

```
1 2016/02/23 14:46:19 ZEBRA: Unprocessed RTM_type: 7
2 2016/02/23 14:46:53 ZEBRA: zebra message comes from socket [14]
3 2016/02/23 14:46:53 ZEBRA: zebra message received [ZEBRA_IPV4_NEXTHOP_LOOKUP] 4 in VRF 0
4 2016/02/23 14:46:53 ZEBRA: zread_ipv4_nexthop_lookup: looking up 192.168.1.1
5 2016/02/23 14:46:53 ZEBRA: zsend_ipv4_nexthop_lookup: Matching rib entry found.
6 2016/02/23 14:46:53 ZEBRA: zebra message comes from socket [13]
7 2016/02/23 14:46:53 ZEBRA: zebra message received [ZEBRA_IPV4_ROUTE_ADD] 20 in VRF 0
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8 2016/02/23 14:46:53 ZEBRA: rib_link: 30.0.5.0/24 vrf 0: rn 0x802104740, rib 0x8020e79c0
9 2016/02/23 14:46:53 ZEBRA: rib_link: 30.0.5.0/24 vrf 0: adding dest to table
10 2016/02/23 14:46:53 ZEBRA: rib_add_ipv4_multipath: called rib_addnode (0x802104740, 0x8020e79c0)
    on new RIB entry
11 2016/02/23 14:46:53 ZEBRA: rib_add_ipv4_multipath: dumping RIB entry 0x8020e79c0 for 30.0.5.0/24
    vrf 0
12 2016/02/23 14:46:53 ZEBRA: rib_add_ipv4_multipath: refcnt == 0, uptime == 1456267613, type == 9,
    table == 0
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13 2016/02/23 14:46:53 ZEBRA: rib_add_ipv4_multipath: metric == 0, distance == 200, flags == 9,
    status == 0
14 2016/02/23 14:46:53 ZEBRA: rib_add_ipv4_multipath: nexthop_num == 1, nexthop_active_num == 0,
    nexthop_fib_num == 0
15 2016/02/23 14:46:53 ZEBRA: rib_add_ipv4_multipath: NH 192.168.1.1 with flags
16 2016/02/23 14:46:53 ZEBRA: rib_add_ipv4_multipath: dump complete
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17 2016/02/23 14:46:53 ZEBRA: rib_process: 30.0.5.0/24 vrf 0: Adding route, select 0x8020e79c0
18 2016/02/23 14:46:53 ZEBRA: kernel_rtm_ipv4: 30.0.5.0/24: successfully did NH 192.168.1.1
19 2016/02/23 14:46:53 ZEBRA: Kernel: Len: 200 Type: RTM_ADD
20 2016/02/23 14:46:53 ZEBRA: Kernel: UP GATEWAY DONE PROTO1
21 2016/02/23 14:46:53 ZEBRA: Kernel: message seq 2
22 2016/02/23 14:46:53 ZEBRA: Kernel: pid 36122, rtm_addrs 0x7
23 2016/02/23 14:46:53 ZEBRA: rtm_read: got rtm of type 1 (RTM_ADD)
24 2016/02/23 14:46:53 ZEBRA: rtm_read: RTM_ADD 30.0.5.0/24: done Ok
25 2016/02/23 14:46:53 ZEBRA: rib_lookup_and_dump: rn 0x802104740, rib 0x8020e79c0: NOT removed,
    selected
26 2016/02/23 14:46:53 ZEBRA: rib_lookup_and_dump: dumping RIB entry 0x8020e79c0 for 30.0.5.0/24 vrf
    0
27 2016/02/23 14:46:53 ZEBRA: rib_lookup_and_dump: refcnt == 0, uptime == 1456267613, type == 9,
    table == 0
28 2016/02/23 14:46:53 ZEBRA: rib_lookup_and_dump: metric == 0, distance == 200, flags == 25, status
    == 0
29 2016/02/23 14:46:53 ZEBRA: rib_lookup_and_dump: nexthop_num == 1, nexthop_active_num == 1,
    nexthop_fib_num == 0
30 2016/02/23 14:46:53 ZEBRA: rib_lookup_and_dump: NH 192.168.1.1 with flags ACTIVE FIB
31 2016/02/23 14:46:53 ZEBRA: rib_lookup_and_dump: dump complete
32 2016/02/23 14:46:54 ZEBRA: Kernel: Len: 168 Type: RTM_MISS
33 2016/02/23 14:46:54 ZEBRA: Kernel: DONE
34 2016/02/23 14:46:54 ZEBRA: Kernel: message seq 0
35 2016/02/23 14:46:54 ZEBRA: Kernel: pid 0, rtm_addrs 0x1
36 2016/02/23 14:46:54 ZEBRA: Unprocessed RTM_type: 7
37 2016/02/23 14:46:54 ZEBRA: Kernel: Len: 168 Type: RTM_MISS
38 2016/02/23 14:46:54 ZEBRA: Kernel: DONE
39 2016/02/23 14:46:54 ZEBRA: Kernel: message seq 0
40 2016/02/23 14:46:54 ZEBRA: Kernel: pid 0, rtm_addrs 0x1
41 2016/02/23 14:46:54 ZEBRA: Unprocessed RTM_type: 7
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42 2016/02/23 14:47:07 ZEBRA: zebra message comes from socket [14]
43 2016/02/23 14:47:07 ZEBRA: zebra message received [ZEBRA_IPV4_NEXTHOP_LOOKUP] 4 in VRF 0
44 2016/02/23 14:47:07 ZEBRA: zread_ipv4_nexthop_lookup: looking up 192.168.2.1
45 2016/02/23 14:47:07 ZEBRA: zsend_ipv4_nexthop_lookup: Matching rib entry found.
46 2016/02/23 14:47:07 ZEBRA: zebra message comes from socket [13]
47 2016/02/23 14:47:07 ZEBRA: zebra message received [ZEBRA_IPV4_ROUTE_ADD] 20 in VRF 0
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48 2016/02/23 14:47:07 ZEBRA: rib_link: 30.0.5.0/24 vrf 0: rn 0x802104740, rib 0x8020e7a00
49 2016/02/23 14:47:07 ZEBRA: rib_add_ipv4_multipath: called rib_addnode (0x802104740, 0x8020e7a00)
    on new RIB entry
50 2016/02/23 14:47:07 ZEBRA: rib_add_ipv4_multipath: dumping RIB entry 0x8020e7a00 for 30.0.5.0/24
    vrf 0
51 2016/02/23 14:47:07 ZEBRA: rib_add_ipv4_multipath: refcnt == 0, uptime == 1456267627, type == 9,
    table == 0
```

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52 2016/02/23 14:47:07 ZEBRA: rib_add_ipv4_multipath: metric == 0, distance == 200, flags == 9,
    status == 0
53 2016/02/23 14:47:07 ZEBRA: rib_add_ipv4_multipath: nexthop_num == 1, nexthop_active_num == 0,
    nexthop_fib_num == 0
54 2016/02/23 14:47:07 ZEBRA: rib_add_ipv4_multipath: NH 192.168.2.1 with flags
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1 2016/02/23 02:27:45 ZEBRA: Unprocessed RTM_type: 7
2 2016/02/23 02:28:17 ZEBRA: zebra message comes from socket [14]
3 2016/02/23 02:28:17 ZEBRA: zebra message received [ZEBRA_IPV4_NEXTHOP_LOOKUP] 4 in VRF 0
4 2016/02/23 02:28:17 ZEBRA: zread_ipv4_nexthop_lookup: looking up 192.168.1.1
5 2016/02/23 02:28:17 ZEBRA: zsend_ipv4_nexthop_lookup: Matching rib entry found.
6 2016/02/23 02:28:17 ZEBRA: zebra message comes from socket [13]
7 2016/02/23 02:28:17 ZEBRA: zebra message received [ZEBRA_IPV4_ROUTE_ADD] 20 in VRF 0
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```
8 2016/02/23 02:28:17 ZEBRA: rib_link: 30.0.5.0/24 vrf 0: rn 0x802106880, rib 0x802107bc0
9 2016/02/23 02:28:17 ZEBRA: rib_add_ipv4_multipath: called rib_addnode (0x802106880, 0x802107bc0)
    on new RIB entry
10 2016/02/23 02:28:17 ZEBRA: rib_add_ipv4_multipath: dumping RIB entry 0x802107bc0 for 30.0.5.0/24
    vrf 0
11 2016/02/23 02:28:17 ZEBRA: rib_add_ipv4_multipath: refcnt == 0, uptime == 1456223297, type == 9,
    table == 0
```

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12 2016/02/23 02:28:17 ZEBRA: rib_add_ipv4_multipath: metric == 0, distance == 200, flags == 9,
    status == 0
13 2016/02/23 02:28:17 ZEBRA: rib_add_ipv4_multipath: nexthop_num == 1, nexthop_active_num == 0,
    nexthop_fib_num == 0
14 2016/02/23 02:28:17 ZEBRA: rib_add_ipv4_multipath: NH 192.168.1.1 with flags
15 2016/02/23 02:28:17 ZEBRA: rib_add_ipv4_multipath: dump complete
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16 2016/02/23 02:28:17 ZEBRA: rib_process: 30.0.5.0/24 vrf 0: Updating existing route, select
    0x802107080, fib 0x802107080
17 2016/02/23 02:28:17 ZEBRA: rib_process: 30.0.5.0/24 vrf 0: Updating existing route, select
    0x802107080, fib 0x802107080
```

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18 2016/02/23 02:28:31 ZEBRA: zebra message comes from socket [14]
19 2016/02/23 02:28:31 ZEBRA: zebra message received [ZEBRA_IPV4_NEXTHOP_LOOKUP] 4 in VRF 0
20 2016/02/23 02:28:31 ZEBRA: zread_ipv4_nexthop_lookup: looking up 192.168.2.1
21 2016/02/23 02:28:31 ZEBRA: zsend_ipv4_nexthop_lookup: Matching rib entry found.
22 2016/02/23 02:28:31 ZEBRA: zebra message comes from socket [13]
23 2016/02/23 02:28:31 ZEBRA: zebra message received [ZEBRA_IPV4_ROUTE_ADD] 20 in VRF 0
```

```
24 2016/02/23 02:28:31 ZEBRA: rib_link: 30.0.5.0/24 vrf 0: rn 0x802106880, rib 0x802107c00
25 2016/02/23 02:28:31 ZEBRA: rib_add_ipv4_multipath: called rib_addnode (0x802106880, 0x802107c00)
    on new RIB entry
26 2016/02/23 02:28:31 ZEBRA: rib_add_ipv4_multipath: dumping RIB entry 0x802107c00 for 30.0.5.0/24
    vrf 0
27 2016/02/23 02:28:31 ZEBRA: rib_add_ipv4_multipath: refcnt == 0, uptime == 1456223311, type == 9,
    table == 0
```

```
28 2016/02/23 02:28:31 ZEBRA: rib_add_ipv4_multipath: metric == 0, distance == 200, flags == 9,
    status == 0
29 2016/02/23 02:28:31 ZEBRA: rib_add_ipv4_multipath: nexthop_num == 1, nexthop_active_num == 0,
    nexthop_fib_num == 0
30 2016/02/23 02:28:31 ZEBRA: rib_add_ipv4_multipath: NH 192.168.2.1 with flags
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55	2016/02/23 14:47:07 ZEBRA: rib_add_ipv4_multipath: dump complete	31	2016/02/23 02:28:31 ZEBRA: rib_add_ipv4_multipath: dump complete
56	2016/02/23 14:47:07 ZEBRA: rib_add_ipv4_multipath: calling rib_delnode (0x802104740, 0x8020e79c0) on existing RIB entry	32	2016/02/23 02:28:31 ZEBRA: rib_add_ipv4_multipath: calling rib_delnode (0x802106880, 0x802107bc0) on existing RIB entry
57	2016/02/23 14:47:07 ZEBRA: rib_add_ipv4_multipath: dumping RIB entry 0x8020e79c0 for 30.0.5.0/24 vrf 0	33	2016/02/23 02:28:31 ZEBRA: rib_add_ipv4_multipath: dumping RIB entry 0x802107bc0 for 30.0.5.0/24 vrf 0
58	2016/02/23 14:47:07 ZEBRA: rib_add_ipv4_multipath: refcnt == 0, uptime == 1456267613, type == 9, table == 0	34	2016/02/23 02:28:31 ZEBRA: rib_add_ipv4_multipath: refcnt == 0, uptime == 1456223297, type == 9, table == 0
59	2016/02/23 14:47:07 ZEBRA: rib_add_ipv4_multipath: metric == 0, distance == 200, flags == 25, status == 0	35	2016/02/23 02:28:31 ZEBRA: rib_add_ipv4_multipath: metric == 0, distance == 200, flags == 9, status == 0
60	2016/02/23 14:47:07 ZEBRA: rib_add_ipv4_multipath: nexthop_num == 1, nexthop_active_num == 1, nexthop_fib_num == 0	36	2016/02/23 02:28:31 ZEBRA: rib_add_ipv4_multipath: nexthop_num == 1, nexthop_active_num == 1, nexthop_fib_num == 0
61	2016/02/23 14:47:07 ZEBRA: rib_add_ipv4_multipath: NH 192.168.1.1 with flags ACTIVE FIB	37	2016/02/23 02:28:31 ZEBRA: rib_add_ipv4_multipath: NH 192.168.1.1 with flags ACTIVE
62	2016/02/23 14:47:07 ZEBRA: rib_add_ipv4_multipath: dump complete	38	2016/02/23 02:28:31 ZEBRA: rib_add_ipv4_multipath: dump complete
63	2016/02/23 14:47:07 ZEBRA: rib_delnode: 30.0.5.0/24 vrf 0: rn 0x802104740, rib 0x8020e79c0, removing	39	2016/02/23 02:28:31 ZEBRA: rib_delnode: 30.0.5.0/24 vrf 0: rn 0x802106880, rib 0x802107bc0, removing
64	2016/02/23 14:47:07 ZEBRA: rib_process: 30.0.5.0/24 vrf 0: Removing existing route, fib 0x8020e79c0	40	2016/02/23 02:28:31 ZEBRA: rib_process: 30.0.5.0/24 vrf 0: rn 0x802106880, removing rib 0x802107bc0
65	2016/02/23 14:47:07 ZEBRA: kernel_rtm_ipv4: 30.0.5.0/24: successfully did NH 192.168.1.1	41	2016/02/23 02:28:31 ZEBRA: rib_unlink: 30.0.5.0/24 vrf 0: rn 0x802106880, rib 0x802107bc0
66	2016/02/23 14:47:07 ZEBRA: rib_process: 30.0.5.0/24 vrf 0: Adding route, select 0x8020e7a00	42	2016/02/23 02:28:31 ZEBRA: rib_process: 30.0.5.0/24 vrf 0: Updating existing route, select 0x802107080, fib 0x802107080
67	2016/02/23 14:47:07 ZEBRA: kernel_rtm_ipv4: 30.0.5.0/24: successfully did NH 192.168.2.1	43	2016/02/23 02:28:31 ZEBRA: rib_process: 30.0.5.0/24 vrf 0: Updating existing route, select 0x802107080, fib 0x802107080
68	2016/02/23 14:47:07 ZEBRA: rib_process: 30.0.5.0/24 vrf 0: Deleting fib 0x8020e79c0, rn 0x802104740		
69	2016/02/23 14:47:07 ZEBRA: rib_unlink: 30.0.5.0/24 vrf 0: rn 0x802104740, rib 0x8020e79c0		
70	2016/02/23 14:47:07 ZEBRA: Kernel: Len: 192 Type: RTM_DELETE		
71	2016/02/23 14:47:07 ZEBRA: Kernel: GATEWAY DONE PROTO1		
72	2016/02/23 14:47:07 ZEBRA: Kernel: message seq 3		
73	2016/02/23 14:47:07 ZEBRA: Kernel: pid 36122, rtm_addrs 0x7		
74	2016/02/23 14:47:07 ZEBRA: rtm_read: got rtm of type 2 (RTM_DELETE)		
75	2016/02/23 14:47:07 ZEBRA: rib_lookup_ipv4_route: qgate == 192.168.1.1, gate == 192.168.2.1		
76	2016/02/23 14:47:07 ZEBRA: rtm_read: RTM_DELETE 30.0.5.0/24: desync: RR is still in RIB, plus gate differs		
77	2016/02/23 14:47:07 ZEBRA: rib_lookup_and_dump: rn 0x802104740, rib 0x8020e7a00: NOT removed, selected		
78	2016/02/23 14:47:07 ZEBRA: rib_lookup_and_dump: dumping RIB entry 0x8020e7a00 for 30.0.5.0/24 vrf 0		
79	2016/02/23 14:47:07 ZEBRA: rib_lookup_and_dump: refcnt == 0, uptime == 1456267627, type == 9, table == 0		
80	2016/02/23 14:47:07 ZEBRA: rib_lookup_and_dump: metric == 0, distance == 200, flags == 25, status == 0		
81	2016/02/23 14:47:07 ZEBRA: rib_lookup_and_dump: nexthop_num == 1, nexthop_active_num == 1, nexthop_fib_num == 0		
82	2016/02/23 14:47:07 ZEBRA: rib_lookup_and_dump: NH 192.168.2.1 with flags ACTIVE FIB		
83	2016/02/23 14:47:07 ZEBRA: rib_lookup_and_dump: dump complete		
84	2016/02/23 14:47:07 ZEBRA: Kernel: Len: 200 Type: RTM_ADD		
85	2016/02/23 14:47:07 ZEBRA: Kernel: UP GATEWAY DONE PROTO1		
86	2016/02/23 14:47:07 ZEBRA: Kernel: message seq 4		
87	2016/02/23 14:47:07 ZEBRA: Kernel: pid 36122, rtm_addrs 0x7		
88	2016/02/23 14:47:07 ZEBRA: rtm_read: got rtm of type 1 (RTM_ADD)		
89	2016/02/23 14:47:07 ZEBRA: rtm_read: RTM_ADD 30.0.5.0/24: done Ok		
90	2016/02/23 14:47:07 ZEBRA: rib_lookup_and_dump: rn 0x802104740, rib 0x8020e7a00: NOT removed, selected		
91	2016/02/23 14:47:07 ZEBRA: rib_lookup_and_dump: dumping RIB entry 0x8020e7a00 for 30.0.5.0/24 vrf 0		
92	2016/02/23 14:47:07 ZEBRA: rib_lookup_and_dump: refcnt == 0, uptime == 1456267627, type == 9, table == 0		
93	2016/02/23 14:47:07 ZEBRA: rib_lookup_and_dump: metric == 0, distance == 200, flags == 25, status == 0		
94	2016/02/23 14:47:07 ZEBRA: rib_lookup_and_dump: nexthop_num == 1, nexthop_active_num == 1, nexthop_fib_num == 0		
95	2016/02/23 14:47:07 ZEBRA: rib_lookup_and_dump: NH 192.168.2.1 with flags ACTIVE FIB		
96	2016/02/23 14:47:07 ZEBRA: rib_lookup_and_dump: dump complete		
97	2016/02/23 14:47:08 ZEBRA: Kernel: Len: 168 Type: RTM_MISS		
98	2016/02/23 14:47:08 ZEBRA: Kernel: DONE		
99	2016/02/23 14:47:08 ZEBRA: Kernel: message seq 0		
100	2016/02/23 14:47:08 ZEBRA: Kernel: pid 0, rtm_addrs 0x1		
101	2016/02/23 14:47:08 ZEBRA: Unprocessed RTM_type: 7		
102	2016/02/23 14:47:08 ZEBRA: Kernel: Len: 168 Type: RTM_MISS		
103	2016/02/23 14:47:08 ZEBRA: Kernel: DONE		
104	2016/02/23 14:47:08 ZEBRA: Kernel: message seq 0		
105	2016/02/23 14:47:08 ZEBRA: Kernel: pid 0, rtm_addrs 0x1		

106	2016/02/23 14:47:08	ZEBRA: Unprocessed RTM_type: 7	
107	2016/02/23 14:47:30	ZEBRA: zebra message comes from socket [13]	44 2016/02/23 02:28:54 ZEBRA: zebra message comes from socket [13]
108	2016/02/23 14:47:30	ZEBRA: zebra message received [ZEBRA_IPV4_ROUTE_DELETE] 19 in VRF 0	45 2016/02/23 02:28:54 ZEBRA: zebra message received [ZEBRA_IPV4_ROUTE_DELETE] 19 in VRF 0
109	2016/02/23 14:47:30	ZEBRA: rib_delete_ipv4(): route delete 30.0.5.0/24 vrf 0 via 192.168.2.1 ifindex 0	46 2016/02/23 02:28:54 ZEBRA: rib_delete_ipv4(): route delete 30.0.5.0/24 vrf 0 via 192.168.2.1 ifindex 0
110	2016/02/23 14:47:30	ZEBRA: rib_delnode: 30.0.5.0/24 vrf 0: rn 0x802104740, rib 0x8020e7a00, removing	47 2016/02/23 02:28:54 ZEBRA: rib_delnode: 30.0.5.0/24 vrf 0: rn 0x802106880, rib 0x802107c00, removing
111	2016/02/23 14:47:30	ZEBRA: rib_process: 30.0.5.0/24 vrf 0: Removing existing route, fib 0x8020e7a00	48 2016/02/23 02:28:54 ZEBRA: rib_process: 30.0.5.0/24 vrf 0: rn 0x802106880, removing rib 0x802107c00
112	2016/02/23 14:47:30	ZEBRA: kernel_rtm_ipv4: 30.0.5.0/24: successfully did NH 192.168.2.1	49 2016/02/23 02:28:54 ZEBRA: rib_unlink: 30.0.5.0/24 vrf 0: rn 0x802106880, rib 0x802107c00
113	2016/02/23 14:47:30	ZEBRA: rib_process: 30.0.5.0/24 vrf 0: Deleting fib 0x8020e7a00, rn 0x802104740	50 2016/02/23 02:28:54 ZEBRA: rib_process: 30.0.5.0/24 vrf 0: Updating existing route, select 0x802107080, fib 0x802107080
114	2016/02/23 14:47:30	ZEBRA: rib_unlink: 30.0.5.0/24 vrf 0: rn 0x802104740, rib 0x8020e7a00	51 2016/02/23 02:28:54 ZEBRA: rib_process: 30.0.5.0/24 vrf 0: Updating existing route, select 0x802107080, fib 0x802107080
115	2016/02/23 14:47:30	ZEBRA: rib_gc_dest: 30.0.5.0/24 vrf 0: removing dest from table	
116	2016/02/23 14:47:30	ZEBRA: Kernel: Len: 192 Type: RTM_DELETE	
117	2016/02/23 14:47:30	ZEBRA: Kernel: GATEWAY DONE PROTO1	
118	2016/02/23 14:47:30	ZEBRA: Kernel: message seq 5	
119	2016/02/23 14:47:30	ZEBRA: Kernel: pid 36122, rtm_addrs 0x7	
120	2016/02/23 14:47:30	ZEBRA: rtm_read: got rtm of type 2 (RTM_DELETE)	
121	2016/02/23 14:47:30	ZEBRA: rtm_read: RTM_DELETE 30.0.5.0/24: done 0k	
122	2016/02/23 14:47:30	ZEBRA: rib_lookup_and_dump: lookup failed for 30.0.5.0/24	
123	2016/02/23 14:47:31	ZEBRA: Kernel: Len: 168 Type: RTM_MISS	
124	2016/02/23 14:47:31	ZEBRA: Kernel: DONE	
125	2016/02/23 14:47:31	ZEBRA: Kernel: message seq 0	
126	2016/02/23 14:47:31	ZEBRA: Kernel: pid 0, rtm_addrs 0x1	
127	2016/02/23 14:47:31	ZEBRA: Unprocessed RTM_type: 7	
128	2016/02/23 14:47:31	ZEBRA: Kernel: Len: 168 Type: RTM_MISS	
129	2016/02/23 14:47:31	ZEBRA: Kernel: DONE	
130	2016/02/23 14:47:31	ZEBRA: Kernel: message seq 0	
131	2016/02/23 14:47:31	ZEBRA: Kernel: pid 0, rtm_addrs 0x1	
132	2016/02/23 14:47:31	ZEBRA: Unprocessed RTM_type: 7	