
Subject: Re: [PATCH 3/7 net-2.6.25] [IPV4]: Prohibit assignment of 0.0.0.0 as interface address.

Posted by [Daniel Lezcano](#) on Fri, 25 Jan 2008 14:37:53 GMT

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Denis V. Lunev wrote:

> Daniel Lezcano wrote:

>> Denis V. Lunev wrote:

>>> I could hardly imagine why somebody needs to assign 0.0.0.0 as an

>>> interface

>>> address or interface destination address. The kernel will behave in a

>>> strange

>>> way in several places if this is possible, as ifa_local != 0 is

>>> considered

>>> as initialized/non-initialized state of the ifa.

>> AFAICS, we should be able to set an interface address to 0.0.0.0, in

>> order to remove an IP address from an interface and keep this one up.

>> I see two trivial cases:

>> * remove the ipv4 on an interface but continue to use it through ipv6

>> * move ipv4 address from the interface to an attached bridge

>

> For this case there is an IOCTL/netlink "remove IP address".

That's right. But there are people relying on 0.0.0.0 to remove IP addresses, especially in the bridge scripts.
