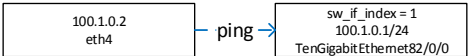


FIB

Michael
2017

Show IP FIB

VPP16.09



```
DBGvpp# show ip fib
Table 0, fib_index 0, flow hash: src dst sport dport proto
  Destination      Packets      Bytes      Adjacency
100.1.0.0/24        0              0 0 weight 1, index 3
                               100.1.0.1/24
100.1.0.1/32       71931      7049238 0 weight 1, index 4
                               100.1.0.1/24
100.1.0.2/32        0              0 0 weight 1, index 7
                               TenGigabitEthernet82/0/0
                               IP4: 90:e2:ba:84:45:b2 -> 90:e2:ba:84:1c:3a
101.1.0.0/24        0              0 0 weight 1, index 5
                               101.1.0.1/24
101.1.0.1/32        0              0 0 weight 1, index 6
                               101.1.0.1/24
DBGvpp#
```

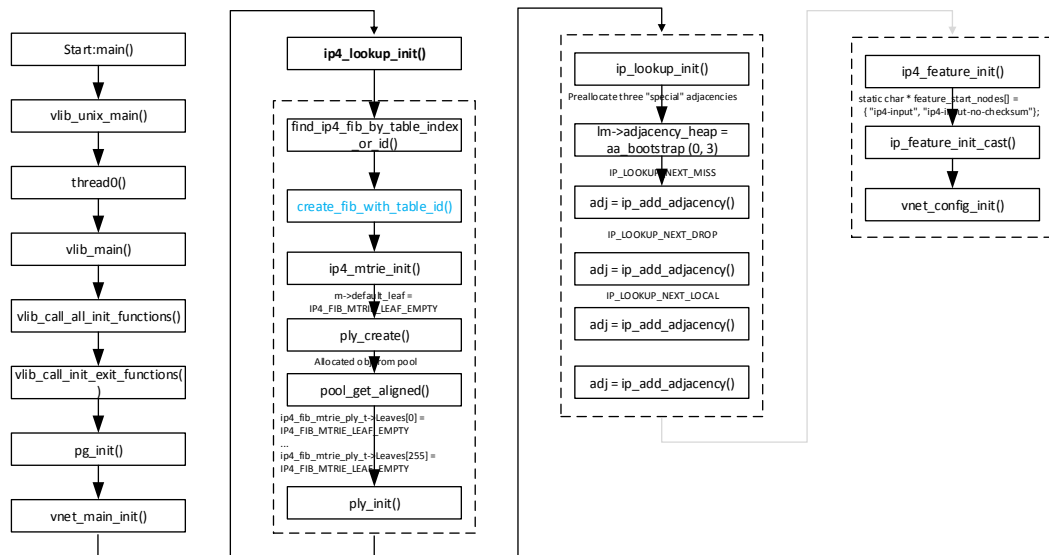
Note!
Complete rework of Forwarding Information Base (FIB) in 17.01

Table 4 *Adjacency Types for Exception Processing*

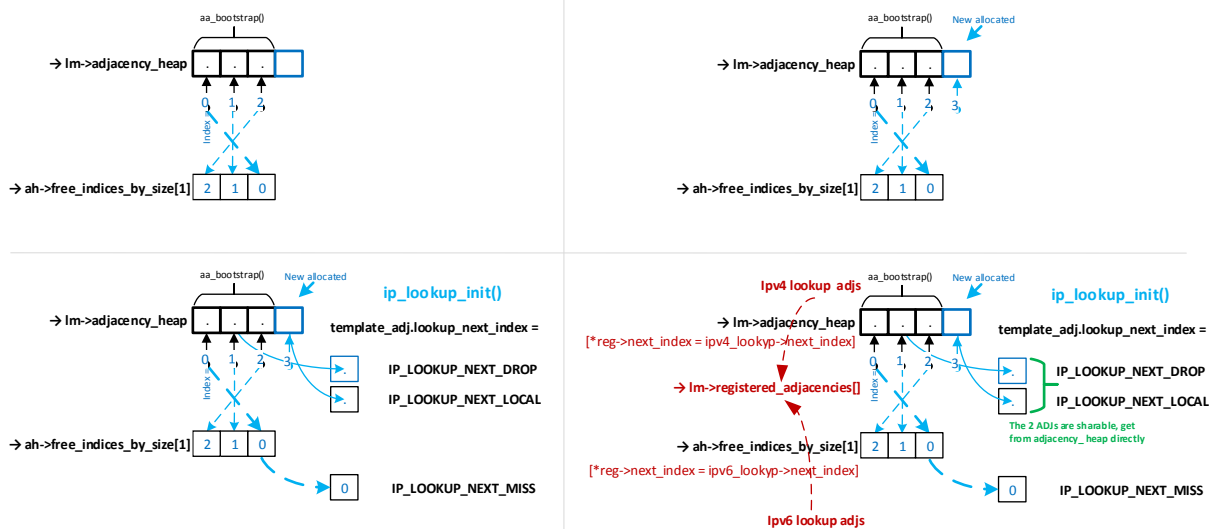
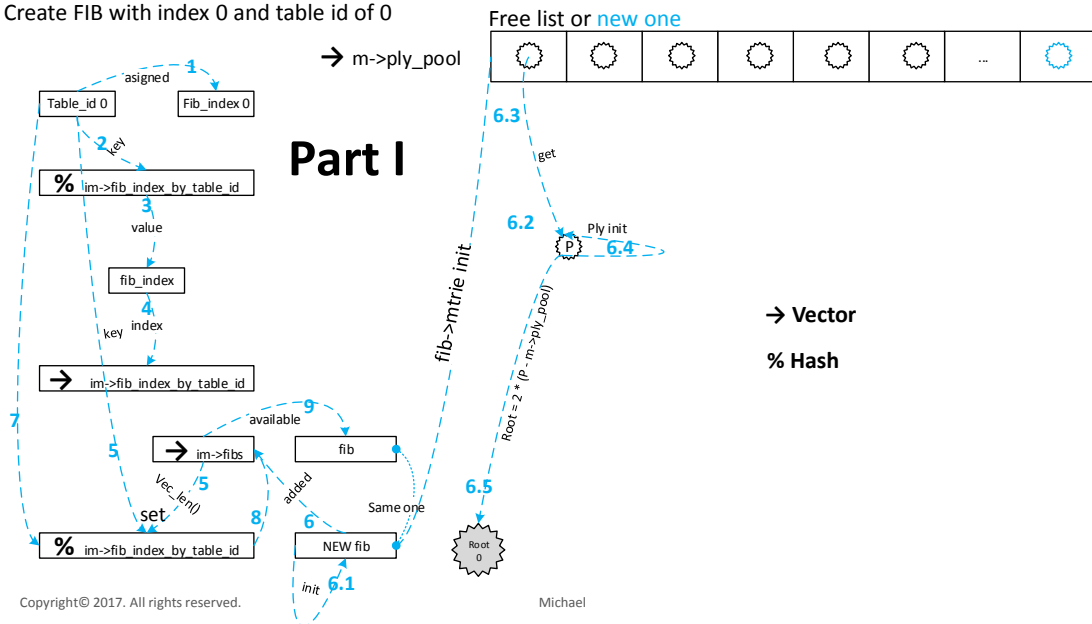
This adjacency type...	Receives this processing...
Null adjacency	Packets destined for a Null0 interface are dropped. This can be used as an effective form of access filtering.
Glean adjacency	When a router is connected directly to several hosts, the FIB table on the router maintains a prefix for the subnet rather than for the individual host prefixes. The subnet prefix points to a glean adjacency. When packets need to be forwarded to a specific host, the adjacency database is gleaned for the specific prefix.
Punt adjacency	Features that require special handling or features that are not yet supported in conjunction with CEF switching paths are forwarded to the next switching layer for handling. Features that are not supported are forwarded to the next higher switching level.
Discard adjacency	Packets are discarded.
Drop adjacency	Packets are dropped, but the prefix is checked.

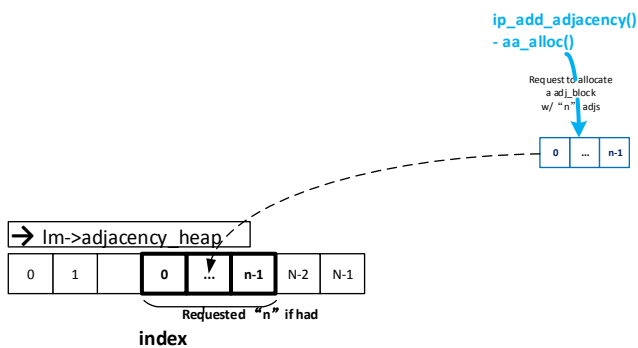
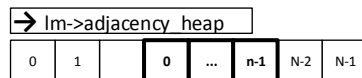
http://www.cisco.com/c/en/us/td/docs/ios/12_2/switch/configuration/guide/fswtch_c/xcfcf.html

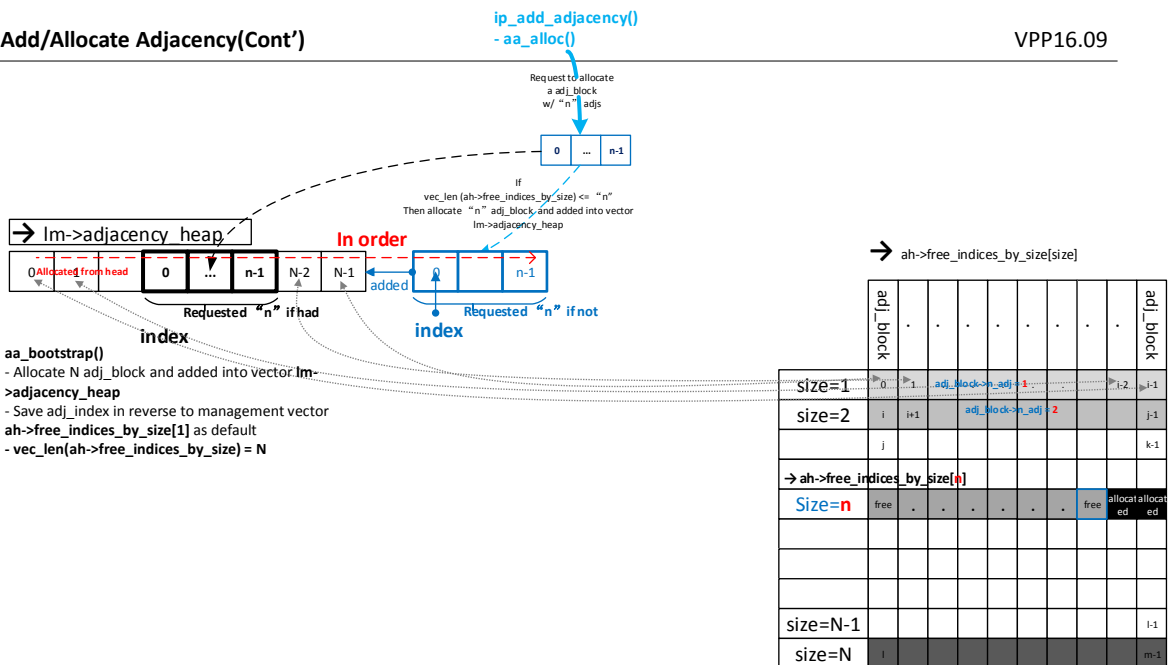
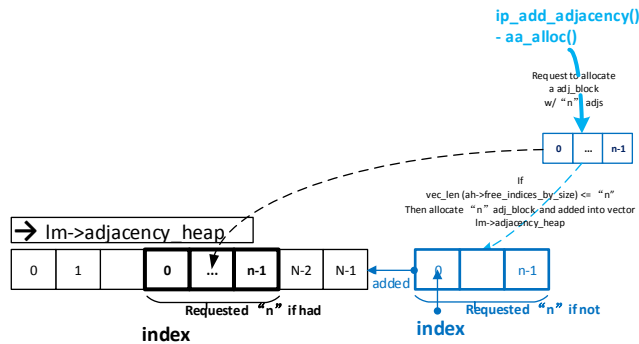
Flowchart



Create FIB with index 0 and table id of 0







VPP16.09



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