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.

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?

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.

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.

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.

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?