RP/0/0/CPU0:PE1#show mpls forwarding fast-reroute detail

Thu Mar 21 15:27:30.678 PDT

^C

Local Outgoing Prefix Outgoing Next Hop Bytes

Label Label or ID Interface Switched

------ ----------- ------------------ ------------ --------------- ------------

24009 mLDP/IR: 0x00002 (0x00002)

Updated Mar 21 14:59:06.726

mLDP/IR LSM-ID: 0x00002, MDT: 0x40d0, Head LSM-ID: 0x00002

IPv4 Tableid: 0xe0000011, IPv6 Tableid: 0xe0800011

Flags:IP Lookup:set, Expnullv4:not-set, Expnullv6:not-set

Payload Type v4:not-set, Payload Type v6:not-set, l2vpn:not-set

Head:set, Tail:not-set, Bud:not-set, Peek:set, inclusive:not-set

Ingress Drop:not-set, Egress Drop:not-set

RPF-ID:0, Encap-ID:0

Disp-Tun:[ifh:0x0, label:-]

Platform Data [4]:

{ 3 0 0 0 }

mpls paths: 2, local mpls paths: 0, protected mpls paths: 0

24007 mLDP/IR: 0x00002 (0x00002) \

192.168.0.2 0

Updated: Mar 21 14:57:13.163

My Nodeid:0x0

Interface Nodeids:

[ 0x10 - - - - - - - - - ]

Interface Handles:

[ 0x800300 - - - - - - - - - ]

Backup Interface Nodeids:

[ - - - - - - - - - - ]

Backup Interface Handles:

[ - - - - - - - - - - ]

via-label:24001, mpi-flags:0x0 tos\_masks:[ primary:0x0 backup:0x0]

Packets Switched: 0

**24001 mLDP/IR: 0x00002 (0x00002) \**

**192.168.0.3 0**

**Updated: Mar 21 14:59:06.726**

**My Nodeid:0x0**

**Interface Nodeids:**

**[ 0x10 - - - - - - - - - ]**

**Interface Handles:**

**[ 0x800300 - - - - - - - - - ]**

**Backup Interface Nodeids:**

**[ - - - - - - - - - - ]**

**Backup Interface Handles:**

**[ - - - - - - - - - - ]**

via-label:24002, mpi-flags:0x0 tos\_masks:[ primary:0x0 backup:0x0]

Packets Switched: 0

RP/0/0/CPU0:PE1#

RP/0/0/CPU0:PE1#

kpoint 1, fib\_ext\_client\_route\_path\_get\_hashed\_path\_info (ecd\_info=0x9d3c7b8, **local\_label=24001**, igp\_path=0xffd0b7f8)

at fib/common/src/fib\_ext\_client\_route.c:509

509 uint8\_t path\_cnt = 0, protected\_cnt = 0;

(gdb) n

511 uint8\_t arr\_path[FIB\_UPDATE\_MSG\_MAX\_PATHS >> 1] = {0};

(gdb)

512 fib\_ecd\_route\_path\_st \*path = NULL;

(gdb)

513 bool is\_path\_protected[FIB\_UPDATE\_MSG\_MAX\_PATHS] = {FALSE};

(gdb)

516 fec\_route = (fib\_ecd\_route\_st \*)ecd\_info;

(gdb)

517 path\_cnt = fib\_upd\_msg\_decode\_route\_get\_path\_count(fec\_route);

(gdb) p fec\_route

$1 = (fib\_ecd\_route\_st \*) 0x9d3c7b8

**(gdb) p \*fec\_route**

**$2 = {cidl\_route = {\_fur\_prefix = {\_prefix\_length = 29082128, \_protocol = 570597656, \_ipv4\_address = 1085279515, \_ipv6\_address = {data = 0x150000,**

**size = 450887680}, \_mpls\_label = 204037, \_have\_prefix\_length = false, \_have\_protocol = false, \_have\_ipv4\_address = false,** \_have\_ipv6\_address = false,

\_have\_mpls\_label = false}, \_fur\_local\_label = 2156148744, \_fur\_version = 8074138440293253184, \_fur\_paths = 0x15000041, \_fur\_paths\_count = 3758096384,

\_fur\_flags = 35456282, \_fur\_flags2 = 805502976, \_fur\_flags\_extn = 3258451584, \_fur\_attribute\_id = 71303611, \_fur\_li\_type = 2155905064,

\_fur\_traffic\_index = 3221374977, \_fur\_precedence = 769, \_fur\_qppb = 843776, \_fur\_lbl\_nbrs = 0x80000, \_fur\_lbl\_nbrs\_count = 0,

\_fur\_mpls\_upd\_flags = 2831155200, \_fur\_ip\_tableid = 512, \_fur\_forward\_class = 0, \_fur\_priority = 0, \_fur\_flow\_tag = 2097152, \_fur\_route\_type = 0,

\_fur\_context\_local\_label = 0, \_fur\_prefix\_encap\_id = 4503601200300032, \_fur\_mpls\_te\_ifh = 19136512, \_fur\_mpls\_p2mp\_type = 0, \_fur\_mpls\_p2mp\_tableid = 0,

\_fur\_mpls\_p2mp\_flags = 0, \_fur\_mpls\_p2mp\_lsm\_id = 0, \_fur\_mpls\_p2mp\_v4\_tableid = 0, \_fur\_mpls\_p2mp\_v6\_tableid = 4456448, \_fur\_mpls\_p2mp\_tun\_id = 4456448,

\_fur\_mpls\_p2mp\_rpf\_id = 0, \_fur\_mpls\_p2mp\_lspvif\_ifh = 0, \_fur\_mpls\_p2mp\_plat\_data = {data = 0x0, size = 3239051264},

\_fur\_mpls\_p2mp\_vpls\_bridge\_id = 2753036731, \_fur\_mpls\_p2mp\_vpls\_shg\_id = 219881986, \_fur\_mpls\_p2mp\_vpls\_ifh = 16560, \_fur\_mpls\_p2mp\_vpls\_xc\_id = 21,

\_fur\_mpls\_p2mp\_encap\_id = 486873824, \_fur\_mpls\_p2mp\_disp\_ifh = 16777219, \_have\_fur\_prefix = false, \_have\_fur\_local\_label = false, \_have\_fur\_version = false,

\_have\_fur\_paths = false, \_have\_fur\_flags = true, \_have\_fur\_flags2 = true, \_have\_fur\_flags\_extn = false, \_have\_fur\_attribute\_id = false,

\_have\_fur\_li\_type = false, \_have\_fur\_traffic\_index = false, \_have\_fur\_precedence = false, \_have\_fur\_qppb = false, \_have\_fur\_lbl\_nbrs = false,

\_have\_fur\_mpls\_upd\_flags = false, \_have\_fur\_ip\_tableid = false, \_have\_fur\_forward\_class = true, \_have\_fur\_priority = false, \_have\_fur\_flow\_tag = false,

\_have\_fur\_route\_type = false, \_have\_fur\_context\_local\_label = true, \_have\_fur\_prefix\_encap\_id = false, \_have\_fur\_mpls\_te\_ifh = false,

\_have\_fur\_mpls\_p2mp\_type = false, \_have\_fur\_mpls\_p2mp\_tableid = false, \_have\_fur\_mpls\_p2mp\_flags = false, \_have\_fur\_mpls\_p2mp\_lsm\_id = false,

\_have\_fur\_mpls\_p2mp\_v4\_tableid = false, \_have\_fur\_mpls\_p2mp\_v6\_tableid = true, \_have\_fur\_mpls\_p2mp\_tun\_id = true, \_have\_fur\_mpls\_p2mp\_rpf\_id = true,

\_have\_fur\_mpls\_p2mp\_lspvif\_ifh = false, \_have\_fur\_mpls\_p2mp\_plat\_data = false, \_have\_fur\_mpls\_p2mp\_vpls\_bridge\_id = false,

\_have\_fur\_mpls\_p2mp\_vpls\_shg\_id = false, \_have\_fur\_mpls\_p2mp\_vpls\_ifh = false, \_have\_fur\_mpls\_p2mp\_vpls\_xc\_id = false, \_have\_fur\_mpls\_p2mp\_encap\_id = false,

\_have\_fur\_mpls\_p2mp\_disp\_ifh = false}, ctx\_storage = {ft = 0x14220101, user\_ctx = 0x41700d, fut\_eod\_version = 367852610188743936, fud\_table = 0x21d,

thrd\_ctxt = 0x6803003, fud\_global = 0x80808028, fut\_upd\_flags = 1 '\001', priority = 29360897, fut\_num\_entries = 3, fud\_tableid = 0,

fud\_proto = FIB\_PROTOCOL\_IPV4, fut\_route\_source = FIB\_INVALID\_ROUTE, force\_process\_as\_delete = 0, flush\_opaques = 0, low\_prio\_upds = 0, update\_stats = {

fib\_rhs\_update = 0, fib\_rhs\_delete = 0, fib\_rhs\_del\_resolved = 0, fib\_rhs\_spl\_opq = 0, fib\_rhs\_ltrace\_filter = 0}}, c = {fudr\_dynamic\_gpb\_buf = 0x0,

fudr\_ctx = {fudr\_c\_nhinfo = 0x0, fudr\_c\_glean\_nhinfo = 0x0, fudr\_c\_update\_rc = 0}, update\_ms\_ts = 0, furd\_path\_count = 0 '\000',

furd\_lbl\_nbr\_count = 0 '\000', fudt\_ctx = 0x0, fudr\_table = 0x0, fudr\_tableid = 0, cidl\_decoded = 0 '\000', any\_path\_is\_labeled = 0 '\000',

any\_path\_is\_unlabeled = 0 '\000', at\_least\_one\_path\_has\_multiple\_labels = 0 '\000', any\_path\_is\_subscriber = 0 '\000', route\_from\_stale\_rt\_src = 0 '\000',

route\_delete\_is\_purging\_stale\_route = 0 '\000', any\_path\_has\_nhid = 0 '\000', any\_path\_has\_srv6 = 0 '\000', route\_is\_srv6\_local\_sid = 0 '\000'}, o = {

cidl\_msg = 0x0, cidl\_msg\_size = 0, fur\_mpls\_p2mp\_plat\_data = '\000' <repeats 255 times>, furd\_paths = {{cidl\_path = 0x0, out\_labels = 0x0,

fudp\_p2mp\_locale = {cidl\_p2mp\_locale = 0x0}, fudp\_p2mp\_tos\_locale = {{cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {

cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {

cidl\_p2mp\_locale = 0x0}}, fudp\_p2mp\_tos\_locale\_count = 0 '\000', fudp\_next\_hop\_tableid = 0, fupd\_next\_hop = {fpfx\_proto = 0, fpfx\_len = 0,

fpfx\_prefix = 0x0}, fupd\_p\_node\_addr = {fpfx\_proto = 0, fpfx\_len = 0, fpfx\_prefix = 0x0}, fupd\_q\_node\_addr = {fpfx\_proto = 0, fpfx\_len = 0,

fpfx\_prefix = 0x0}, fupd\_li\_backup\_next\_hop = {fpfx\_proto = 0, fpfx\_len = 0, fpfx\_prefix = 0x0}, \_fupd\_next\_hop\_buf = {

buf = '\000' <repeats 19 times>}, \_fupd\_p\_node\_addr\_buf = {buf = '\000' <repeats 15 times>}, \_fupd\_q\_node\_addr\_buf = {

buf = '\000' <repeats 15 times>}, \_fupd\_li\_backup\_next\_hop\_buf = {buf = '\000' <repeats 19 times>}, \_fudp\_output\_label = 0, fudp\_nhid = 0,

out\_label\_flags = {(unknown: 0), (unknown: 0), (unknown: 0), (unknown: 0), (unknown: 0), (unknown: 0), (unknown: 0), (unknown: 0), (unknown: 0),

(unknown: 0)}, fudp\_path\_idx = 0 '\000', out\_label\_count = 0 '\000', fupd\_nnh = 0x0, fupd\_nnh\_count = 0 '\000', resolve\_to\_drop = 0 '\000',

srv6\_sid\_cnt = 0 '\000', fupd\_srv6\_sid = {\_\_u6\_addr = {\_\_u6\_addr8 = '\000' <repeats 15 times>, \_\_u6\_addr16 = {0, 0, 0, 0, 0, 0, 0, 0}, \_\_u6\_addr32 = {0,

0, 0, 0}, \_\_u6\_addr64 = {0, 0}}}, fupd\_srv6\_sid\_stack = 0x0} <repeats 128 times>}, furd\_lbl\_nbrs = {{cidl\_lbl\_nbr = 0x0, fulnd\_nbr\_addr = {

fpfx\_proto = 0, fpfx\_len = 0, fpfx\_prefix = 0x0}, \_fulnd\_nbr\_addr\_buf = {buf = '\000' <repeats 19 times>}} <repeats 32 times>},

fudr\_route\_source = FIB\_INVALID\_ROUTE, fudr\_label\_source = FIB\_INVALID\_ROUTE, fudr\_prefix = {fpfx\_proto = 0, fpfx\_len = 0, fpfx\_prefix = 0x0},

\_fudr\_prefix\_buf = {buf = '\000' <repeats 19 times>}, fudr\_upd\_flags = 0, fudr\_local\_label = 0, fudr\_context\_local\_label = 0,

low\_prio\_upds\_valid = 0 '\000'}}

(gdb) p /x \*fec\_route

$3 = {cidl\_route = {\_fur\_prefix = {\_prefix\_length = 0x1bbc210, \_protocol = 0x2202a118, \_ipv4\_address = 0x40b00d1b, \_ipv6\_address = {data = 0x150000,

size = 0x1ae00000}, \_mpls\_label = 0x31d05, \_have\_prefix\_length = 0x0, \_have\_protocol = 0x0, \_have\_ipv4\_address = 0x0, \_have\_ipv6\_address = 0x0,

\_have\_mpls\_label = 0x0}, \_fur\_local\_label = 0x80843808, \_fur\_version = 0x700d1a2201018040, \_fur\_paths = 0x15000041, \_fur\_paths\_count = 0xe0000000,

\_fur\_flags = 0x21d051a, \_fur\_flags2 = 0x30030000, \_fur\_flags\_extn = 0xc2380680, \_fur\_attribute\_id = 0x44001bb, \_fur\_li\_type = 0x80808028,

\_fur\_traffic\_index = 0xc0024801, \_fur\_precedence = 0x301, \_fur\_qppb = 0xce000, \_fur\_lbl\_nbrs = 0x80000, \_fur\_lbl\_nbrs\_count = 0x0,

\_fur\_mpls\_upd\_flags = 0xa8c00000, \_fur\_ip\_tableid = 0x200, \_fur\_forward\_class = 0x0, \_fur\_priority = 0x0, \_fur\_flow\_tag = 0x200000, \_fur\_route\_type = 0x0,

\_fur\_context\_local\_label = 0x0, \_fur\_prefix\_encap\_id = 0x1000005dc10000, \_fur\_mpls\_te\_ifh = 0x1240000, \_fur\_mpls\_p2mp\_type = 0x0,

\_fur\_mpls\_p2mp\_tableid = 0x0, \_fur\_mpls\_p2mp\_flags = 0x0, \_fur\_mpls\_p2mp\_lsm\_id = 0x0, \_fur\_mpls\_p2mp\_v4\_tableid = 0x0,

\_fur\_mpls\_p2mp\_v6\_tableid = 0x440000, \_fur\_mpls\_p2mp\_tun\_id = 0x440000, \_fur\_mpls\_p2mp\_rpf\_id = 0x0, \_fur\_mpls\_p2mp\_lspvif\_ifh = 0x0,

\_fur\_mpls\_p2mp\_plat\_data = {data = 0x0, size = 0xc1100000}, \_fur\_mpls\_p2mp\_vpls\_bridge\_id = 0xa41801bb, \_fur\_mpls\_p2mp\_vpls\_shg\_id = 0xd1b2202,

\_fur\_mpls\_p2mp\_vpls\_ifh = 0x40b0, \_fur\_mpls\_p2mp\_vpls\_xc\_id = 0x15, \_fur\_mpls\_p2mp\_encap\_id = 0x1d051ae0, \_fur\_mpls\_p2mp\_disp\_ifh = 0x1000003,

\_have\_fur\_prefix = 0x0, \_have\_fur\_local\_label = 0x0, \_have\_fur\_version = 0x0, \_have\_fur\_paths = 0x0, \_have\_fur\_flags = 0x1, \_have\_fur\_flags2 = 0x1,

\_have\_fur\_flags\_extn = 0x0, \_have\_fur\_attribute\_id = 0x0, \_have\_fur\_li\_type = 0x0, \_have\_fur\_traffic\_index = 0x0, \_have\_fur\_precedence = 0x0,

\_have\_fur\_qppb = 0x0, \_have\_fur\_lbl\_nbrs = 0x0, \_have\_fur\_mpls\_upd\_flags = 0x0, \_have\_fur\_ip\_tableid = 0x0, \_have\_fur\_forward\_class = 0x1,

\_have\_fur\_priority = 0x0, \_have\_fur\_flow\_tag = 0x0, \_have\_fur\_route\_type = 0x0, \_have\_fur\_context\_local\_label = 0x1, \_have\_fur\_prefix\_encap\_id = 0x0,

\_have\_fur\_mpls\_te\_ifh = 0x0, \_have\_fur\_mpls\_p2mp\_type = 0x0, \_have\_fur\_mpls\_p2mp\_tableid = 0x0, \_have\_fur\_mpls\_p2mp\_flags = 0x0,

\_have\_fur\_mpls\_p2mp\_lsm\_id = 0x0, \_have\_fur\_mpls\_p2mp\_v4\_tableid = 0x0, \_have\_fur\_mpls\_p2mp\_v6\_tableid = 0x1, \_have\_fur\_mpls\_p2mp\_tun\_id = 0x1,

\_have\_fur\_mpls\_p2mp\_rpf\_id = 0x1, \_have\_fur\_mpls\_p2mp\_lspvif\_ifh = 0x0, \_have\_fur\_mpls\_p2mp\_plat\_data = 0x0, \_have\_fur\_mpls\_p2mp\_vpls\_bridge\_id = 0x0,

\_have\_fur\_mpls\_p2mp\_vpls\_shg\_id = 0x0, \_have\_fur\_mpls\_p2mp\_vpls\_ifh = 0x0, \_have\_fur\_mpls\_p2mp\_vpls\_xc\_id = 0x0, \_have\_fur\_mpls\_p2mp\_encap\_id = 0x0,

\_have\_fur\_mpls\_p2mp\_disp\_ifh = 0x0}, ctx\_storage = {ft = 0x14220101, user\_ctx = 0x41700d, fut\_eod\_version = 0x51ae00000001500, fud\_table = 0x21d,

thrd\_ctxt = 0x6803003, fud\_global = 0x80808028, fut\_upd\_flags = 0x1, priority = 0x1c00301, fut\_num\_entries = 0x3, fud\_tableid = 0x0, fud\_proto = 0x0,

fut\_route\_source = 0x0, force\_process\_as\_delete = 0x0, flush\_opaques = 0x0, low\_prio\_upds = 0x0, update\_stats = {fib\_rhs\_update = 0x0, fib\_rhs\_delete = 0x0,

fib\_rhs\_del\_resolved = 0x0, fib\_rhs\_spl\_opq = 0x0, fib\_rhs\_ltrace\_filter = 0x0}}, c = {fudr\_dynamic\_gpb\_buf = 0x0, fudr\_ctx = {fudr\_c\_nhinfo = 0x0,

fudr\_c\_glean\_nhinfo = 0x0, fudr\_c\_update\_rc = 0x0}, update\_ms\_ts = 0x0, furd\_path\_count = 0x0, furd\_lbl\_nbr\_count = 0x0, fudt\_ctx = 0x0, fudr\_table = 0x0,

fudr\_tableid = 0x0, cidl\_decoded = 0x0, any\_path\_is\_labeled = 0x0, any\_path\_is\_unlabeled = 0x0, at\_least\_one\_path\_has\_multiple\_labels = 0x0,

any\_path\_is\_subscriber = 0x0, route\_from\_stale\_rt\_src = 0x0, route\_delete\_is\_purging\_stale\_route = 0x0, any\_path\_has\_nhid = 0x0, any\_path\_has\_srv6 = 0x0,

route\_is\_srv6\_local\_sid = 0x0}, o = {cidl\_msg = 0x0, cidl\_msg\_size = 0x0, fur\_mpls\_p2mp\_plat\_data = {0x0 <repeats 256 times>}, furd\_paths = {{

cidl\_path = 0x0, out\_labels = 0x0, fudp\_p2mp\_locale = {cidl\_p2mp\_locale = 0x0}, fudp\_p2mp\_tos\_locale = {{cidl\_p2mp\_locale = 0x0}, {

cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {

cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}}, fudp\_p2mp\_tos\_locale\_count = 0x0, fudp\_next\_hop\_tableid = 0x0,

fupd\_next\_hop = {fpfx\_proto = 0x0, fpfx\_len = 0x0, fpfx\_prefix = 0x0}, fupd\_p\_node\_addr = {fpfx\_proto = 0x0, fpfx\_len = 0x0, fpfx\_prefix = 0x0},

fupd\_q\_node\_addr = {fpfx\_proto = 0x0, fpfx\_len = 0x0, fpfx\_prefix = 0x0}, fupd\_li\_backup\_next\_hop = {fpfx\_proto = 0x0, fpfx\_len = 0x0,

fpfx\_prefix = 0x0}, \_fupd\_next\_hop\_buf = {buf = {0x0 <repeats 20 times>}}, \_fupd\_p\_node\_addr\_buf = {buf = {0x0 <repeats 16 times>}},

\_fupd\_q\_node\_addr\_buf = {buf = {0x0 <repeats 16 times>}}, \_fupd\_li\_backup\_next\_hop\_buf = {buf = {0x0 <repeats 20 times>}}, \_fudp\_output\_label = 0x0,

fudp\_nhid = 0x0, out\_label\_flags = {0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0}, fudp\_path\_idx = 0x0, out\_label\_count = 0x0, fupd\_nnh = 0x0,

fupd\_nnh\_count = 0x0, resolve\_to\_drop = 0x0, srv6\_sid\_cnt = 0x0, fupd\_srv6\_sid = {\_\_u6\_addr = {\_\_u6\_addr8 = {0x0 <repeats 16 times>}, \_\_u6\_addr16 = {

0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0}, \_\_u6\_addr32 = {0x0, 0x0, 0x0, 0x0}, \_\_u6\_addr64 = {0x0, 0x0}}},

fupd\_srv6\_sid\_stack = 0x0} <repeats 128 times>}, furd\_lbl\_nbrs = {{cidl\_lbl\_nbr = 0x0, fulnd\_nbr\_addr = {fpfx\_proto = 0x0, fpfx\_len = 0x0,

fpfx\_prefix = 0x0}, \_fulnd\_nbr\_addr\_buf = {buf = {0x0 <repeats 20 times>}}} <repeats 32 times>}, fudr\_route\_source = 0x0, fudr\_label\_source = 0x0,

fudr\_prefix = {fpfx\_proto = 0x0, fpfx\_len = 0x0, fpfx\_prefix = 0x0}, \_fudr\_prefix\_buf = {buf = {0x0 <repeats 20 times>}}, fudr\_upd\_flags = 0x0,

fudr\_local\_label = 0x0, fudr\_context\_local\_label = 0x0, low\_prio\_upds\_valid = 0x0}}

(gdb) bt

#0 fib\_ext\_client\_route\_path\_get\_hashed\_path\_info (ecd\_info=0x9d3c7b8, local\_label=24001, igp\_path=0xffd0b7f8) at fib/common/src/fib\_ext\_client\_route.c:517

#1 0x081a5171 in mrib\_label\_nh\_regdb\_path\_changes (outinfo\_handle=0xe5ae79f8, old\_ecd\_info=0x9b71e60, new\_ecd\_info=0xffd0d0bc)

at ./ipv4/multicast/mrib/src/mrib\_label\_nh\_path\_selection.c:174

#2 0x081a568b in mrib\_label\_nh\_regdb\_leaf\_walk\_ft (regdb\_entry=0x9b71e28, ole\_type=MRIB\_REGDB\_OLE\_LMRIB\_IF, ole=0xe5ae79f8, arg=0xffd0d0bc)

at ./ipv4/multicast/mrib/src/mrib\_label\_nh\_path\_selection.c:316

#3 0x0816cdef in mrib\_regdb\_leaf\_walk (regdb\_entry=0x9b71e28, ole\_type=MRIB\_REGDB\_OLE\_LMRIB\_IF, f=0x81a555e <mrib\_label\_nh\_regdb\_leaf\_walk\_ft>, arg=0xffd0d0bc,

terminate\_on\_error=0) at ./ipv4/multicast/mrib/src/mrib\_regdb.c:611

#4 0x081a5941 in mrib\_label\_nh\_regdb\_mdf (regdb\_handle=0x9b71e28, ecd\_info=0xffd0d0bc) at ./ipv4/multicast/mrib/src/mrib\_label\_nh\_path\_selection.c:366

#5 0x0816c205 in mrib\_regdb\_operation (action=MRIB\_ACTION\_MODIFY, regdb\_key=0xffd0d0c4, new\_regdb=0, ecd\_info=0xffd0d0bc, regdb\_entry=0xffd0d0dc)

at ./ipv4/multicast/mrib/src/mrib\_regdb.c:251

#6 0x0816b3c9 in mrib\_fib\_notif\_handler (update\_data\_type=FEC\_UPDATE\_DATA\_REACH\_NOTIF, update\_data=0x9d3c758, update\_platf\_data=0x9d3c7b8)

at ./ipv4/multicast/mrib/src/mrib\_fib.c:979

#7 0xf73c87ce in fec\_event\_handler (evc=0xffd0d774, arg=0x9d3c698) at fib/common/src/fib\_ext\_client.c:515

#8 0xf775b7bf in \_event\_pulse\_handler (evc=0xffd0d774, amsg=0x82531e0 <mrib\_msg>, ap=0x0) at infra/infra/event\_manager/src/event\_async.c:398

#9 0xf77586ac in event\_dispatch (evc=0xffd0d774, ap=0x0) at infra/infra/event\_manager/src/event\_manager.c:795

#10 0x0805cf3e in main (argc=0, argv=0xffd0d898) at ./ipv4/multicast/mrib/src/mrib.c:2035

(gdb) p fec\_route

$4 = (fib\_ecd\_route\_st \*) 0x9d3c7b8

(gdb) f 7

#7 0xf73c87ce in fec\_event\_handler (evc=0xffd0d774, arg=0x9d3c698) at fib/common/src/fib\_ext\_client.c:515

515 conn\_ctx->fec\_notif\_func(FEC\_UPDATE\_DATA\_REACH\_NOTIF,

(gdb) l

510 FIB\_DBG\_LVL\_HI,"client reach notif\_func called for "

511 "client: %s (comp-id:%#x) proto:%d",

512 conn\_ctx->fec\_init\_data.feci\_name,

513 conn\_ctx->fec\_init\_data.feci\_component\_id,

514 PAMNA2FIB(conn\_ctx->fec\_init\_data.feci\_protocol));

515 conn\_ctx->fec\_notif\_func(FEC\_UPDATE\_DATA\_REACH\_NOTIF,

516 fecp\_pfx,

517 fecp\_pfx\_plat);

518 }

519 ii++;

(gdb) p fecp\_pfx\_plat

$5 = (void \*) 0x9d3c7b8

(gdb) p \*((fib\_prefix\_st \*)fecp\_pfx)

$6 = {fpfx\_proto = 0, fpfx\_len = 57344, fpfx\_prefix = 0xc}

(gdb) p /x \*((fib\_prefix\_st \*)fecp\_pfx)

$7 = {fpfx\_proto = 0x0, fpfx\_len = 0xe000, fpfx\_prefix = 0xc}

(gdb) p \*((fib\_prefix\_st \*)fecp\_pfx)

$8 = {fpfx\_proto = 0, fpfx\_len = 57344, fpfx\_prefix = 0xc}

(gdb) p \*((fib\_ext\_client\_prefix\_st \*)fecp\_pfx)

$9 = {fecp\_table\_id = 3758096384, fecp\_proto = PFI\_PAMNA\_PROTO\_IPV4, fecp\_interest = FEC\_REG\_MPLS\_ROUTE\_NOTIF, fecp\_ifh = 0,

fecp\_dst\_ip\_addr = "\300\250\000\003", '\000' <repeats 11 times>, **fecp\_mask\_len = 32, fecp\_lsm\_id = 0, fecp\_vialabel = 0, fecp\_local\_label = 24002,**

fecp\_internal\_flags = 16, fecp\_rt\_version = 289, fecp\_cookie = '\000' <repeats 15 times>, fecp\_context\_buf\_sz = 74, fecp\_context\_len = 74,

fecp\_sr\_pfx\_count = 0, fecp\_tc\_more\_updates = 0, fecp\_context = 0x9d3c7b8}

(gdb) p /x \*((fib\_ext\_client\_prefix\_st \*)fecp\_pfx)

$10 = {fecp\_table\_id = 0xe0000000, fecp\_proto = 0xc, fecp\_interest = 0x8, fecp\_ifh = 0x0, fecp\_dst\_ip\_addr = {0xc0, 0xa8, 0x0, 0x3, 0x0 <repeats 12 times>},

fecp\_mask\_len = 0x20, fecp\_lsm\_id = 0x0, fecp\_vialabel = 0x0, fecp\_local\_label = 0x5dc2, fecp\_internal\_flags = 0x10, fecp\_rt\_version = 0x121, fecp\_cookie = {

0x0 <repeats 16 times>}, fecp\_context\_buf\_sz = 0x4a, fecp\_context\_len = 0x4a, fecp\_sr\_pfx\_count = 0x0, fecp\_tc\_more\_updates = 0x0, fecp\_context = 0x9d3c7b8}

(gdb) p /x \*((fib\_ecd\_route\_st \*)fecp\_pfx\_plat)

$11 = {cidl\_route = {\_fur\_prefix = {\_prefix\_length = 0x1bbc210, \_protocol = 0x2202a118, \_ipv4\_address = 0x40b00d1b, \_ipv6\_address = {data = 0x150000,

size = 0x1ae00000}, \_mpls\_label = 0x31d05, \_have\_prefix\_length = 0x0, \_have\_protocol = 0x0, \_have\_ipv4\_address = 0x0, \_have\_ipv6\_address = 0x0,

\_have\_mpls\_label = 0x0}, \_fur\_local\_label = 0x80843808, \_fur\_version = 0x700d1a2201018040, \_fur\_paths = 0x15000041, \_fur\_paths\_count = 0xe0000000,

\_fur\_flags = 0x21d051a, \_fur\_flags2 = 0x30030000, \_fur\_flags\_extn = 0xc2380680, \_fur\_attribute\_id = 0x44001bb, \_fur\_li\_type = 0x80808028,

\_fur\_traffic\_index = 0xc0024801, \_fur\_precedence = 0x301, \_fur\_qppb = 0xce000, \_fur\_lbl\_nbrs = 0x80000, \_fur\_lbl\_nbrs\_count = 0x0,

\_fur\_mpls\_upd\_flags = 0xa8c00000, \_fur\_ip\_tableid = 0x200, \_fur\_forward\_class = 0x0, \_fur\_priority = 0x0, \_fur\_flow\_tag = 0x200000, \_fur\_route\_type = 0x0,

\_fur\_context\_local\_label = 0x0, \_fur\_prefix\_encap\_id = 0x1000005dc10000, \_fur\_mpls\_te\_ifh = 0x1240000, \_fur\_mpls\_p2mp\_type = 0x0,

\_fur\_mpls\_p2mp\_tableid = 0x0, \_fur\_mpls\_p2mp\_flags = 0x0, \_fur\_mpls\_p2mp\_lsm\_id = 0x0, \_fur\_mpls\_p2mp\_v4\_tableid = 0x0,

\_fur\_mpls\_p2mp\_v6\_tableid = 0x440000, \_fur\_mpls\_p2mp\_tun\_id = 0x440000, \_fur\_mpls\_p2mp\_rpf\_id = 0x0, \_fur\_mpls\_p2mp\_lspvif\_ifh = 0x0,

\_fur\_mpls\_p2mp\_plat\_data = {data = 0x0, size = 0xc1100000}, \_fur\_mpls\_p2mp\_vpls\_bridge\_id = 0xa41801bb, \_fur\_mpls\_p2mp\_vpls\_shg\_id = 0xd1b2202,

\_fur\_mpls\_p2mp\_vpls\_ifh = 0x40b0, \_fur\_mpls\_p2mp\_vpls\_xc\_id = 0x15, \_fur\_mpls\_p2mp\_encap\_id = 0x1d051ae0, \_fur\_mpls\_p2mp\_disp\_ifh = 0x1000003,

\_have\_fur\_prefix = 0x0, \_have\_fur\_local\_label = 0x0, \_have\_fur\_version = 0x0, \_have\_fur\_paths = 0x0, \_have\_fur\_flags = 0x1, \_have\_fur\_flags2 = 0x1,

\_have\_fur\_flags\_extn = 0x0, \_have\_fur\_attribute\_id = 0x0, \_have\_fur\_li\_type = 0x0, \_have\_fur\_traffic\_index = 0x0, \_have\_fur\_precedence = 0x0,

\_have\_fur\_qppb = 0x0, \_have\_fur\_lbl\_nbrs = 0x0, \_have\_fur\_mpls\_upd\_flags = 0x0, \_have\_fur\_ip\_tableid = 0x0, \_have\_fur\_forward\_class = 0x1,

\_have\_fur\_priority = 0x0, \_have\_fur\_flow\_tag = 0x0, \_have\_fur\_route\_type = 0x0, \_have\_fur\_context\_local\_label = 0x1, \_have\_fur\_prefix\_encap\_id = 0x0,

\_have\_fur\_mpls\_te\_ifh = 0x0, \_have\_fur\_mpls\_p2mp\_type = 0x0, \_have\_fur\_mpls\_p2mp\_tableid = 0x0, \_have\_fur\_mpls\_p2mp\_flags = 0x0,

\_have\_fur\_mpls\_p2mp\_lsm\_id = 0x0, \_have\_fur\_mpls\_p2mp\_v4\_tableid = 0x0, \_have\_fur\_mpls\_p2mp\_v6\_tableid = 0x1, \_have\_fur\_mpls\_p2mp\_tun\_id = 0x1,

\_have\_fur\_mpls\_p2mp\_rpf\_id = 0x1, \_have\_fur\_mpls\_p2mp\_lspvif\_ifh = 0x0, \_have\_fur\_mpls\_p2mp\_plat\_data = 0x0, \_have\_fur\_mpls\_p2mp\_vpls\_bridge\_id = 0x0,

\_have\_fur\_mpls\_p2mp\_vpls\_shg\_id = 0x0, \_have\_fur\_mpls\_p2mp\_vpls\_ifh = 0x0, \_have\_fur\_mpls\_p2mp\_vpls\_xc\_id = 0x0, \_have\_fur\_mpls\_p2mp\_encap\_id = 0x0,

\_have\_fur\_mpls\_p2mp\_disp\_ifh = 0x0}, ctx\_storage = {ft = 0x14220101, user\_ctx = 0x41700d, fut\_eod\_version = 0x51ae00000001500, fud\_table = 0x21d,

thrd\_ctxt = 0x6803003, fud\_global = 0x80808028, fut\_upd\_flags = 0x1, priority = 0x1c00301, fut\_num\_entries = 0x3, fud\_tableid = 0x0, fud\_proto = 0x0,

fut\_route\_source = 0x0, force\_process\_as\_delete = 0x0, flush\_opaques = 0x0, low\_prio\_upds = 0x0, update\_stats = {fib\_rhs\_update = 0x0, fib\_rhs\_delete = 0x0,

fib\_rhs\_del\_resolved = 0x0, fib\_rhs\_spl\_opq = 0x0, fib\_rhs\_ltrace\_filter = 0x0}}, c = {fudr\_dynamic\_gpb\_buf = 0x0, fudr\_ctx = {fudr\_c\_nhinfo = 0x0,

fudr\_c\_glean\_nhinfo = 0x0, fudr\_c\_update\_rc = 0x0}, update\_ms\_ts = 0x0, furd\_path\_count = 0x0, furd\_lbl\_nbr\_count = 0x0, fudt\_ctx = 0x0, fudr\_table = 0x0,

fudr\_tableid = 0x0, cidl\_decoded = 0x0, any\_path\_is\_labeled = 0x0, any\_path\_is\_unlabeled = 0x0, at\_least\_one\_path\_has\_multiple\_labels = 0x0,

any\_path\_is\_subscriber = 0x0, route\_from\_stale\_rt\_src = 0x0, route\_delete\_is\_purging\_stale\_route = 0x0, any\_path\_has\_nhid = 0x0, any\_path\_has\_srv6 = 0x0,

route\_is\_srv6\_local\_sid = 0x0}, o = {cidl\_msg = 0x0, cidl\_msg\_size = 0x0, fur\_mpls\_p2mp\_plat\_data = {0x0 <repeats 256 times>}, furd\_paths = {{

cidl\_path = 0x0, out\_labels = 0x0, fudp\_p2mp\_locale = {cidl\_p2mp\_locale = 0x0}, fudp\_p2mp\_tos\_locale = {{cidl\_p2mp\_locale = 0x0}, {

cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {

cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}}, fudp\_p2mp\_tos\_locale\_count = 0x0, fudp\_next\_hop\_tableid = 0x0,

fupd\_next\_hop = {fpfx\_proto = 0x0, fpfx\_len = 0x0, fpfx\_prefix = 0x0}, fupd\_p\_node\_addr = {fpfx\_proto = 0x0, fpfx\_len = 0x0, fpfx\_prefix = 0x0},

fupd\_q\_node\_addr = {fpfx\_proto = 0x0, fpfx\_len = 0x0, fpfx\_prefix = 0x0}, fupd\_li\_backup\_next\_hop = {fpfx\_proto = 0x0, fpfx\_len = 0x0,

fpfx\_prefix = 0x0}, \_fupd\_next\_hop\_buf = {buf = {0x0 <repeats 20 times>}}, \_fupd\_p\_node\_addr\_buf = {buf = {0x0 <repeats 16 times>}},

\_fupd\_q\_node\_addr\_buf = {buf = {0x0 <repeats 16 times>}}, \_fupd\_li\_backup\_next\_hop\_buf = {buf = {0x0 <repeats 20 times>}}, \_fudp\_output\_label = 0x0,

fudp\_nhid = 0x0, out\_label\_flags = {0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0}, fudp\_path\_idx = 0x0, out\_label\_count = 0x0, fupd\_nnh = 0x0,

fupd\_nnh\_count = 0x0, resolve\_to\_drop = 0x0, srv6\_sid\_cnt = 0x0, fupd\_srv6\_sid = {\_\_u6\_addr = {\_\_u6\_addr8 = {0x0 <repeats 16 times>}, \_\_u6\_addr16 = {

0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0}, \_\_u6\_addr32 = {0x0, 0x0, 0x0, 0x0}, \_\_u6\_addr64 = {0x0, 0x0}}},

fupd\_srv6\_sid\_stack = 0x0} <repeats 128 times>}, furd\_lbl\_nbrs = {{cidl\_lbl\_nbr = 0x0, fulnd\_nbr\_addr = {fpfx\_proto = 0x0, fpfx\_len = 0x0,

fpfx\_prefix = 0x0}, \_fulnd\_nbr\_addr\_buf = {buf = {0x0 <repeats 20 times>}}} <repeats 32 times>}, fudr\_route\_source = 0x0, fudr\_label\_source = 0x0,

fudr\_prefix = {fpfx\_proto = 0x0, fpfx\_len = 0x0, fpfx\_prefix = 0x0}, \_fudr\_prefix\_buf = {buf = {0x0 <repeats 20 times>}}, fudr\_upd\_flags = 0x0,

fudr\_local\_label = 0x0, fudr\_context\_local\_label = 0x0, low\_prio\_upds\_valid = 0x0}}

(gdb) p \*((fib\_ecd\_route\_st \*)fecp\_pfx\_plat)

$12 = {cidl\_route = {\_fur\_prefix = {\_prefix\_length = 29082128, \_protocol = 570597656, \_ipv4\_address = 1085279515, \_ipv6\_address = {data = 0x150000,

size = 450887680}, \_mpls\_label = 204037, \_have\_prefix\_length = false, \_have\_protocol = false, \_have\_ipv4\_address = false, \_have\_ipv6\_address = false,

\_have\_mpls\_label = false}, \_fur\_local\_label = 2156148744, \_fur\_version = 8074138440293253184, \_fur\_paths = 0x15000041, \_fur\_paths\_count = 3758096384,

\_fur\_flags = 35456282, \_fur\_flags2 = 805502976, \_fur\_flags\_extn = 3258451584, \_fur\_attribute\_id = 71303611, \_fur\_li\_type = 2155905064,

\_fur\_traffic\_index = 3221374977, \_fur\_precedence = 769, \_fur\_qppb = 843776, \_fur\_lbl\_nbrs = 0x80000, \_fur\_lbl\_nbrs\_count = 0,

\_fur\_mpls\_upd\_flags = 2831155200, \_fur\_ip\_tableid = 512, \_fur\_forward\_class = 0, \_fur\_priority = 0, \_fur\_flow\_tag = 2097152, \_fur\_route\_type = 0,

\_fur\_context\_local\_label = 0, \_fur\_prefix\_encap\_id = 4503601200300032, \_fur\_mpls\_te\_ifh = 19136512, \_fur\_mpls\_p2mp\_type = 0, \_fur\_mpls\_p2mp\_tableid = 0,

\_fur\_mpls\_p2mp\_flags = 0, \_fur\_mpls\_p2mp\_lsm\_id = 0, \_fur\_mpls\_p2mp\_v4\_tableid = 0, \_fur\_mpls\_p2mp\_v6\_tableid = 4456448, \_fur\_mpls\_p2mp\_tun\_id = 4456448,

\_fur\_mpls\_p2mp\_rpf\_id = 0, \_fur\_mpls\_p2mp\_lspvif\_ifh = 0, \_fur\_mpls\_p2mp\_plat\_data = {data = 0x0, size = 3239051264},

\_fur\_mpls\_p2mp\_vpls\_bridge\_id = 2753036731, \_fur\_mpls\_p2mp\_vpls\_shg\_id = 219881986, \_fur\_mpls\_p2mp\_vpls\_ifh = 16560, \_fur\_mpls\_p2mp\_vpls\_xc\_id = 21,

\_fur\_mpls\_p2mp\_encap\_id = 486873824, \_fur\_mpls\_p2mp\_disp\_ifh = 16777219, \_have\_fur\_prefix = false, \_have\_fur\_local\_label = false, \_have\_fur\_version = false,

\_have\_fur\_paths = false, \_have\_fur\_flags = true, \_have\_fur\_flags2 = true, \_have\_fur\_flags\_extn = false, \_have\_fur\_attribute\_id = false,

\_have\_fur\_li\_type = false, \_have\_fur\_traffic\_index = false, \_have\_fur\_precedence = false, \_have\_fur\_qppb = false, \_have\_fur\_lbl\_nbrs = false,

\_have\_fur\_mpls\_upd\_flags = false, \_have\_fur\_ip\_tableid = false, \_have\_fur\_forward\_class = true, \_have\_fur\_priority = false, \_have\_fur\_flow\_tag = false,

\_have\_fur\_route\_type = false, \_have\_fur\_context\_local\_label = true, \_have\_fur\_prefix\_encap\_id = false, \_have\_fur\_mpls\_te\_ifh = false,

\_have\_fur\_mpls\_p2mp\_type = false, \_have\_fur\_mpls\_p2mp\_tableid = false, \_have\_fur\_mpls\_p2mp\_flags = false, \_have\_fur\_mpls\_p2mp\_lsm\_id = false,

\_have\_fur\_mpls\_p2mp\_v4\_tableid = false, \_have\_fur\_mpls\_p2mp\_v6\_tableid = true, \_have\_fur\_mpls\_p2mp\_tun\_id = true, \_have\_fur\_mpls\_p2mp\_rpf\_id = true,

\_have\_fur\_mpls\_p2mp\_lspvif\_ifh = false, \_have\_fur\_mpls\_p2mp\_plat\_data = false, \_have\_fur\_mpls\_p2mp\_vpls\_bridge\_id = false,

\_have\_fur\_mpls\_p2mp\_vpls\_shg\_id = false, \_have\_fur\_mpls\_p2mp\_vpls\_ifh = false, \_have\_fur\_mpls\_p2mp\_vpls\_xc\_id = false, \_have\_fur\_mpls\_p2mp\_encap\_id = false,

\_have\_fur\_mpls\_p2mp\_disp\_ifh = false}, ctx\_storage = {ft = 0x14220101, user\_ctx = 0x41700d, fut\_eod\_version = 367852610188743936, fud\_table = 0x21d,

thrd\_ctxt = 0x6803003, fud\_global = 0x80808028, fut\_upd\_flags = 1 '\001', priority = 29360897, fut\_num\_entries = 3, fud\_tableid = 0,

fud\_proto = FIB\_PROTOCOL\_IPV4, fut\_route\_source = FIB\_INVALID\_ROUTE, force\_process\_as\_delete = 0, flush\_opaques = 0, low\_prio\_upds = 0, update\_stats = {

fib\_rhs\_update = 0, fib\_rhs\_delete = 0, fib\_rhs\_del\_resolved = 0, fib\_rhs\_spl\_opq = 0, fib\_rhs\_ltrace\_filter = 0}}, c = {fudr\_dynamic\_gpb\_buf = 0x0,

fudr\_ctx = {fudr\_c\_nhinfo = 0x0, fudr\_c\_glean\_nhinfo = 0x0, fudr\_c\_update\_rc = 0}, update\_ms\_ts = 0, furd\_path\_count = 0 '\000',

furd\_lbl\_nbr\_count = 0 '\000', fudt\_ctx = 0x0, fudr\_table = 0x0, fudr\_tableid = 0, cidl\_decoded = 0 '\000', any\_path\_is\_labeled = 0 '\000',

any\_path\_is\_unlabeled = 0 '\000', at\_least\_one\_path\_has\_multiple\_labels = 0 '\000', any\_path\_is\_subscriber = 0 '\000', route\_from\_stale\_rt\_src = 0 '\000',

route\_delete\_is\_purging\_stale\_route = 0 '\000', any\_path\_has\_nhid = 0 '\000', any\_path\_has\_srv6 = 0 '\000', route\_is\_srv6\_local\_sid = 0 '\000'}, o = {

cidl\_msg = 0x0, cidl\_msg\_size = 0, fur\_mpls\_p2mp\_plat\_data = '\000' <repeats 255 times>, furd\_paths = {{cidl\_path = 0x0, out\_labels = 0x0,

fudp\_p2mp\_locale = {cidl\_p2mp\_locale = 0x0}, fudp\_p2mp\_tos\_locale = {{cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {

cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {

cidl\_p2mp\_locale = 0x0}}, fudp\_p2mp\_tos\_locale\_count = 0 '\000', fudp\_next\_hop\_tableid = 0, fupd\_next\_hop = {fpfx\_proto = 0, fpfx\_len = 0,

fpfx\_prefix = 0x0}, fupd\_p\_node\_addr = {fpfx\_proto = 0, fpfx\_len = 0, fpfx\_prefix = 0x0}, fupd\_q\_node\_addr = {fpfx\_proto = 0, fpfx\_len = 0,

fpfx\_prefix = 0x0}, fupd\_li\_backup\_next\_hop = {fpfx\_proto = 0, fpfx\_len = 0, fpfx\_prefix = 0x0}, \_fupd\_next\_hop\_buf = {

buf = '\000' <repeats 19 times>}, \_fupd\_p\_node\_addr\_buf = {buf = '\000' <repeats 15 times>}, \_fupd\_q\_node\_addr\_buf = {

buf = '\000' <repeats 15 times>}, \_fupd\_li\_backup\_next\_hop\_buf = {buf = '\000' <repeats 19 times>}, \_fudp\_output\_label = 0, fudp\_nhid = 0,

out\_label\_flags = {(unknown: 0), (unknown: 0), (unknown: 0), (unknown: 0), (unknown: 0), (unknown: 0), (unknown: 0), (unknown: 0), (unknown: 0),

(unknown: 0)}, fudp\_path\_idx = 0 '\000', out\_label\_count = 0 '\000', fupd\_nnh = 0x0, fupd\_nnh\_count = 0 '\000', resolve\_to\_drop = 0 '\000',

srv6\_sid\_cnt = 0 '\000', fupd\_srv6\_sid = {\_\_u6\_addr = {\_\_u6\_addr8 = '\000' <repeats 15 times>, \_\_u6\_addr16 = {0, 0, 0, 0, 0, 0, 0, 0}, \_\_u6\_addr32 = {0,

0, 0, 0}, \_\_u6\_addr64 = {0, 0}}}, fupd\_srv6\_sid\_stack = 0x0} <repeats 128 times>}, furd\_lbl\_nbrs = {{cidl\_lbl\_nbr = 0x0, fulnd\_nbr\_addr = {

fpfx\_proto = 0, fpfx\_len = 0, fpfx\_prefix = 0x0}, \_fulnd\_nbr\_addr\_buf = {buf = '\000' <repeats 19 times>}} <repeats 32 times>},

fudr\_route\_source = FIB\_INVALID\_ROUTE, fudr\_label\_source = FIB\_INVALID\_ROUTE, fudr\_prefix = {fpfx\_proto = 0, fpfx\_len = 0, fpfx\_prefix = 0x0},

\_fudr\_prefix\_buf = {buf = '\000' <repeats 19 times>}, fudr\_upd\_flags = 0, fudr\_local\_label = 0, fudr\_context\_local\_label = 0,

low\_prio\_upds\_valid = 0 '\000'}}

(gdb) p /x \*((fib\_ecd\_route\_st \*)fecp\_pfx\_plat)

$13 = {cidl\_route = {\_fur\_prefix = {\_prefix\_length = 0x1bbc210, \_protocol = 0x2202a118, \_ipv4\_address = 0x40b00d1b, \_ipv6\_address = {data = 0x150000,

size = 0x1ae00000}, \_mpls\_label = 0x31d05, \_have\_prefix\_length = 0x0, \_have\_protocol = 0x0, \_have\_ipv4\_address = 0x0, \_have\_ipv6\_address = 0x0,

\_have\_mpls\_label = 0x0}, \_fur\_local\_label = 0x80843808, \_fur\_version = 0x700d1a2201018040, \_fur\_paths = 0x15000041, \_fur\_paths\_count = 0xe0000000,

\_fur\_flags = 0x21d051a, \_fur\_flags2 = 0x30030000, \_fur\_flags\_extn = 0xc2380680, \_fur\_attribute\_id = 0x44001bb, \_fur\_li\_type = 0x80808028,

\_fur\_traffic\_index = 0xc0024801, \_fur\_precedence = 0x301, \_fur\_qppb = 0xce000, \_fur\_lbl\_nbrs = 0x80000, \_fur\_lbl\_nbrs\_count = 0x0,

\_fur\_mpls\_upd\_flags = 0xa8c00000, \_fur\_ip\_tableid = 0x200, \_fur\_forward\_class = 0x0, \_fur\_priority = 0x0, \_fur\_flow\_tag = 0x200000, \_fur\_route\_type = 0x0,

\_fur\_context\_local\_label = 0x0, \_fur\_prefix\_encap\_id = 0x1000005dc10000, \_fur\_mpls\_te\_ifh = 0x1240000, \_fur\_mpls\_p2mp\_type = 0x0,

\_fur\_mpls\_p2mp\_tableid = 0x0, \_fur\_mpls\_p2mp\_flags = 0x0, \_fur\_mpls\_p2mp\_lsm\_id = 0x0, \_fur\_mpls\_p2mp\_v4\_tableid = 0x0,

\_fur\_mpls\_p2mp\_v6\_tableid = 0x440000, \_fur\_mpls\_p2mp\_tun\_id = 0x440000, \_fur\_mpls\_p2mp\_rpf\_id = 0x0, \_fur\_mpls\_p2mp\_lspvif\_ifh = 0x0,

\_fur\_mpls\_p2mp\_plat\_data = {data = 0x0, size = 0xc1100000}, \_fur\_mpls\_p2mp\_vpls\_bridge\_id = 0xa41801bb, \_fur\_mpls\_p2mp\_vpls\_shg\_id = 0xd1b2202,

\_fur\_mpls\_p2mp\_vpls\_ifh = 0x40b0, \_fur\_mpls\_p2mp\_vpls\_xc\_id = 0x15, \_fur\_mpls\_p2mp\_encap\_id = 0x1d051ae0, \_fur\_mpls\_p2mp\_disp\_ifh = 0x1000003,

\_have\_fur\_prefix = 0x0, \_have\_fur\_local\_label = 0x0, \_have\_fur\_version = 0x0, \_have\_fur\_paths = 0x0, \_have\_fur\_flags = 0x1, \_have\_fur\_flags2 = 0x1,

\_have\_fur\_flags\_extn = 0x0, \_have\_fur\_attribute\_id = 0x0, \_have\_fur\_li\_type = 0x0, \_have\_fur\_traffic\_index = 0x0, \_have\_fur\_precedence = 0x0,

\_have\_fur\_qppb = 0x0, \_have\_fur\_lbl\_nbrs = 0x0, \_have\_fur\_mpls\_upd\_flags = 0x0, \_have\_fur\_ip\_tableid = 0x0, \_have\_fur\_forward\_class = 0x1,

\_have\_fur\_priority = 0x0, \_have\_fur\_flow\_tag = 0x0, \_have\_fur\_route\_type = 0x0, \_have\_fur\_context\_local\_label = 0x1, \_have\_fur\_prefix\_encap\_id = 0x0,

\_have\_fur\_mpls\_te\_ifh = 0x0, \_have\_fur\_mpls\_p2mp\_type = 0x0, \_have\_fur\_mpls\_p2mp\_tableid = 0x0, \_have\_fur\_mpls\_p2mp\_flags = 0x0,

\_have\_fur\_mpls\_p2mp\_lsm\_id = 0x0, \_have\_fur\_mpls\_p2mp\_v4\_tableid = 0x0, \_have\_fur\_mpls\_p2mp\_v6\_tableid = 0x1, \_have\_fur\_mpls\_p2mp\_tun\_id = 0x1,

\_have\_fur\_mpls\_p2mp\_rpf\_id = 0x1, \_have\_fur\_mpls\_p2mp\_lspvif\_ifh = 0x0, \_have\_fur\_mpls\_p2mp\_plat\_data = 0x0, \_have\_fur\_mpls\_p2mp\_vpls\_bridge\_id = 0x0,

\_have\_fur\_mpls\_p2mp\_vpls\_shg\_id = 0x0, \_have\_fur\_mpls\_p2mp\_vpls\_ifh = 0x0, \_have\_fur\_mpls\_p2mp\_vpls\_xc\_id = 0x0, \_have\_fur\_mpls\_p2mp\_encap\_id = 0x0,

\_have\_fur\_mpls\_p2mp\_disp\_ifh = 0x0}, ctx\_storage = {ft = 0x14220101, user\_ctx = 0x41700d, fut\_eod\_version = 0x51ae00000001500, fud\_table = 0x21d,

thrd\_ctxt = 0x6803003, fud\_global = 0x80808028, fut\_upd\_flags = 0x1, priority = 0x1c00301, fut\_num\_entries = 0x3, fud\_tableid = 0x0, fud\_proto = 0x0,

fut\_route\_source = 0x0, force\_process\_as\_delete = 0x0, flush\_opaques = 0x0, low\_prio\_upds = 0x0, update\_stats = {fib\_rhs\_update = 0x0, fib\_rhs\_delete = 0x0,

fib\_rhs\_del\_resolved = 0x0, fib\_rhs\_spl\_opq = 0x0, fib\_rhs\_ltrace\_filter = 0x0}}, c = {fudr\_dynamic\_gpb\_buf = 0x0, fudr\_ctx = {fudr\_c\_nhinfo = 0x0,

fudr\_c\_glean\_nhinfo = 0x0, fudr\_c\_update\_rc = 0x0}, update\_ms\_ts = 0x0, furd\_path\_count = 0x0, furd\_lbl\_nbr\_count = 0x0, fudt\_ctx = 0x0, fudr\_table = 0x0,

fudr\_tableid = 0x0, cidl\_decoded = 0x0, any\_path\_is\_labeled = 0x0, any\_path\_is\_unlabeled = 0x0, at\_least\_one\_path\_has\_multiple\_labels = 0x0,

any\_path\_is\_subscriber = 0x0, route\_from\_stale\_rt\_src = 0x0, route\_delete\_is\_purging\_stale\_route = 0x0, any\_path\_has\_nhid = 0x0, any\_path\_has\_srv6 = 0x0,

route\_is\_srv6\_local\_sid = 0x0}, o = {cidl\_msg = 0x0, cidl\_msg\_size = 0x0, fur\_mpls\_p2mp\_plat\_data = {0x0 <repeats 256 times>}, furd\_paths = {{

cidl\_path = 0x0, out\_labels = 0x0, fudp\_p2mp\_locale = {cidl\_p2mp\_locale = 0x0}, fudp\_p2mp\_tos\_locale = {{cidl\_p2mp\_locale = 0x0}, {

cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {

cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}}, fudp\_p2mp\_tos\_locale\_count = 0x0, fudp\_next\_hop\_tableid = 0x0,

fupd\_next\_hop = {fpfx\_proto = 0x0, fpfx\_len = 0x0, fpfx\_prefix = 0x0}, fupd\_p\_node\_addr = {fpfx\_proto = 0x0, fpfx\_len = 0x0, fpfx\_prefix = 0x0},

fupd\_q\_node\_addr = {fpfx\_proto = 0x0, fpfx\_len = 0x0, fpfx\_prefix = 0x0}, fupd\_li\_backup\_next\_hop = {fpfx\_proto = 0x0, fpfx\_len = 0x0,

fpfx\_prefix = 0x0}, \_fupd\_next\_hop\_buf = {buf = {0x0 <repeats 20 times>}}, \_fupd\_p\_node\_addr\_buf = {buf = {0x0 <repeats 16 times>}},

\_fupd\_q\_node\_addr\_buf = {buf = {0x0 <repeats 16 times>}}, \_fupd\_li\_backup\_next\_hop\_buf = {buf = {0x0 <repeats 20 times>}}, \_fudp\_output\_label = 0x0,

fudp\_nhid = 0x0, out\_label\_flags = {0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0}, fudp\_path\_idx = 0x0, out\_label\_count = 0x0, fupd\_nnh = 0x0,

fupd\_nnh\_count = 0x0, resolve\_to\_drop = 0x0, srv6\_sid\_cnt = 0x0, fupd\_srv6\_sid = {\_\_u6\_addr = {\_\_u6\_addr8 = {0x0 <repeats 16 times>}, \_\_u6\_addr16 = {

0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0}, \_\_u6\_addr32 = {0x0, 0x0, 0x0, 0x0}, \_\_u6\_addr64 = {0x0, 0x0}}},

fupd\_srv6\_sid\_stack = 0x0} <repeats 128 times>}, furd\_lbl\_nbrs = {{cidl\_lbl\_nbr = 0x0, fulnd\_nbr\_addr = {fpfx\_proto = 0x0, fpfx\_len = 0x0,

fpfx\_prefix = 0x0}, \_fulnd\_nbr\_addr\_buf = {buf = {0x0 <repeats 20 times>}}} <repeats 32 times>}, fudr\_route\_source = 0x0, fudr\_label\_source = 0x0,

fudr\_prefix = {fpfx\_proto = 0x0, fpfx\_len = 0x0, fpfx\_prefix = 0x0}, \_fudr\_prefix\_buf = {buf = {0x0 <repeats 20 times>}}, fudr\_upd\_flags = 0x0,

fudr\_local\_label = 0x0, fudr\_context\_local\_label = 0x0, low\_prio\_upds\_valid = 0x0}}

(gdb) p /x \*((fib\_upd\_msg\_encode\_route\_t \*)fecp\_pfx\_plat)

$14 = {fue\_buf = 0x1bbc210, cidl\_route = {\_fur\_prefix = {\_prefix\_length = 0x2202a118, \_protocol = 0x40b00d1b, \_ipv4\_address = 0x150000, \_ipv6\_address = {

data = 0x1ae00000, size = 0x31d05}, \_mpls\_label = 0x80300100, \_have\_prefix\_length = 0x0, \_have\_protocol = 0x0, \_have\_ipv4\_address = 0x0,

\_have\_ipv6\_address = 0x1, \_have\_mpls\_label = 0x0}, \_fur\_local\_label = 0x1018040, \_fur\_version = 0x15000041700d1a22, \_fur\_paths = 0xe0000000,

\_fur\_paths\_count = 0x21d051a, \_fur\_flags = 0x30030000, \_fur\_flags2 = 0xc2380680, \_fur\_flags\_extn = 0x44001bb, \_fur\_attribute\_id = 0x80808028,

\_fur\_li\_type = 0xc0024801, \_fur\_traffic\_index = 0x301, \_fur\_precedence = 0xce000, \_fur\_qppb = 0x80000, \_fur\_lbl\_nbrs = 0x0,

\_fur\_lbl\_nbrs\_count = 0xa8c00000, \_fur\_mpls\_upd\_flags = 0x200, \_fur\_ip\_tableid = 0x0, \_fur\_forward\_class = 0x0, \_fur\_priority = 0x200000,

\_fur\_flow\_tag = 0x0, \_fur\_route\_type = 0x0, \_fur\_context\_local\_label = 0x5dc10000, \_fur\_prefix\_encap\_id = 0x124000000100000, \_fur\_mpls\_te\_ifh = 0x0,

\_fur\_mpls\_p2mp\_type = 0x0, \_fur\_mpls\_p2mp\_tableid = 0x0, \_fur\_mpls\_p2mp\_flags = 0x0, \_fur\_mpls\_p2mp\_lsm\_id = 0x0, \_fur\_mpls\_p2mp\_v4\_tableid = 0x440000,

\_fur\_mpls\_p2mp\_v6\_tableid = 0x440000, \_fur\_mpls\_p2mp\_tun\_id = 0x0, \_fur\_mpls\_p2mp\_rpf\_id = 0x0, \_fur\_mpls\_p2mp\_lspvif\_ifh = 0x0, \_fur\_mpls\_p2mp\_plat\_data = {

data = 0xc1100000, size = 0xa41801bb}, \_fur\_mpls\_p2mp\_vpls\_bridge\_id = 0xd1b2202, \_fur\_mpls\_p2mp\_vpls\_shg\_id = 0x40b0, \_fur\_mpls\_p2mp\_vpls\_ifh = 0x15,

\_fur\_mpls\_p2mp\_vpls\_xc\_id = 0x1d051ae0, \_fur\_mpls\_p2mp\_encap\_id = 0x1000003, \_fur\_mpls\_p2mp\_disp\_ifh = 0x38088030, \_have\_fur\_prefix = 0x0,

\_have\_fur\_local\_label = 0x0, \_have\_fur\_version = 0x0, \_have\_fur\_paths = 0x0, \_have\_fur\_flags = 0x0, \_have\_fur\_flags2 = 0x0, \_have\_fur\_flags\_extn = 0x1,

\_have\_fur\_attribute\_id = 0x1, \_have\_fur\_li\_type = 0x1, \_have\_fur\_traffic\_index = 0x1, \_have\_fur\_precedence = 0x0, \_have\_fur\_qppb = 0x1,

\_have\_fur\_lbl\_nbrs = 0x1, \_have\_fur\_mpls\_upd\_flags = 0x1, \_have\_fur\_ip\_tableid = 0x0, \_have\_fur\_forward\_class = 0x1, \_have\_fur\_priority = 0x1,

\_have\_fur\_flow\_tag = 0x0, \_have\_fur\_route\_type = 0x0, \_have\_fur\_context\_local\_label = 0x0, \_have\_fur\_prefix\_encap\_id = 0x0, \_have\_fur\_mpls\_te\_ifh = 0x0,

\_have\_fur\_mpls\_p2mp\_type = 0x0, \_have\_fur\_mpls\_p2mp\_tableid = 0x0, \_have\_fur\_mpls\_p2mp\_flags = 0x0, \_have\_fur\_mpls\_p2mp\_lsm\_id = 0x0,

\_have\_fur\_mpls\_p2mp\_v4\_tableid = 0x0, \_have\_fur\_mpls\_p2mp\_v6\_tableid = 0x0, \_have\_fur\_mpls\_p2mp\_tun\_id = 0x0, \_have\_fur\_mpls\_p2mp\_rpf\_id = 0x0,

\_have\_fur\_mpls\_p2mp\_lspvif\_ifh = 0x0, \_have\_fur\_mpls\_p2mp\_plat\_data = 0x1, \_have\_fur\_mpls\_p2mp\_vpls\_bridge\_id = 0x1, \_have\_fur\_mpls\_p2mp\_vpls\_shg\_id = 0x0,

\_have\_fur\_mpls\_p2mp\_vpls\_ifh = 0x0, \_have\_fur\_mpls\_p2mp\_vpls\_xc\_id = 0x0, \_have\_fur\_mpls\_p2mp\_encap\_id = 0x0, \_have\_fur\_mpls\_p2mp\_disp\_ifh = 0x0},

cidl\_paths = {{\_fup\_ifh = 0x41700d, \_fup\_next\_hop\_tableid = 0x1500, \_fup\_next\_hop = {\_prefix\_length = 0x51ae000, \_protocol = 0x21d, \_ipv4\_address = 0x6803003,

\_ipv6\_address = {data = 0x80808028, size = 0xc0024801}, \_mpls\_label = 0x1c00301, \_have\_prefix\_length = 0x1, \_have\_protocol = 0x1,

\_have\_ipv4\_address = 0x0, \_have\_ipv6\_address = 0x0, \_have\_mpls\_label = 0x0}, \_fup\_weight = 0x0, \_fup\_nhid = 0x0, \_fup\_flags = 0x0, \_fup\_out\_label = 0x0,

\_fup\_out\_label\_stack = 0x0, \_fup\_out\_label\_stack\_count = 0x0, \_fup\_out\_label\_and\_li\_flags = 0x0, \_fup\_out\_label\_flags = 0x0,

\_fup\_out\_label\_flags\_count = 0x0, \_fup\_srv6\_end\_oper = 0x0, \_fup\_srv6\_transit\_oper = 0x0, \_fup\_srv6\_sid\_stack = 0x0, \_fup\_srv6\_sid\_stack\_count = 0x0,

\_fup\_backup\_path\_index = 0x0, \_fup\_recursion\_len = 0x0, \_fup\_p\_node\_addr = {\_prefix\_length = 0x0, \_protocol = 0x0, \_ipv4\_address = 0x0, \_ipv6\_address = {

data = 0x0, size = 0x0}, \_mpls\_label = 0x0, \_have\_prefix\_length = 0x0, \_have\_protocol = 0x0, \_have\_ipv4\_address = 0x0, \_have\_ipv6\_address = 0x0,

\_have\_mpls\_label = 0x0}, \_fup\_q\_node\_addr = {\_prefix\_length = 0x0, \_protocol = 0x0, \_ipv4\_address = 0x0, \_ipv6\_address = {data = 0x0, size = 0x0},

\_mpls\_label = 0x0, \_have\_prefix\_length = 0x0, \_have\_protocol = 0x0, \_have\_ipv4\_address = 0x0, \_have\_ipv6\_address = 0x0, \_have\_mpls\_label = 0x0},

\_fup\_subs\_ifh = 0x0, \_fup\_l2\_subs\_xc\_id = 0x0, \_fup\_encap\_id = 0x0, \_fup\_parent\_ifh = 0x0, \_fup\_intf\_list = 0x0, \_fup\_tunnel\_id = 0x0,

\_fup\_tunnel\_class = 0x0, \_fup\_via\_label = 0x0, \_fup\_li\_app\_id = 0x0, \_fup\_li\_tun\_ifh = 0x0, \_fup\_li\_tun\_weight = 0x0, \_fup\_li\_merge\_point\_label = 0x0,

\_fup\_li\_backup\_ifh = 0x0, \_fup\_li\_parent\_ifh = 0x0, \_fup\_li\_backup\_next\_hop = {\_prefix\_length = 0x0, \_protocol = 0x0, \_ipv4\_address = 0x0,

\_ipv6\_address = {data = 0x0, size = 0x0}, \_mpls\_label = 0x0, \_have\_prefix\_length = 0x0, \_have\_protocol = 0x0, \_have\_ipv4\_address = 0x0,

\_have\_ipv6\_address = 0x0, \_have\_mpls\_label = 0x0}, \_fup\_li\_tun\_lcl\_label = 0x0, \_fup\_li\_backup\_local\_label = 0x0, \_fup\_li\_pw\_bridge\_id = 0x0,

\_fup\_li\_pw\_shg\_id = 0x0, \_fup\_li\_pw\_xc\_id = 0x0, \_fup\_li\_flags\_extn = 0x0, \_fup\_li\_subs\_tableid = 0x0, \_fup\_li\_pwhe\_ifh = 0x0, \_fup\_li\_pwhe\_cw = 0x0,

\_fup\_li\_pwhe\_vc\_type = 0x0, \_fup\_li\_mcast\_id = 0x0, \_fup\_li\_p2mp\_locale = {\_fupl\_intf\_fapid = 0x0, \_fupl\_backup\_intf\_fapid = 0x0,

\_fupl\_intf\_member\_ifh = 0x0, \_fupl\_backup\_intf\_member\_ifh = 0x0, \_have\_fupl\_intf\_fapid = 0x0, \_have\_fupl\_backup\_intf\_fapid = 0x0,

\_have\_fupl\_intf\_member\_ifh = 0x0, \_have\_fupl\_backup\_intf\_member\_ifh = 0x0}, \_fup\_li\_p2mp\_tos\_locale = 0x0, \_fup\_li\_p2mp\_tos\_locale\_count = 0x0,

\_fup\_nnh = 0x0, \_fup\_nnh\_count = 0x0, \_have\_fup\_ifh = 0x0, \_have\_fup\_next\_hop\_tableid = 0x0, \_have\_fup\_next\_hop = 0x0, \_have\_fup\_weight = 0x0,

\_have\_fup\_nhid = 0x0, \_have\_fup\_flags = 0x0, \_have\_fup\_out\_label = 0x0, \_have\_fup\_out\_label\_stack = 0x0, \_have\_fup\_out\_label\_and\_li\_flags = 0x0,

\_have\_fup\_out\_label\_flags = 0x0, \_have\_fup\_srv6\_end\_oper = 0x0, \_have\_fup\_srv6\_transit\_oper = 0x0, \_have\_fup\_srv6\_sid\_stack = 0x0,

\_have\_fup\_backup\_path\_index = 0x0, \_have\_fup\_recursion\_len = 0x0, \_have\_fup\_p\_node\_addr = 0x0, \_have\_fup\_q\_node\_addr = 0x0, \_have\_fup\_subs\_ifh = 0x0,

\_have\_fup\_l2\_subs\_xc\_id = 0x0, \_have\_fup\_encap\_id = 0x0, \_have\_fup\_parent\_ifh = 0x0, \_have\_fup\_intf\_list = 0x0, \_have\_fup\_tunnel\_id = 0x0,

\_have\_fup\_tunnel\_class = 0x0, \_have\_fup\_via\_label = 0x0, \_have\_fup\_li\_app\_id = 0x0, \_have\_fup\_li\_tun\_ifh = 0x0, \_have\_fup\_li\_tun\_weight = 0x0,

\_have\_fup\_li\_merge\_point\_label = 0x0, \_have\_fup\_li\_backup\_ifh = 0x0, \_have\_fup\_li\_parent\_ifh = 0x0, \_have\_fup\_li\_backup\_next\_hop = 0x0,

\_have\_fup\_li\_tun\_lcl\_label = 0x0, \_have\_fup\_li\_backup\_local\_label = 0x0, \_have\_fup\_li\_pw\_bridge\_id = 0x0, \_have\_fup\_li\_pw\_shg\_id = 0x0,

---Type <return> to continue, or q <return> to quit---q

\_have\_fup\_li\_pw\_xc\_iQuit

(gdb) p /x \*((fib\_upd\_msg\_decode\_route\_t \*)fecp\_pfx\_plat)

$15 = {cidl\_route = {\_fur\_prefix = {\_prefix\_length = 0x1bbc210, \_protocol = 0x2202a118, \_ipv4\_address = 0x40b00d1b, \_ipv6\_address = {data = 0x150000,

size = 0x1ae00000}, \_mpls\_label = 0x31d05, \_have\_prefix\_length = 0x0, \_have\_protocol = 0x0, \_have\_ipv4\_address = 0x0, \_have\_ipv6\_address = 0x0,

\_have\_mpls\_label = 0x0}, \_fur\_local\_label = 0x80843808, \_fur\_version = 0x700d1a2201018040, \_fur\_paths = 0x15000041, \_fur\_paths\_count = 0xe0000000,

\_fur\_flags = 0x21d051a, \_fur\_flags2 = 0x30030000, \_fur\_flags\_extn = 0xc2380680, \_fur\_attribute\_id = 0x44001bb, \_fur\_li\_type = 0x80808028,

\_fur\_traffic\_index = 0xc0024801, \_fur\_precedence = 0x301, \_fur\_qppb = 0xce000, \_fur\_lbl\_nbrs = 0x80000, \_fur\_lbl\_nbrs\_count = 0x0,

\_fur\_mpls\_upd\_flags = 0xa8c00000, \_fur\_ip\_tableid = 0x200, \_fur\_forward\_class = 0x0, \_fur\_priority = 0x0, \_fur\_flow\_tag = 0x200000, \_fur\_route\_type = 0x0,

\_fur\_context\_local\_label = 0x0, \_fur\_prefix\_encap\_id = 0x1000005dc10000, \_fur\_mpls\_te\_ifh = 0x1240000, \_fur\_mpls\_p2mp\_type = 0x0,

\_fur\_mpls\_p2mp\_tableid = 0x0, \_fur\_mpls\_p2mp\_flags = 0x0, \_fur\_mpls\_p2mp\_lsm\_id = 0x0, \_fur\_mpls\_p2mp\_v4\_tableid = 0x0,

\_fur\_mpls\_p2mp\_v6\_tableid = 0x440000, \_fur\_mpls\_p2mp\_tun\_id = 0x440000, \_fur\_mpls\_p2mp\_rpf\_id = 0x0, \_fur\_mpls\_p2mp\_lspvif\_ifh = 0x0,

\_fur\_mpls\_p2mp\_plat\_data = {data = 0x0, size = 0xc1100000}, \_fur\_mpls\_p2mp\_vpls\_bridge\_id = 0xa41801bb, \_fur\_mpls\_p2mp\_vpls\_shg\_id = 0xd1b2202,

\_fur\_mpls\_p2mp\_vpls\_ifh = 0x40b0, \_fur\_mpls\_p2mp\_vpls\_xc\_id = 0x15, \_fur\_mpls\_p2mp\_encap\_id = 0x1d051ae0, \_fur\_mpls\_p2mp\_disp\_ifh = 0x1000003,

\_have\_fur\_prefix = 0x0, \_have\_fur\_local\_label = 0x0, \_have\_fur\_version = 0x0, \_have\_fur\_paths = 0x0, \_have\_fur\_flags = 0x1, \_have\_fur\_flags2 = 0x1,

\_have\_fur\_flags\_extn = 0x0, \_have\_fur\_attribute\_id = 0x0, \_have\_fur\_li\_type = 0x0, \_have\_fur\_traffic\_index = 0x0, \_have\_fur\_precedence = 0x0,

\_have\_fur\_qppb = 0x0, \_have\_fur\_lbl\_nbrs = 0x0, \_have\_fur\_mpls\_upd\_flags = 0x0, \_have\_fur\_ip\_tableid = 0x0, \_have\_fur\_forward\_class = 0x1,

\_have\_fur\_priority = 0x0, \_have\_fur\_flow\_tag = 0x0, \_have\_fur\_route\_type = 0x0, \_have\_fur\_context\_local\_label = 0x1, \_have\_fur\_prefix\_encap\_id = 0x0,

\_have\_fur\_mpls\_te\_ifh = 0x0, \_have\_fur\_mpls\_p2mp\_type = 0x0, \_have\_fur\_mpls\_p2mp\_tableid = 0x0, \_have\_fur\_mpls\_p2mp\_flags = 0x0,

\_have\_fur\_mpls\_p2mp\_lsm\_id = 0x0, \_have\_fur\_mpls\_p2mp\_v4\_tableid = 0x0, \_have\_fur\_mpls\_p2mp\_v6\_tableid = 0x1, \_have\_fur\_mpls\_p2mp\_tun\_id = 0x1,

\_have\_fur\_mpls\_p2mp\_rpf\_id = 0x1, \_have\_fur\_mpls\_p2mp\_lspvif\_ifh = 0x0, \_have\_fur\_mpls\_p2mp\_plat\_data = 0x0, \_have\_fur\_mpls\_p2mp\_vpls\_bridge\_id = 0x0,

\_have\_fur\_mpls\_p2mp\_vpls\_shg\_id = 0x0, \_have\_fur\_mpls\_p2mp\_vpls\_ifh = 0x0, \_have\_fur\_mpls\_p2mp\_vpls\_xc\_id = 0x0, \_have\_fur\_mpls\_p2mp\_encap\_id = 0x0,

\_have\_fur\_mpls\_p2mp\_disp\_ifh = 0x0}, ctx\_storage = {ft = 0x14220101, user\_ctx = 0x41700d, fut\_eod\_version = 0x51ae00000001500, fud\_table = 0x21d,

thrd\_ctxt = 0x6803003, fud\_global = 0x80808028, fut\_upd\_flags = 0x1, priority = 0x1c00301, fut\_num\_entries = 0x3, fud\_tableid = 0x0, fud\_proto = 0x0,

fut\_route\_source = 0x0, force\_process\_as\_delete = 0x0, flush\_opaques = 0x0, low\_prio\_upds = 0x0, update\_stats = {fib\_rhs\_update = 0x0, fib\_rhs\_delete = 0x0,

fib\_rhs\_del\_resolved = 0x0, fib\_rhs\_spl\_opq = 0x0, fib\_rhs\_ltrace\_filter = 0x0}}, c = {fudr\_dynamic\_gpb\_buf = 0x0, fudr\_ctx = {fudr\_c\_nhinfo = 0x0,

fudr\_c\_glean\_nhinfo = 0x0, fudr\_c\_update\_rc = 0x0}, update\_ms\_ts = 0x0, furd\_path\_count = 0x0, furd\_lbl\_nbr\_count = 0x0, fudt\_ctx = 0x0, fudr\_table = 0x0,

fudr\_tableid = 0x0, cidl\_decoded = 0x0, any\_path\_is\_labeled = 0x0, any\_path\_is\_unlabeled = 0x0, at\_least\_one\_path\_has\_multiple\_labels = 0x0,

any\_path\_is\_subscriber = 0x0, route\_from\_stale\_rt\_src = 0x0, route\_delete\_is\_purging\_stale\_route = 0x0, any\_path\_has\_nhid = 0x0, any\_path\_has\_srv6 = 0x0,

route\_is\_srv6\_local\_sid = 0x0}, o = {cidl\_msg = 0x0, cidl\_msg\_size = 0x0, fur\_mpls\_p2mp\_plat\_data = {0x0 <repeats 256 times>}, furd\_paths = {{

cidl\_path = 0x0, out\_labels = 0x0, fudp\_p2mp\_locale = {cidl\_p2mp\_locale = 0x0}, fudp\_p2mp\_tos\_locale = {{cidl\_p2mp\_locale = 0x0}, {

cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {

cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}, {cidl\_p2mp\_locale = 0x0}}, fudp\_p2mp\_tos\_locale\_count = 0x0, fudp\_next\_hop\_tableid = 0x0,

fupd\_next\_hop = {fpfx\_proto = 0x0, fpfx\_len = 0x0, fpfx\_prefix = 0x0}, fupd\_p\_node\_addr = {fpfx\_proto = 0x0, fpfx\_len = 0x0, fpfx\_prefix = 0x0},

fupd\_q\_node\_addr = {fpfx\_proto = 0x0, fpfx\_len = 0x0, fpfx\_prefix = 0x0}, fupd\_li\_backup\_next\_hop = {fpfx\_proto = 0x0, fpfx\_len = 0x0,

fpfx\_prefix = 0x0}, \_fupd\_next\_hop\_buf = {buf = {0x0 <repeats 20 times>}}, \_fupd\_p\_node\_addr\_buf = {buf = {0x0 <repeats 16 times>}},

\_fupd\_q\_node\_addr\_buf = {buf = {0x0 <repeats 16 times>}}, \_fupd\_li\_backup\_next\_hop\_buf = {buf = {0x0 <repeats 20 times>}}, \_fudp\_output\_label = 0x0,

fudp\_nhid = 0x0, out\_label\_flags = {0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0}, fudp\_path\_idx = 0x0, out\_label\_count = 0x0, fupd\_nnh = 0x0,

fupd\_nnh\_count = 0x0, resolve\_to\_drop = 0x0, srv6\_sid\_cnt = 0x0, fupd\_srv6\_sid = {\_\_u6\_addr = {\_\_u6\_addr8 = {0x0 <repeats 16 times>}, \_\_u6\_addr16 = {

0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0}, \_\_u6\_addr32 = {0x0, 0x0, 0x0, 0x0}, \_\_u6\_addr64 = {0x0, 0x0}}},

fupd\_srv6\_sid\_stack = 0x0} <repeats 128 times>}, furd\_lbl\_nbrs = {{cidl\_lbl\_nbr = 0x0, fulnd\_nbr\_addr = {fpfx\_proto = 0x0, fpfx\_len = 0x0,

fpfx\_prefix = 0x0}, \_fulnd\_nbr\_addr\_buf = {buf = {0x0 <repeats 20 times>}}} <repeats 32 times>}, fudr\_route\_source = 0x0, fudr\_label\_source = 0x0,

fudr\_prefix = {fpfx\_proto = 0x0, fpfx\_len = 0x0, fpfx\_prefix = 0x0}, \_fudr\_prefix\_buf = {buf = {0x0 <repeats 20 times>}}, fudr\_upd\_flags = 0x0,

fudr\_local\_label = 0x0, fudr\_context\_local\_label = 0x0, low\_prio\_upds\_valid = 0x0}}

(gdb) p fecp\_pfx\_plat

$16 = (void \*) 0x9d3c7b8

(gdb) p \*((char \*)(fecp\_pfx\_plat) + 100)

$17 = 0 '\000'

(gdb) p/b fecp\_pfx\_plat

Size letters are meaningless in "print" command.

(gdb) p /b fecp\_pfx\_plat

Size letters are meaningless in "print" command.

(gdb) p \*((char \*)(fecp\_pfx\_plat) + 100)

$18 = 0 '\000'

(gdb) p \*((char \*)(fecp\_pfx\_plat) + 101)

$19 = 0 '\000'

(gdb) x/100bx fecp\_pfx\_plat

0x9d3c7b8: 0x10 0xc2 0xbb 0x01 0x18 0xa1 0x02 0x22

0x9d3c7c0: 0x1b 0x0d 0xb0 0x40 0x00 0x00 0x15 0x00

0x9d3c7c8: 0x00 0x00 0xe0 0x1a 0x05 0x1d 0x03 0x00

0x9d3c7d0: 0x00 0x01 0x30 0x80 0x08 0x38 0x84 0x80

0x9d3c7d8: 0x40 0x80 0x01 0x01 0x22 0x1a 0x0d 0x70

0x9d3c7e0: 0x41 0x00 0x00 0x15 0x00 0x00 0x00 0xe0

0x9d3c7e8: 0x1a 0x05 0x1d 0x02 0x00 0x00 0x03 0x30

0x9d3c7f0: 0x80 0x06 0x38 0xc2 0xbb 0x01 0x40 0x04

0x9d3c7f8: 0x28 0x80 0x80 0x80 0x01 0x48 0x02 0xc0

0x9d3c800: 0x01 0x03 0x00 0x00 0x00 0xe0 0x0c 0x00

0x9d3c808: 0x00 0x00 0x08 0x00 0x00 0x00 0x00 0x00

0x9d3c810: 0x00 0x00 0xc0 0xa8 0x00 0x02 0x00 0x00

0x9d3c818: 0x00 0x00 0x00 0x00

(gdb)