

Re: Server 2003 packets through different network interface

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.networking/2006-01/msg00617.html>

- *From:* "Rajesh Gupta" <rajesh.gupta@xxxxxxxxxxx>
 - *Date:* Wed, 25 Jan 2006 07:28:53 -0800
-

Thanks a lot for your reply

My switch is configured to understand VLAN 1 and VLAN 2, they route all the packets perfectly. Switch accept tagged packets and route all the packet correctly. So i have created two different VLANs using the switch. They are different networks.

But this is on the host.. why windows will route the packets through 10.1.70.39 interface with source IP 10.1.70.39?

Thanks

"Neteng" <neteng.ccie@xxxxxxxxxxx> wrote in message

news:%23u9vKdbIGHA.984@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

> VLAN 1 & 2 are the same network (10.1.70.0/24), that's a problem. What

> does

> your switch think vlan 1 & 2 are?

>

> "Rajesh Gupta" <rajesh.gupta@xxxxxxxxxxx> wrote in message

> news:%23oidWzUIGHA.524@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

>> All,

>>

>> I saw some strange behavior on my Windows Server 2003. My configuration

>> is

>> as follows:

>>

>> Windows server 2003.

>> Dual Intel Gige NIC controller (Both are teamed (LACP 802.3ad) together)

>> I have created 3 Virtual Interface (VLANs) on the network controller.

>> VLAN 1, ID 1 IP address=10.1.70.39

>> VLAN 2, ID 2 IP address=10.1.70.38

>> VLAN 3, ID 3 IP address=169.254.255.255

>> All are on the same subnet. 255:255:255:0

>>

>> I want all my data to go through VLAN 1, so i have updated the Route

> table.

Re: Server 2003 packets through different network interface

>> In the route table i have two entries
>>
>> Active Routes:
>> Network Destination Netmask Gateway Interface
>> Metric
>> 10.1.70.0 255.255.255.0 10.1.70.39
>> 10.1.70.39 1
>> 10.1.70.0 255.255.255.0 10.1.70.38
>> 10.1.70.38 10
>>
>> As i have lowered the METRIC of the first route, Windows server 2003 will
>> use that interface to route all the packets and that interface is for
>> VLAN
>> 1.
>>
>> Everything works fine. But when i ran Ethereal on VLAN 1, i saw some
> packets
>> with With
>> Source IP = 10.1.70.38... Though this interface has IP address
> 10.1.70.39..
>> but packets originating from Server 2003 with Src IP 10.1.70.38 on
>> 10.1.70.39 interface?
>>
>> So i am not sure how Windows can transfer packets on VLAN 1 (10.1.70.39)
>> with Source IP address of VLAN 2 (10.1.70.38)?
>>
>> Route is calculated on the Destination Address and route selected by
> Windows
>> is correct. It shall route all the packets using 10.1.70.39 route. But
>> inside the packets it had 10.1.70.38 as source address.
>>
>> If Application is binding to 10.1.70.38, then why i am seeing these
> packets
>> on this interface? They should be routed through 10.1.70.38 (VLAN 2)
> route.
>>
>> So i am not sure what is happening here? any help will be appreciated.
>>
>> Does applications cache the Bind IP address, but i guess its beyond
>> Applications control and even if they bind they shall go through
> 10.1.70.38
>> interface
>> Thanks Rajesh
>>
>>
>
>

- **References:**

- ◆ **Server 2003 packets through different network interface**

- ◇ From: Rajesh Gupta

- ◆ **Re: Server 2003 packets through different network interface**

- ◇ From: Neteng

- Prev by Date: **wireless GPO and networking**

- Next by Date: **Re: firewall config problems with box having multiple ip addresses**

- Previous by thread: **Re: Server 2003 packets through different network interface**

- Next by thread: **DNS Forwarding Failing**

- Index(es):

- ◆ **Date**

- ◆ **Thread**