链滴

Use Iperf to test nertwork performance

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来源网站：链滴

许可协议：署名-相同方式共享 4.0 国际 (CC BY-SA 4.0)

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<p>This week, i add a VPN and Aryaka Dedicated network from US AWS VPC to CN A
S VPC. In order to compare these two type of net work, i use find iperf can be a good hand.<
p>
<p>iperf is open source:https://iperf.fr/iperf-download.php#source</p>
<p> </p>
<ul>
<li>Download iperf</li>
</ul>
<p>I install iperf3 on CentOS, if you are on another platform, check  https://iperf.fr/ipe
f-download.php and find your version.</p>
<p><span>#rpm -ivh https://iperf.fr/download/fedora/iperf3-3.1.3-1.fc24.x86_64.rpm</spa
></p>
<p><span> </span></p>
<p><span>We need to set one site as server and the other site as cilent.</span></p>
<ul>
<li>start iperf on server</li>
</ul>
<p>#iperf3 -s</p>
<p>shows:</p>
<p><span>-----------------------------------------------------------</span></p>
<p><span>Server listening on 5201</span></p>
<p><span>-----------------------------------------------------------</span></p>
<p><span>if you want change the port 8888 and use it as a service</span></p>
<p>#iperf3 -s -D -p 8888</p>
<p> </p>
<ul>
<li>start the client</li>
</ul>
<p>#iperf3 -c ip.of.your.server</p>
<p>or</p>
<p>#iperf3 -c ip.of.your.server -p 8888 -d</p>
<p> </p>
<p> </p>
<p> </p>
<p>The test result shows:</p>
<div> </div>
<div><strong>open VPN</strong></div>
<div>Retry=75% time=348ms</div>
<div> </div>
<div><strong>Aryaka</strong></div>
<div>Retry=0%time=162ms</div>
<div> </div>
<div>Aryaka can improve connection speed 8x performance.</div>
<div> </div>
<div>
<p><strong> </strong></p>
<p><strong>Test data:</strong></p>
<p><strong>VPN network test resault:</strong></p>
<div>
<div><span>[root@ip-10-38-0-9 ~]# ping  52.9.222.90</span></div>
<div><span>PING 52.9.222.90 (52.9.222.90) 56(84) bytes of data.</span></div>
<div><span>64 bytes from 52.9.222.90: icmp_seq=1 ttl=233 time=341 ms</span></div>
<div><span>64 bytes from 52.9.222.90: icmp_seq=2 ttl=233 time=346 ms</span></div>
<div><span>64 bytes from 52.9.222.90: icmp_seq=3 ttl=233 time=328 ms</span></div>
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64 bytes from 52.9.222.90: icmp_seq=4 ttl=233 time=348 ms
64 bytes from 52.9.222.90: icmp_seq=5 ttl=233 time=348 ms
^C
--- 52.9.222.90 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4004ms
rtt min/avg/max/mdev = 328.507/342.844/348.915/7.618 ms

[root@ip-10-38-0-9 ~]# iperf3 -c 52.9.222.90

Connecting to host 52.9.222.90, port 5201

[4] local 10.38.0.9 port 38726 connected to 52.9.222.90 port 5201

[ID] Interval   Transfer   Bandwidth   Retr Cwnd

[4]   0.00-1.00   sec   117 KBytes   961 Kbits/sec   0   28.3 KBytes

[4]   1.00-2.00   sec   725 KBytes 5.94 Mbits/sec   0   226 KBytes

[4]   2.00-3.00   sec   636 KBytes 5.21 Mbits/sec   15   195 KBytes

[4]   3.00-4.00   sec   191 KBytes 1.56 Mbits/sec   14   35.4 KBytes

[4]   4.00-5.00   sec   382 KBytes 3.13 Mbits/sec   0   154 KBytes

[4]   5.00-6.00   sec   382 KBytes 3.13 Mbits/sec   1   120 KBytes

[4]   6.00-7.00   sec   318 KBytes 2.61 Mbits/sec   1   89.1 KBytes

[4]   7.00-8.00   sec   318 KBytes 2.61 Mbits/sec   0   102 KBytes

[4]   8.00-9.00   sec   191 KBytes 1.56 Mbits/sec   1   80.6 KBytes

[4]   9.00-10.00 sec   191 KBytes 1.56 Mbits/sec   1   76.4 KBytes

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[ID] Interval   Transfer   Bandwidth   Retr

[4]   0.00-10.00 sec 3.37 MBytes 2.83 Mbits/sec   33   sender

[4]   0.00-10.00 sec 2.69 MBytes 2.26 Mbits/sec   receiver

iperf Done.

Aryaka Dedicated test resault:

PING 10.38.2.107 (10.38.2.107) 56(84) bytes of data.
64 bytes from 10.38.2.107: icmp_seq=1 ttl=243 time=163 ms
64 bytes from 10.38.2.107: icmp_seq=2 ttl=243 time=163 ms
64 bytes from 10.38.2.107: icmp_seq=3 ttl=243 time=162 ms
64 bytes from 10.38.2.107: icmp_seq=4 ttl=243 time=163 ms
64 bytes from 10.38.2.107: icmp_seq=5 ttl=243 time=166 ms
^C
--- 10.38.2.107 ping statistics ---

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5 packets transmitted, 5 received, 0% packet loss, time 4004ms
rtt min/avg/max/mdev = 162.962/163.803/166.335/1.371 ms

 
[root@ip-10-0-6-25 ~]# iperf3 -c 10.38.2.107
Connecting to host 10.38.2.107, port 5201
[  4] local 10.0.6.25 port 42640 connected to 10.38.2.107 port 5201
[ ID] Interval      Transfer   Bandwidth    Retr  Cwnd
[  4]  0.00-1.00  sec  2.74 MBytes  23.0 Mbits/sec   0  43.2 KBytes
[  4]  1.00-2.00  sec  2.36 MBytes  19.8 Mbits/sec   0  43.2 KBytes
[  4]  2.00-3.00  sec  2.29 MBytes  19.2 Mbits/sec   0  43.2 KBytes
[  4]  3.00-4.00  sec  2.36 MBytes  19.8 Mbits/sec   0  43.2 KBytes
[  4]  4.00-5.00  sec  2.29 MBytes  19.2 Mbits/sec   0  43.2 KBytes
[  4]  5.00-6.00  sec  2.29 MBytes  19.2 Mbits/sec   0  43.2 KBytes
[  4]  6.00-7.00  sec  2.29 MBytes  19.2 Mbits/sec   0  43.2 KBytes
[  4]  7.00-8.00  sec  2.36 MBytes  19.8 Mbits/sec   0  43.2 KBytes
[  4]  8.00-9.00  sec  2.29 MBytes  19.2 Mbits/sec   0  43.2 KBytes
[  4]  9.00-10.00 sec  2.29 MBytes  19.2 Mbits/sec   0  43.2 KBytes
- - - - - - - - - - - - - - - - - - - - - - - - -
[ ID] Interval      Transfer   Bandwidth    Retr
[  4]  0.00-10.00 sec  23.6 MBytes  19.8 Mbits/sec   0       sender
[  4]  0.00-10.00 sec  22.7 MBytes  19.1 Mbits/sec         receiver

iperf Done.
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