Subject: Ip_conntrack_max is a unknown key
Posted by ittec on Mon, 23 Mar 2009 09:24:59 GMT
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Hi all

Im a very confused about Conntrack and TCP performance. Was one of the little issues that I noticed when we start to use OpenVZ. I don't know really if was a problem of OpenVZ or problem of Linux itself, anyway, I could resolve with success, editing values of conntrack in sysctl.conf and then applying changes:

net.ipv4.netfilter.ip_conntrack_max = 65536

We have 5 servers running under OpenVZ and kernel version is 2.6.18-92.1.13.el5.028stab059.3PAE. But recently we tried another version and now, when I try to edit sysctl.conf and apply the changes, kernel returns

error: "net.ipv4.ip_conntrack_max" is an unknown key

I checked proc subsystem and I didn't find the "file"

[root@hn19 ~]# ls -ls /proc/sys/net/ipv4/ |grep conn
[root@hn19 ~]#

I'll like to understand more this issue, because I really don't know what is the main question here, why we have troubles in past in conntrack and if is a persistent problem on TCP linux performance.

I'll keep find a solution for this but if someone is so kind to explain a little the main problem will be very helpful to us.

Thanks.

Subject: Re: Ip_conntrack_max is a unknown key
Posted by kir on Mon, 23 Mar 2009 12:05:54 GMT
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Are ip_conntrack and xt_conntrack kernel modules loaded?

Subject: Re: Ip_conntrack_max is a unknown key
Posted by ittec on Mon, 23 Mar 2009 14:31:35 GMT
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Quote:Are ip_conntrack and xt_conntrack kernel modules loaded?

Mmm, I think so:

```
[root@k13 ~]# lsmod |grep conn
ip_conntrack          101012  11 vzrst,ip_nat,vzcpt,xt_state
nfnetlink              40392  2 ip_nat,ip_conntrack
```

Is ok?

Thanks!

Subject: Re: Ip_conntrack_max is a unknown key
Posted by kir on Mon, 23 Mar 2009 14:56:51 GMT
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Allright so what's that «another version» you referred to in your first message?

Subject: Re: Ip_conntrack_max is a unknown key
Posted by ittec on Mon, 23 Mar 2009 15:16:00 GMT
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Thanks Kiri

so I understand that the modules needed are correctly loaded,right? The "version" of kernel is 2.6.18-028stab060.8.

Subject: Re: Ip_conntrack_max is a unknown key
Posted by kir on Mon, 23 Mar 2009 15:20:32 GMT
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ittec wrote on Mon, 23 March 2009 18:16The "version" of kernel is 2.6.18-028stab060.8.

A kernel with such version was never released by OpenVZ... Where'd you get it?

Subject: Re: Ip_conntrack_max is a unknown key
Posted by ittec on Mon, 06 Apr 2009 10:03:00 GMT
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mmm

you were right. Was no a problem with OpenVZ kernel but a Virtuozzo VZ kernel. Excuse me

Let me ask to you a question relationship with this. In OpenVZ I had some little issues with TCP

performance related with conntrack. I solved that editing sysctl.conf and increasing ip_conntrack_max value and applying changes. OpenVZ kernel was 32 bits operating system. So the issue was resolved on Hardware Node level.

It is possible that a problem of conntrack will be only a VE level? And maybe it is related with the issue well-known of "low memory"?

Sorry but, I never understand good this problem.

Thanks!
