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Subject: sysctl.conf ip\_forward = 1 changes after reboot

Posted by [penguin](#) on Thu, 16 Aug 2007 03:06:29 GMT

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I have set net.ipv4.ip\_forward = 1 in my sysctl.conf file. After a reboot it changes back to 0.

I then need to run; echo 1 > /proc/sys/net/ipv4/ip\_forward, to set it back to 1.

Any ideas what can be done to make the change permanent? I'm running CentOS 5 with APF firewall front for iptables.

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Subject: Re: sysctl.conf ip\_forward = 1 changes after reboot

Posted by [khorenko](#) on Thu, 16 Aug 2007 07:07:54 GMT

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1) the straightforward and dull way is to put a command "echo 1 > /proc/sys/net/ipv4/ip\_forward" into rc.local.

2) of course way 1 is bad. Let's try to understand what drops ip\_forward to 0 in your system? Could you please post the complete /etc/sysctl.conf and /etc/sysconfig/network ? Could you grep /etc directory for "ip\_forward"? Which scripts change this parameter and under what conditions?

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Subject: Re: sysctl.conf ip\_forward = 1 changes after reboot

Posted by [khorenko](#) on Thu, 16 Aug 2007 09:14:34 GMT

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In particular we suspect APF because its scripts do change ip\_forward under some conditions.

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Subject: Re: sysctl.conf ip\_forward = 1 changes after reboot

Posted by [kir](#) on Thu, 16 Aug 2007 10:49:19 GMT

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penguin wrote on Thu, 16 August 2007 07:06Any ideas what can be done to make the change permanent? I'm running CentOS 5 with APF firewall front for iptables.

It looks like your APF firewall is changing that. There is something in sysctl.rules that sets that to either 1 or 0 -- please check that file or APF docs about how to fix that for you.

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Subject: Re: sysctl.conf ip\_forward = 1 changes after reboot

Posted by [penguin](#) on Thu, 16 Aug 2007 15:21:03 GMT

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Thanks for the help guys. It did turn out to be the SYSCTL\_ROUTE setting within the APF config.

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Subject: Re: sysctl.conf ip\_forward = 1 changes after reboot

Posted by [nach](#) on Fri, 17 Aug 2007 23:34:48 GMT

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Can you tell me what you changed in APF to make it work? I've be wrapping my head around this for days. Just edit SYSCTL\_ROUTE to 0?

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