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unfortunately this first attempt is very important for our setup, please, let us know your thoughts

VE 1000 is on host2 on a venet interface and IP 172.16.0.130

CentOS release 5.4 (Final)

x86 64 x86 64 GNU/Linux

```
64 bytes from 172.16.0.130: icmp_seq=3 ttl=64 time=0.149 ms
```

target	prot	opt	source	destination
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
10	10	10	10	10
11	11	11	11	11
12	12	12	12	12
13	13	13	13	13
14	14	14	14	14
15	15	15	15	15
16	16	16	16	16
17	17	17	17	17
18	18	18	18	18
19	19	19	19	19
20	20	20	20	20
21	21	21	21	21
22	22	22	22	22
23	23	23	23	23
24	24	24	24	24
25	25	25	25	25
26	26	26	26	26
27	27	27	27	27
28	28	28	28	28
29	29	29	29	29
30	30	30	30	30
31	31	31	31	31
32	32	32	32	32
33	33	33	33	33
34	34	34	34	34
35	35	35	35	35
36	36	36	36	36
37	37	37	37	37
38	38	38	38	38
39	39	39	39	39
40	40	40	40	40
41	41	41	41	41
42	42	42	42	42
43	43	43	43	43
44	44	44	44	44
45	45	45	45	45
46	46	46	46	46
47	47	47	47	47
48	48	48	48	48
49	49	49	49	49
50	50	50	50	50
51	51	51	51	51
52	52	52	52	52
53	53	53	53	53
54	54	54	54	54
55	55	55	55	55
56	56	56	56	56
57	57	57	57	57
58	58	58	58	58
59	59	59	59	59
60	60	60	60	60
61	61	61	61	61
62	62	62	62	62
63	63	63	63	63
64	64	64	64	64
65	65	65	65	65
66	66	66	66	66
67	67	67	67	67
68	68	68	68	68
69	69	69	69	69
70	70	70	70	70
71	71	71	71	71
72	72	72	72	72
73	73	73	73	73
74	74	74	74	74
75	75	75	75	75
76	76	76	76	76
77	77	77	77	77
78	78	78	78	78
79	79	79	79	79
80	80	80	80	80
81	81	81	81	81
82	82	82	82	82
83	83	83	83	83
84	84	84	84	84
85	85	85	85	85
86	86	86	86	86
87	87	87	87	87

target	prot	opt	source	destination
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
10	10	10	10	10
11	11	11	11	11
12	12	12	12	12
13	13	13	13	13
14	14	14	14	14
15	15	15	15	15
16	16	16	16	16
17	17	17	17	17
18	18	18	18	18
19	19	19	19	19
20	20	20	20	20
21	21	21	21	21
22	22	22	22	22
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40	40	40	40	40
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42	42	42	42	42
43	43	43	43	43
44	44	44	44	44
45	45	45	45	45
46	46	46	46	46
47	47	47	47	47
48	48	48	48	48
49	49	49	49	49
50	50	50	50	50
51	51	51	51	51
52	52	52	52	52
53	53	53	53	53
54	54	54	54	54
55	55	55	55	55
56	56	56	56	56
57	57	57	57	57
58	58	58	58	58
59	59	59	59	59
60	60	60	60	60
61	61	61	61	61
62	62	62	62	62
63	63	63	63	63
64	64	64	64	64
65	65	65	65	65
66	66	66	66	66
67	67	67	67	67
68	68	68	68	68
69	69	69	69	69
70	70	70	70	70
71	71	71	71	71
72	72	72	72	72
73	73	73	73	73
74	74	74	74	74
75	75	75	75	75
76	76	76	76	76
77	77	77	77	77
78	78	78	78	78
79	79	79	79	79
80	80	80	80	80
81	81	81	81	81
82	82	82	82	82
83	83	83	83	83
84	84	84	84	84
85	85	85	85	85
86	86	86	86	86
87	87	87	87	87

```
target prot opt source      destination
```

target	prot opt	source	destination
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
24	24	24	24
25	25	25	25
26	26	26	26
27	27	27	27
28	28	28	28
29	29	29	29
30	30	30	30
31	31	31	31
32	32	32	32
33	33	33	33
34	34	34	34
35	35	35	35
36	36	36	36
37	37	37	37
38	38	38	38
39	39	39	39
40	40	40	40
41	41	41	41
42	42	42	42
43	43	43	43
44	44	44	44
45	45	45	45
46	46	46	46
47	47	47	47
48	48	48	48
49	49	49	49
50	50	50	50
51	51	51	51
52	52	52	52
53	53	53	53
54	54	54	54
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56	56	56	56
57	57	57	57
58	58	58	58
59	59	59	59
60	60	60	60
61	61	61	61
62	62	62	62
63	63	63	63
64	64	64	64
65	65	65	65
66	66	66	66
67	67	67	67
68	68	68	68
69	69	69	69
70	70	70	70
71	71	71	71
72	72	72	72
73	73	73	73
74	74	74	74
75	75	75	75
76	76	76	76
77	77	77	77
78	78	78	78
79	79	79	79
80	80	80	80
81	81	81	81
82	82	82	82
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84	84	84	84
85	85	85	85
86	86	86	86
87	87	87	87
88	88	88	88
89	89	89	89
90	90	90	90
91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

Chain OUTPUT (policy ACCEPT)
target prot opt source destination
Chain PREROUTING (policy ACCEPT)
target prot opt source destination

Chain INPUT (policy ACCEPT)
target prot opt source destination

Chain FORWARD (policy ACCEPT)
target prot opt source destination

Chain OUTPUT (policy ACCEPT)
target prot opt source destination

Chain POSTROUTING (policy ACCEPT)
target prot opt source destination

***** host1:

[root@host1 ~]# iptables -t nat -L && iptables -t filter -L && iptables -t mangle -L

Chain PREROUTING (policy ACCEPT)
target prot opt source destination

Chain POSTROUTING (policy ACCEPT)
target prot opt source destination

Chain OUTPUT (policy ACCEPT)
target prot opt source destination

Chain INPUT (policy ACCEPT)
target prot opt source destination

Chain FORWARD (policy ACCEPT)
target prot opt source destination

Chain OUTPUT (policy ACCEPT)
target prot opt source destination

Chain PREROUTING (policy ACCEPT)
target prot opt source destination

Chain INPUT (policy ACCEPT)
target prot opt source destination

Chain FORWARD (policy ACCEPT)
target prot opt source destination

Chain OUTPUT (policy ACCEPT)
target prot opt source destination

Chain POSTROUTING (policy ACCEPT)
target prot opt source destination

***** VE 1001:

```
[root@1001 /]# ip route list table all
192.0.2.0/24 dev venet0 scope host
169.254.0.0/16 dev venet0 scope link
default via 192.0.2.1 dev venet0
broadcast 127.255.255.255 dev lo table 255 proto kernel scope link src 127.0.0.1
local 172.16.0.130 dev venet0 table 255 proto kernel scope host src 172.16.0.130
broadcast 172.16.0.130 dev venet0 table 255 proto kernel scope link src 172.16.0.130
broadcast 127.0.0.0 dev lo table 255 proto kernel scope link src 127.0.0.1
local 127.0.0.1 dev lo table 255 proto kernel scope host src 127.0.0.1
local 127.0.0.1 dev venet0 table 255 proto kernel scope host src 127.0.0.1
local 127.0.0.0/8 dev lo table 255 proto kernel scope host src 127.0.0.1
unreachable default dev lo table unspec proto none metric -1 error -101 hoplimit 255
local ::1 via :: dev lo table 255 proto none metric 0 mtu 16436 advmss 16376 hoplimit
4294967295
unreachable default dev lo table unspec proto none metric -1 error -101 hoplimit 255
```

***** [root@host2 /]# ip route list table all

```
172.16.0.130 dev venet0 scope link
65.19.XXX.XX6/XX dev eth1 proto kernel scope link src 65.19.XXX.XX1
172.16.0.0/16 dev eth0 proto kernel scope link src 172.16.0.8
169.254.0.0/16 dev eth1 scope link
default via 65.19.XXX.XX7 dev eth1 src 65.19.XXX.XX1
broadcast 65.19.XXX.XX6 dev eth1 table 255 proto kernel scope link src 65.19.XXX.XX1
broadcast 127.255.255.255 dev lo table 255 proto kernel scope link src 127.0.0.1
local 65.19.XXX.XX1 dev eth1 table 255 proto kernel scope host src 65.19.XXX.XX1
broadcast 172.16.0.0 dev eth0 table 255 proto kernel scope link src 172.16.0.8
broadcast 172.16.255.255 dev eth0 table 255 proto kernel scope link src 172.16.0.8
local 172.16.0.8 dev eth0 table 255 proto kernel scope host src 172.16.0.8
broadcast 127.0.0.0 dev lo table 255 proto kernel scope link src 127.0.0.1
broadcast 65.19.XXX.X91 dev eth1 table 255 proto kernel scope link src 65.19.XXX.XX1
local 127.0.0.1 dev lo table 255 proto kernel scope host src 127.0.0.1
local 127.0.0.0/8 dev lo table 255 proto kernel scope host src 127.0.0.1
fe80::/64 dev eth0 metric 256 expires 16737768sec mtu 1500 advmss 1440 hoplimit
4294967295
fe80::/64 dev eth1 metric 256 expires 16737768sec mtu 1500 advmss 1440 hoplimit
4294967295
unreachable default dev lo table unspec proto none metric -1 error -101 hoplimit 255
local ::1 via :: dev lo table 255 proto none metric 0 mtu 16436 advmss 16376 hoplimit
4294967295
local fe80::230:48ff:fe8d:238a via :: dev lo table 255 proto none metric 0 mtu 16436 advmss
16376 hoplimit 4294967295
```

```
local fe80::230:48ff:fe8d:238b via :: dev lo table 255 proto none metric 0 mtu 16436 advmss 16376 hoplimit 4294967295
ff00::/8 dev eth0 table 255 metric 256 expires 16737768sec mtu 1500 advmss 1440 hoplimit 4294967295
ff00::/8 dev eth1 table 255 metric 256 expires 16737768sec mtu 1500 advmss 1440 hoplimit 4294967295
unreachable default dev lo table unspec proto none metric -1 error -101 hoplimit 255
```

```
[root@host2 conf]# tcpdump -i eth0 -n -e host 172.16.0.130
tcpdump: verbose output suppressed, use -v or -vv for full protocol decode
listening on eth0, link-type EN10MB (Ethernet), capture size 96 bytes
18:53:35.640769 00:25:90:34:25:28 > 00:30:48:8d:23:8a, ethertype IPv4 (0x0800), length 98: 172.16.0.20 > 172.16.0.130: ICMP echo request, id 15442, seq 1, length 64
18:53:35.640848 00:30:48:8d:23:8a > 00:25:90:34:25:28, ethertype IPv4 (0x0800), length 98: 172.16.0.130 > 172.16.0.20: ICMP echo reply, id 15442, seq 1, length 64
18:53:36.640122 00:25:90:34:25:28 > 00:30:48:8d:23:8a, ethertype IPv4 (0x0800), length 98: 172.16.0.20 > 172.16.0.130: ICMP echo request, id 15442, seq 2, length 64
18:53:36.640214 00:30:48:8d:23:8a > 00:25:90:34:25:28, ethertype IPv4 (0x0800), length 98: 172.16.0.130 > 172.16.0.20: ICMP echo reply, id 15442, seq 2, length 64
18:53:37.639852 00:25:90:34:25:28 > 00:30:48:8d:23:8a, ethertype IPv4 (0x0800), length 98: 172.16.0.20 > 172.16.0.130: ICMP echo request, id 15442, seq 3, length 64
18:53:37.639912 00:30:48:8d:23:8a > 00:25:90:34:25:28, ethertype IPv4 (0x0800), length 98: 172.16.0.130 > 172.16.0.20: ICMP echo reply, id 15442, seq 3, length 64
```

6 packets captured
6 packets received by filter

```
[root@host2 conf]# tcpdump -i venet0 -n -e host 172.16.0.130
tcpdump: WARNING: arptype 65535 not supported by libpcap - falling back to cooked socket
tcpdump: WARNING: venet0: no IPv4 address assigned
tcpdump: verbose output suppressed, use -v or -vv for full protocol decode
listening on venet0, link-type LINUX_SLL (Linux cooked), capture size 96 bytes
18:53:10.768100 Out ethertype IPv4 (0x0800), length 100: 172.16.0.20 > 172.16.0.130: ICMP echo request, id 47441, seq 1, length 64
18:53:10.768146 In ethertype IPv4 (0x0800), length 100: 172.16.0.130 > 172.16.0.20: ICMP echo reply, id 47441, seq 1, length 64
18:53:11.767602 Out ethertype IPv4 (0x0800), length 100: 172.16.0.20 > 172.16.0.130: ICMP echo request, id 47441, seq 2, length 64
18:53:11.767650 In ethertype IPv4 (0x0800), length 100: 172.16.0.130 > 172.16.0.20: ICMP echo reply, id 47441, seq 2, length 64
18:53:12.767384 Out ethertype IPv4 (0x0800), length 100: 172.16.0.20 > 172.16.0.130: ICMP echo request, id 47441, seq 3, length 64
18:53:12.767433 In ethertype IPv4 (0x0800), length 100: 172.16.0.130 > 172.16.0.20: ICMP echo reply, id 47441, seq 3, length 64
```

6 packets captured

6 packets received by filter
0 packets dropped by kernel
