
Subject: Re: Routing problem in VE
Posted by [wilf](#) on Fri, 18 May 2007 10:52:04 GMT
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Hi Morik,

```
BASE-INSTANCE ~ # traceroute 10.1.4.191
traceroute to 10.1.4.191 (10.1.4.191), 30 hops max, 46 byte packets
 1 10.0.254.2 (10.0.254.2) 0.204 ms 0.181 ms 0.182 ms
 2 10.1.4.191 (10.1.4.191) 0.493 ms 0.453 ms 0.477 ms
BASE-INSTANCE ~ # traceroute 10.1.4.192
traceroute to 10.1.4.192 (10.1.4.192), 30 hops max, 46 byte packets
 1 10.0.254.2 (10.0.254.2) 0.267 ms 0.183 ms 0.186 ms
 2 10.1.4.192 (10.1.4.192) 0.545 ms 0.444 ms 0.449 ms
BASE-INSTANCE ~ # traceroute 10.1.1.191
traceroute to 10.1.1.191 (10.1.1.191), 30 hops max, 46 byte packets
 1 10.0.254.2 (10.0.254.2) 0.249 ms 0.183 ms 0.181 ms
 2 10.0.254.3 (10.0.254.3) 0.309 ms 0.326 ms 0.319 ms
 3 10.1.1.191 (10.1.1.191) 0.820 ms 0.659 ms 0.525 ms
BASE-INSTANCE ~ # traceroute 10.1.1.192
traceroute to 10.1.1.192 (10.1.1.192), 30 hops max, 46 byte packets
 1 10.0.254.2 (10.0.254.2) 0.251 ms 0.183 ms 0.180 ms
 2 10.0.254.3 (10.0.254.3) 0.394 ms 0.341 ms 0.316 ms
 3 10.1.1.192 (10.1.1.192) 0.808 ms 0.538 ms 0.603 ms
BASE-INSTANCE ~ # traceroute 10.200.6.1
traceroute to 10.200.6.1 (10.200.6.1), 30 hops max, 46 byte packets
 1 10.0.254.2 (10.0.254.2) 0.216 ms 0.185 ms 0.177 ms
 2 10.0.254.3 (10.0.254.3) 0.382 ms 0.316 ms 0.345 ms
 3 10.1.253.74 (10.1.253.74) 0.501 ms 0.577 ms 0.485 ms
 4 * * *
```

BASE-INSTANCE ~ # ping !
ping 10.200.6.1
PING 10.200.6.1 (10.200.6.1) 56(84) bytes of data.
64 bytes from 10.200.6.1: icmp_seq=1 ttl=253 time=0.735 ms
From 10.0.254.2: icmp_seq=2 Redirect Network(New nexthop: 10.0.254.3)
64 bytes from 10.200.6.1: icmp_seq=2 ttl=253 time=0.792 ms

--- 10.200.6.1 ping statistics ---

2 packets transmitted, 2 received, 0% packet loss, time 1001ms

rtt min/avg/max/mdev = 0.735/0.763/0.792/0.039 ms

As you can see, it all works OK from the base instance. One oddity is that although it can ping 10.200.6.1, traceroute never completes.

BASE-INSTANCE ~ # vzctl enter 201

entered into VE 201

VE-LIVE / # traceroute 10.1.4.191

traceroute to east (10.1.4.191), 30 hops max, 46 byte packets

```
 1 10.0.253.72 (10.0.253.72) 0.048 ms 0.030 ms 0.012 ms
```

2 * * *

3 * *

VE-LIVE / # traceroute 10.1.4.192

traceroute to 10.1.4.192 (10.1.4.192), 30 hops max, 46 byte packets

1 10.0.253.72 (10.0.253.72) 0.037 ms 0.016 ms 0.011 ms

2 * * *

3 * *

VE-LIVE / # traceroute 10.1.1.191

traceroute to central (10.1.1.191), 30 hops max, 46 byte packets

1 10.0.253.72 (10.0.253.72) 0.038 ms 0.023 ms 0.012 ms

2 10.0.254.3 (10.0.254.3) 0.391 ms 0.312 ms 0.327 ms

3 centralexchange (10.1.1.191) 0.816 ms 0.611 ms 0.647 ms

VE-LIVE / # traceroute 10.1.1.192

traceroute to 10.1.1.192 (10.1.1.192), 30 hops max, 46 byte packets

1 10.0.253.72 (10.0.253.72) 0.026 ms 0.015 ms 0.011 ms

2 10.0.254.3 (10.0.254.3) 0.425 ms 0.285 ms 0.448 ms

3 10.1.1.192 (10.1.1.192) 0.651 ms 0.638 ms 0.647 ms

VE-LIVE / # traceroute 10.200.6.1

traceroute to 10.200.6.1 (10.200.6.1), 30 hops max, 46 byte packets

1 10.0.253.72 (10.0.253.72) 0.028 ms 0.021 ms 0.011 ms

2 10.0.254.3 (10.0.254.3) 0.456 ms 0.278 ms 0.327 ms

3 10.1.253.74 (10.1.253.74) 0.649 ms 0.485 ms 0.486 ms

4 * * *

5 * *

VE-LIVE / # ping !\$

ping 10.200.6.1

PING 10.200.6.1 (10.200.6.1) 56(84) bytes of data.

64 bytes from 10.200.6.1: icmp_seq=1 ttl=252 time=0.709 ms

From 10.0.254.2: icmp_seq=2 Redirect Network(New nexthop: 10.0.254.3)

64 bytes from 10.200.6.1: icmp_seq=2 ttl=252 time=0.872 ms

--- 10.200.6.1 ping statistics ---

2 packets transmitted, 2 received, 0% packet loss, time 1001ms

rtt min/avg/max/mdev = 0.709/0.790/0.872/0.086 ms

10.1.4.191 just isn't visible at all. I find it strange that the instance get the location of the servers (central and east), but that info doesn't appear in teh base-instance. Am I confused? Yup.

Thanks again for you time,

Best Regards, Paul.