------|
| Ethernet1/0/10 | 100     | f0-de-f1-19-d5-eb | 192.168.1.2 | Sun Jan 01 00:38:56 2006 |

ip dhcp snooping blocked record count:1

S2995G/S3850G "ip dhcp snooping binding", Flash-. :

```
ip dhcp snooping user-bind autosave <filename.tbl>
ip dhcp snooping user-bind autosave time <1-48>
```

'time', Flash.

## DHCP- ISC DHCP

DHCP- ISC DHCP.

Syslog, -:

```
log-facility local7;  
local-address 172.16.0.10;
```

Option 82 :

```
if exists agent.remote-id {
```

Option 82, Syslog :

```
log ( info, concat(
```

, :

```
    "Switch MAC: ", binary-to-ascii(16, 8, ":", option agent.remote-id),  
    "Switch port: ", binary-to-ascii(10, 8, ".", option agent.circuit-id)  
));  
}
```

:

```
class "sw01-p01" {  
    match if
```

6 agent.remote-id, 8-, 16- . «:» MAC- agent.remote-id :

```
binary-to-ascii(  
    16, 8, ":", suffix(option agent.remote-id ,6)  
)="f8:f0:82:75:cd:41" and
```

agent.circuit-id :

```
binary-to-ascii(  
    10, 8,"", suffix(option agent.circuit-id, 1)  
) = "1";  
}  
subnet 172.16.0.0 netmask 255.255.255.0 {  
    option routers 172.16.0.1;  
    option subnet-mask 255.255.255.0;  
    authoritative;
```

IP- :

```
pool {  
    range 172.16.0.121;  
    allow members of "sw01-p01";  
}  
}
```