

# Re: resolv.conf wrongly gets Belkin router's address

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Debian/2007-06/msg02806.html>

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- *From:* [bob@xxxxxxxxxx](mailto:bob@xxxxxxxxxx) (Bob Proulx)
  - *Date:* Sat, 30 Jun 2007 12:08:48 -0600
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Kent West wrote:

I replaced a dead router the other day with a new Belkin F5D7230-4 wireless/4-port unit.

First let me say that I am not familiar with that particular piece of hardware.

When networking starts on my Etch box, /etc/resolv.conf gets rewritten like so:

```
search hydroplatenet
nameserver 192.168.2.1
nameserver 208.180.42.68
nameserver 208.180.42.100
```

I assume this interface is configured using DHCP? Are you using 'resolvconf'? What is in your /etc/network/interfaces file for that interface?

Web browsing (and other name-dependent Intarweb Pipes stuff) is very slow with these settings, but if I comment/remove the first nameserver line, which is the address of the Belkin router, things are fine.

Some routers proxy DNS information through themselves. On the boxes I have seen that do this it is configurable and can be turned off. It appears to me from reading your report that the Belkin box has offered its own address as a DNS server in addition to some upstream DNS server.

Inspect the Belkin client DNS configuration and see if that address has been added to the configuration or if there is a way to remove that configuration. On consumer routers I have worked with it has

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always been possible to specially add in a set of DNS addresses to provide to DHCP clients, by default empty. Hopefully in your case these can be removed specifically. Although it is a terrible thing that it came out-of-the-box with a bad configuration.

I found a couple of other people with similar problems (<http://ubuntuforums.org/showthread.php?t=297834> and <http://www.mepis.org/node/3221>), one of which provided the kludgy fix of pre-pending the good addresses via /etc/dhcp3/dhclient.conf to force duplicates of the good address to the top of the file, but that's just ugly.

And you could also completely override the dns addresses provided by dhcp or you could move to static addresses. In both cases you are not getting good use out of the box.

I've sent this problem to Belkin, and their tech support responded that "The Belkin Router only provides a Gateway address but is not a DNS server"

Then why did it offer itself as one through DHCP? That could be a confirmation of a bug.

<http://www.belkin.com/contact/milan/default1.aspx?id=5B5B5956095F560D0D5C5F0E5B0A5D56305F5E>.

Note: That web url has expired.

They indicated that I should call them on the phone (I hate dealing with stuff over the phone...), but I wanted to get all my ducks in a row before I do so.

If they hear Debian GNU/Linux they will probably drop your support call immediately too. Sigh. It would be useful to crosscheck this with tests from other operating system clients. If they all behave the same then you have confirmation. If they behave different then that is also useful information.

Is Debian somehow responsible for incorrectly seeing this "Gateway address" as a name server address (and if so, how do I fix it), or is the Belkin tech supporter incorrect about his product (or some other option)?

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When you say Debian here you really should say dhcp3 client or pump or other specific dhcp client that you have installed. If you don't know then you are probably using dhcp3. Debian just bundles it up for you.

I believe that the Belkin DHCP server is offering itself as a DNS server inappropriately. Yours is not the only report of the problem. It may be possible correct the bad configuration by explicit configuration of the box to avoid this.

Commodity routers such as those are inexpensive. Return yours and buy a different brand that works correctly and avoid the problem.

Bob

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