

## Re: DHCP Inside / Outside

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<http://www.tech-archive.net/Archive/Win2000/microsoft.public.win2000.networking/2006-04/msg00256.html>

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- *From:* "Herb Martin" <[news@xxxxxxxxxxxxxxxx](mailto:news@xxxxxxxxxxxxxxxx)>
  - *Date:* Wed, 26 Apr 2006 21:16:29 -0500
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"Scott Ford" <[removethis.scott@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:removethis.scott@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message [news:607D86DA-AB4E-4C5D-A75F-69C894D7F077@xxxxxxxxxxxxxxxx](mailto:news:607D86DA-AB4E-4C5D-A75F-69C894D7F077@xxxxxxxxxxxxxxxx)

Thanks for the reply Herb. I do not have a DHCP relay installed in the ISA config. I do have Routing and Remote access enabled and a VPN client can get an IP address in teh 10.0.x.x range.

Relay Agent is an element (only one of many) of RRAS.

RRAS and ISA are antagonistic to each other in many ways and having them both enabled MAY (not always, depends on the specific features) cause interference which includes strange behavior.

Could this be allowing ISA to broadcast DHCP requests back to the external interface? I have a friend who feels like it could, so during the night i will try shutting down R&RA to see if an internal client can still get an external address. I cant find anything else on the ISA server that could be broadcasting bridged DHCP requests.

I personally have a love/hate relationship with ISA, otherwise I would probably be an ISA MVP too.

ISA is a fantastic product in theory, but has shown too many inconsistencies and strange dependencies to make me comfortable -- I do run it on some machines but have a lot of trouble recommending it wholeheartedly and find it problematic to troubleshoot due to it's erractice and unpredicable behavior at times.

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Re: DHCP Inside / Outside

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"Herb Martin" wrote:

"Scott Ford" <removethis.scott@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
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I have a Windows 2K ISA server as a gateway. Its set up standard with an inside and an outside NIC. Inside is on 10.0.x.x range. Outside NIC IP range is 192.168.1.x. I want to put a wireless access point on the outside range and have my router serving DHCP to 192.168.1.x ... I would like this to NOT interfere with the DHCP server I have on the inside range that is serving DHCP to 10.0.x.x ... I have tried this a couple times, but always find clients on the inside still receive IP addresses in the 192 range.

That should never happen in DHCP (it could be some weird issue with ISA but I doubt it; you can ask about that on the ISA newsgroup.)

A DHCP server should ONLY hand out IP addresses for the scope(s) which match it's NICs (if directly connected to the requesting clients) AND to the scopes which match remote subnets if forwarded by a DHCP relay or Bootp forwarder.

There is no reason a basic DHCP server would ever hand out 192.x scope addresses on it's 10.net NIC or vice versa.

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I have  
tried blocking UDP ports 67 and 68 at the ISA server, but it  
isnt  
stopping  
the problem. Whats the best solution for this?

Make sure the ISA is not acting as a DHCP relay or  
BootP forwarder but it should NOT be doing that  
as a DHCP server cannot also be a forwarder (in the  
docs that I have read, but of course I have never  
tried it since it makes no sense.)

Does ISA think that 192.168 machines are INTERNAL or  
EXTERNAL? (As described it sounds like they should  
NOT be internally defined.)

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