

Re: Interface address sourced packets go thru default gateway on another interface

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- *From:* Dima Dorfman <dd@xxxxxxxxxxx>
 - *Date:* Fri, 16 Nov 2007 00:14:29 +0000
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Brian Hawk <brian@xxxxxxxxxxx> wrote:

since it shouldn't really happen and it used not to happen.
Everything was working fine until I don't know when and why, now I cannot send any packets out thru my xl1 interface by binding its source address to the packets.

I don't think it ever worked the way you described. The source IP address doesn't usually affect how replies will be routed on the way out.

You can fix this with policy routing rules. Here's an example with PF:

```
: pass out quick route-to ($other_if $other_gw) from ($other_if)
```

\$other_if is the name of the interface and \$other_gw is the name of the gateway through that interface. You need to do this for every interface other than the one used by the default gateway. The rule says: If the packet is coming from an IP address assigned to \$other_if, then send it through \$other_gw. If you use stateful inspection, you need corresponding reply-to rules in the other direction:

```
: pass in quick reply-to ($other_if $other_gw) inet proto tcp to ($other_if) port ssh keep state
```

This idiom is useful on systems with multiple independent Internet connections. With these rules, failure of the primary connection will not prevent full connectivity through the secondary.

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Dima

freebsd-net@xxxxxxxxxxx mailing list

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