Subject: Random Network Slowness
Posted by cbschuld on Wed, 06 Oct 2010 21:08:26 GMT
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Hello All:

I have a physical HN with four bonded NICs bonded using mode balance-alb

I am using venet and have a single venet0 instance

I have four CTs running on this single HN. The HN is a Dell PowerEdge R610 and the CTs are under low stress.

Everything works great; however, I am experiencing random timeouts from different services such as CT1 has MySQL on it and CT2 is connecting to it. Occasionally I will get a timeout on CT1 from CT2.

After studying this for some time I realized that from CT1 if I ping CT2 using CT2's IP address I see something like this

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.
64 bytes from 10.0.0.13: icmp_seq=171 ttl=63 time=0.138 ms
64 bytes from 10.0.0.13: icmp_seq=172 ttl=63 time=0.194 ms
64 bytes from 10.0.0.13: icmp_seq=173 ttl=63 time=0.143 ms
64 bytes from 10.0.0.13: icmp_seq=174 ttl=63 time=0.148 ms
64 bytes from 10.0.0.13: icmp_seq=175 ttl=63 time=0.205 ms
64 bytes from 10.0.0.13: icmp_seq=176 ttl=63 time=0.203 ms
64 bytes from 10.0.0.13: icmp_seq=177 ttl=63 time=0.194 ms
64 bytes from 10.0.0.13: icmp_seq=178 ttl=63 time=0.170 ms
64 bytes from 10.0.0.13: icmp_seq=180 ttl=63 time=0.194 ms
64 bytes from 10.0.0.13: icmp_seq=181 ttl=63 time=0.191 ms
64 bytes from 10.0.0.13: icmp_seq=182 ttl=63 time=0.212 ms
64 bytes from 10.0.0.13: icmp_seq=183 ttl=63 time=500 ms
64 bytes from 10.0.0.13: icmp_seq=184 ttl=63 time=0.172 ms
64 bytes from 10.0.0.13: icmp_seq=185 ttl=63 time=0.126 ms
64 bytes from 10.0.0.13: icmp_seq=186 ttl=63 time=0.145 ms
.
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The ping/connectivity/response is fine but about every 30s - 60s I see one ICMP packet have a HUGE delay on it. This is VERY similar to what my applications are experiencing as well --> works fine, works fine, works fine, TIMEOUT, works fine, works fine, works fine, etc...

Additionally, this is ONLY relative to the machines using the venet0 interface. If I use an external machine to the HN and ping or use any of the services that are on the machines hooked to the venet0 I receive no timeouts. Everything works great. It is only if one venet0 connected CT connects to another venet0 connected CT. Furthermore, I have several of these HNs and it also effects any CT on any of those machines. So this occurs if any venet0 mounted CT attempts to use services/ping from another CT.

Has anyone experienced this or have any ideas?

Thanks, Chris

Subject: Re: Random Network Slowness
Posted by cbschuld on Fri, 08 Oct 2010 07:06:32 GMT
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All:

I removed the bond0 virtual device and the bonding of the NIC controllers and all of the issues are gone. Thus it had something to do with the bonding.

Still hoping to uncover why and will update if I find out any additional information.

Thanks,
Chris
