

Re: New NICs and routing issues

Source:

http://www.tech-archive.net/Archive/Win2000/microsoft.public.win2000.ras_routing/2005-08/msg00013.html

- *From:* TK <tim@xxxxx>
 - *Date:* Tue, 02 Aug 2005 13:34:43 -0500
-

Here in the ipconfig /all:

Windows IP Configuration

```
Host Name . . . . . : oncilla

Primary Dns Suffix . . . . . : mennies.com

Node Type . . . . . : Broadcast

IP Routing Enabled. . . . . : Yes

WINS Proxy Enabled. . . . . : Yes

DNS Suffix Search List. . . . . : mennies.com
```

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Ethernet adapter 10.1:

Connection-specific DNS Suffix . . :

Description : Kingston EtherX KNE100TX PCI Fast
Ethernet Adapter (21143-PD)

Physical Address. : 00-C0-F0-6B-96-F6

DHCP Enabled. : No

IP Address. : 192.168.10.1

Subnet Mask : 255.255.255.0

Default Gateway :

DNS Servers : 192.168.10.7

192.168.10.2

Ethernet adapter 65.39.168.135 new:

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Connection-specific DNS Suffix . . :

Description : Kingston EtherX KNE100TX PCI Fast Ethernet Adapter (21143-PD) #5

Physical Address. : 00-C0-F0-6B-BF-0B

DHCP Enabled. : No

IP Address. : 67.39.168.135

Subnet Mask : 255.255.255.192

Default Gateway : 67.39.168.129

DNS Servers : 65.169.138.9

65.169.138.11

Ethernet adapter 12.1:

Connection-specific DNS Suffix . . :

Description : Kingston EtherX KNE100TX PCI Fast

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Ethernet Adapter (21143-PD) #2

Physical Address : 00-C0-F0-6B-97-4C

DHCP Enabled : No

IP Address : 192.168.12.1

Subnet Mask : 255.255.255.0

Default Gateway :

DNS Servers : 192.168.12.7

192.168.12.2

Ethernet adapter 20.1 New:

Connection-specific DNS Suffix . :

Description : Intel(R) PRO/100 VE Network
Connection

Physical Address : 00-07-E9-DD-70-C1

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DHCP Enabled. : No

IP Address. : 192.168.20.222

Subnet Mask : 255.255.255.0

Default Gateway :

DNS Servers : 192.168.12.7

192.168.12.2

Robert L [MS-MVP] wrote:

the routing table doesn't make sense or doesn't work the way you want to. Did you point all NICs to 67.39.168.135? we need one more information, ipconfig /all.

Bob Lin, MS-MVP, MCSE & CNE
How to Setup Windows, Network, VPN & Remote Access on
<http://www.HowToNetworking.com>
Networking, Internet, Routing, VPN Troubleshooting on
<http://www.ChicagoTech.net>

"TK" <tim@xxxxx <<mailto:tim@xxxxx>>> wrote in message
<news:uOUE193kFHA.2920@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>

TK wrote:

> I had to replace a couple of NICs in my server and now it doesn't appear
> to route between them. I did not uninstall the nics before replacing
> them (I am not sure if this makes a difference, I hope not). The new
> cards have the same IP info as the old, so I am not sure why the routing
> doesn't work. If more info is needed, let me know.
>
> Thanks.

Here is the routing table. The problem is that a user (on the 20 network) uses this router to route to the machine with the IP

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address of
67.39.168.135. I can ping this address from the router OK, but I
cannot
ping that address from the users PC.

IPv4 Route Table

Interface List

```
0x1 ..... MS TCP Loopback interface
0x10003 ...00 c0 f0 6b 96 f6 ..... Kingston EtherX KNE100TX
PCI Fast
Ethernet Adapter (21143-PD)
0x10004 ...00 c0 f0 6b bf 0b ..... Kingston EtherX KNE100TX
PCI Fast
Ethernet Adapter (21143-PD) #5
0x10005 ...00 c0 f0 6b 97 4c ..... Kingston EtherX KNE100TX
PCI Fast
Ethernet Adapter (21143-PD) #2
0x10006 ...00 07 e9 dd 70 c1 ..... Intel(R) PRO/100 VE
```

Network Connection

Active Routes:

```
Network Destination Netmask Gateway Interface Metric
0.0.0.0 0.0.0.0 67.39.168.129 67.39.168.135 20
67.39.168.128 255.255.255.192 67.39.168.135 67.39.168.135 20
67.39.168.135 255.255.255.255 127.0.0.1 127.0.0.1 20
67.255.255.255 255.255.255.255 67.39.168.135 67.39.168.135 20
127.0.0.0 255.0.0.0 127.0.0.1 127.0.0.1 1
192.168.0.0 255.255.0.0 192.168.12.12 192.168.12.1 1
192.168.10.0 255.255.255.0 192.168.10.1 192.168.10.1 30
192.168.10.1 255.255.255.255 127.0.0.1 127.0.0.1 30
192.168.10.255 255.255.255.255 192.168.10.1 192.168.10.1 30
192.168.12.0 255.255.255.0 192.168.12.1 192.168.12.1 20
192.168.12.1 255.255.255.255 127.0.0.1 127.0.0.1 20
192.168.12.255 255.255.255.255 192.168.12.1 192.168.12.1 20
192.168.20.0 255.255.255.0 192.168.20.1 192.168.20.1 20
192.168.20.1 255.255.255.255 127.0.0.1 127.0.0.1 20
192.168.20.255 255.255.255.255 192.168.20.1 192.168.20.1 20
224.0.0.0 240.0.0.0 67.39.168.135 67.39.168.135 20
224.0.0.0 240.0.0.0 192.168.10.1 192.168.10.1 30
224.0.0.0 240.0.0.0 192.168.12.1 192.168.12.1 20
224.0.0.0 240.0.0.0 192.168.20.1 192.168.20.1 20
255.255.255.255 255.255.255.255 67.39.168.135 67.39.168.135 1
255.255.255.255 255.255.255.255 192.168.10.1 192.168.10.1 1
255.255.255.255 255.255.255.255 192.168.12.1 192.168.12.1 1
255.255.255.255 255.255.255.255 192.168.20.1 192.168.20.1 1
Default Gateway: 67.39.168.129
```

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=====
Persistent Routes:
None