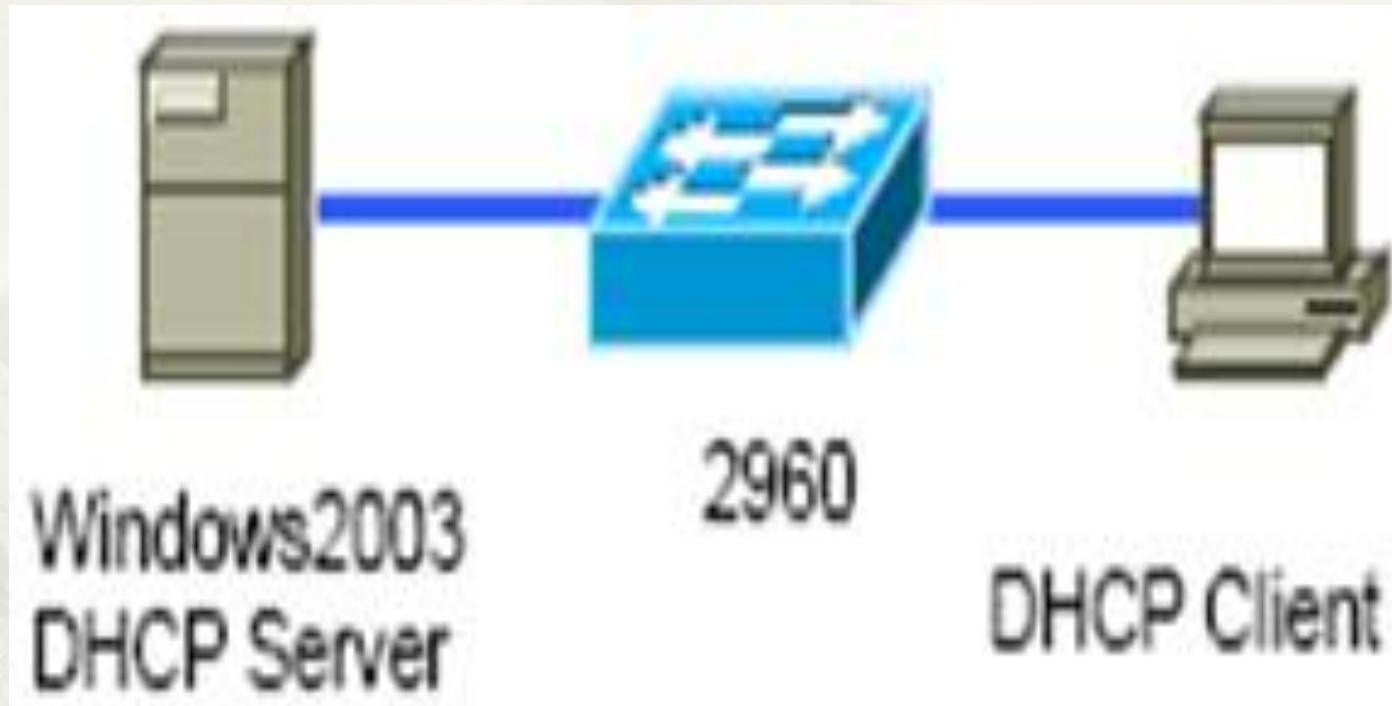


How to Configure DHCP Snooping for Cisco Switch

http://www.router-switch.com/Price-cisco-switches_c2

Why need to configure DHCP Snooping

- β In computer networking DHCP snooping allows you to create a white-list of interfaces for which trusted DHCP servers are connected. All dhcp specific traffic which passes through "untrusted" interfaces will be dropped. This will help you easy configure DHCP snooping for Cisco Catalyst switch easy.
- β When DHCP servers are allocating IP addresses to the clients on the LAN, DHCP snooping can be configured on LAN switches to harden the security on the LAN to allow only clients with specific IP/MAC addresses to have ac



Configurations for Switch

- ⌘ Switch > en
- ⌘ Switch #conf t
- ⌘ Switch (config)#no ip domain look
- ⌘ Switch (config)#user cisco pr 15 pass ccie
- ⌘ Switch (config)#ho SW1
- ⌘ SW1(config)#line con 0
- ⌘ SW1(config-line)#exec-tim 0 0
- ⌘ SW1(config-line)#logg syn
- ⌘ SW1(config-line)#exit
- ⌘ SW1(config)#line vty 0 4

- ⌘ SW1(config-line)#logg syn
- ⌘ SW1(config-line)#login loc
- ⌘ SW1(config-line)#exec-tim 30 0
- ⌘ SW1(config-line)#exit
- ⌘ SW1(config)#vlan 20
- ⌘ SW1(config-vlan)#exit
- ⌘ SW1(config)#ip dhcp snooping vlan 10,
- ⌘ SW1(config)#ip dhcp snooping

```
⌘ SW1(config)#interface fastEthernet 0/1
⌘ SW1(config-if)#description Connect to Win2003 DHCP
⌘ SW1(config-if)#switchport access vlan 10
⌘ SW1(config-if)#switchport mode access
⌘ SW1(config-if)#spanning-tree portfast
⌘ SW1(config-if)#ip dhcp snooping trust
⌘ SW1(config-if)#interface FastEthernet0/2
⌘ SW1(config-if)#description : Connect to DHCP Client
⌘ SW1(config-if)#switchport access vlan 10
⌘ SW1(config-if)#switchport mode access
⌘ SW1(config-if)#spanning-tree portfast
⌘ SW1(config-if)#ip dhcp snooping limit rate 15

⌘ SW1(config-if)#end

⌘ SW1#wr
```

- β It can applied to all [Cisco Catalyst switches](#) or, such as [Cisco 2960 switches](#), Cisco Catalyst 3750 switches, Cisco 3850 switches, etc.

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