

DragonFlyBSD - Bug #2051

No ipv6 lan route entry created on 2.10

04/21/2011 10:37 AM - ftigeot

Status:	New	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
System is a LAN/Internet gateway, which has been recently updated to 2.10			
- the em0 interface is dedicated to the LAN.			
- Internet is reachable from a tun0 interface (pppoe on xl0)			
uname -a output: DragonFly pizza.zefyris.com 2.10-RELEASE DragonFly v2.10.0.3.g216c0-RELEASE #0: Wed Apr 20 11:01:37 CEST 2011 ftigeot@pizza.zefyris.com :/usr/obj/usr/src/sys/GENERIC_SMP i386			
Contrary to 2.8, no IPv6 lan routing entry is created on boot if I try to ping6 a local machine, the datagrams are sent to the Internet (default route)			
netstat -nrf output: http://pastebin.com/2md2mZDk			
#			
Internet6:			
#			
Destination	Gateway	Flags	Netif
Expire			
#			
::/96	fe80::218:74ff:feb4:ac1b%tun0	UGRSc	tun0
=>			
#			
default	fe80::218:74ff:feb4:ac1b%tun0	UGSc	tun0
#			
::1	::1	UH	lo0
#			
::ffff:0.0.0.0/96	::1	UGRSc	lo0
#			
2001:7a8:bd07:2::253	00:0e:0c:a1:aa:7b	UHL	lo0
#			
2001:7a8:bd07:2:219:d1ff:fe81:e03	00:19:d1:81:0e:03	UHL	em0
#			
fe80::/10	::1	UGRSc	lo0
#			
fe80::%em0/64	link#1	UC	em0
#			
fe80::20e:cff:fea1:aa7b%em0	00:0e:0c:a1:aa:7b	UHL	lo0
#			
fe80::%xl0/64	link#2	UC	xl0
#			

```

fe80::204:76ff:fe2:b4a2%x10  00:04:76:f2:b4:a2      UHL    lo0
#
fe80::20e:cff:fea1:aa7b%faith0  link#3      UHL    lo0
#
fe80::%lo0/64                fe80::1%lo0      Uc     lo0
#
fe80::1%lo0                  link#4        UHL    lo0
#
fe80::20e:cff:fea1:aa7b%tun0  link#7        UHL    lo0
#
ff01::/32                    ::1           U      lo0
#
ff02::/16                    ::1           UGRS   lo0
#
ff02::%em0/32                link#1        UC     em0
#
ff02::%x10/32                link#2        UC     x10
#
ff02::%faith0/32              fe80::20e:cff:fea1:aa7b%faith0 UC     faith0
#
ff02::%lo0/32                ::1           UC     lo0
#
ff02::%tun0/32                fe80::20e:cff:fea1:aa7b%tun0 UC     tun0

```

There's no 2001:7a8:bd07:2::/64 entry.

If the router is pinged from a local machine, a /128 entry is added to the former's routing table.