Subject: IPv6 with venet
Posted by Jan Tomasek on Mon, 09 Jul 2007 13:40:18 GMT
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Hi,

after upgrade to vzctl version 3.0.18-1dso1 I got new set of
/etc/vz/dists/scripts/. There were changes in IPv6 code for Debian.

Thanks to those changes now IPv6 works between HW node and VE:

> staj-dev:~# ping6 2001:718:1:e::23:3005
> PING 2001:718:1:e::23:3005(2001:718:1:e::23:3005) 56 data bytes
> 64 bytes from 2001:718:1:e::23:3005: icmp_seq=1 ttl=64 time=0.068 ms

Problem is that I still can not reach VE from outside (staff is box with
IPv6 support).

> semik@staff:~$ ping6 2001:718:1:e::23:3005
> PING 2001:718:1:e::23:3005(2001:718:1:e::23:3005) 56 data bytes

ping does not show anything, it just hangs. In tcpdump on HW node I see:

> 15:38:41.465836 802.1d unknown version
> 15:38:41.498548 IP6 staff.cesnet.cz > 2001:718:1:e::23:3005: ICMP6, echo request, seq 923,
length 64
> 15:38:42.498349 IP6 staff.cesnet.cz > 2001:718:1:e::23:3005: ICMP6, echo request, seq 924,
length 64
> 15:38:43.462572 802.1d unknown version
> 15:38:43.498152 IP6 staff.cesnet.cz > 2001:718:1:e::23:3005: ICMP6, echo request, seq 925,
length 64
> 15:38:43.733136 arp who-has 195.113.233.73 tell 195.113.233.1
> 15:38:44.497951 IP6 staff.cesnet.cz > 2001:718:1:e::23:3005: ICMP6, echo request, seq 926,
length 64
> 15:38:45.427653 IP6 fe80::215:faff:fe87:3100 > ip6-allnodes: ICMP6, router advertisement,
length 64
> 15:38:45.462453 802.1d unknown version
> 15:38:45.497753 IP6 staff.cesnet.cz > 2001:718:1:e::23:3005: ICMP6, echo request, seq 927,
length 64
> 15:38:46.497552 IP6 staff.cesnet.cz > 2001:718:1:e::23:3005: ICMP6, echo request, seq 928,
length 64

I was suspecting route problems but routes does look ok. VE:

> root@ipv6-pokus:/# route -6
> Kernel IPv6 routing table
> Destination Next Hop Flags Metric Ref Use Iface
> ::1/128 :: U 0 1 1 lo

> ::1/128 :: U 0 0 1 lo
> 2001:718:1:e::23:3005/128 :: U 0 13 1 lo
> 2001:718:1:101:20b:dbff:fe93:5c38/128 2001:718:1:101:20b:dbff:fe93:5c38 UC 0
101 0 venet0
> fe80::/64 :: U 256 0 0 venet0
> ff00::/8 :: U 256 0 0 venet0
> ::/0 :: U 256 0 0 venet0

HW node:

> staj-dev:/proc/sys/net/ipv6/conf/venet0# route -6
> Kernel IPv6 routing table
> Destination Next Hop Flags Metric Ref Use Iface
> ::1/128 :: U 0 8 1 lo
> 2001:718:1:e::23:3004/128 :: U 0 926 1 lo
> 2001:718:1:e::23:3005/128 :: U 1024 0 0 venet0
> 2001:718:1:e:213:72ff:fe1b:b97/128 :: U 0 0 1 lo
> 2001:718:1:e::/64 :: U 256 302 0 eth0
> fe80::1/128 :: U 0 0 1 lo
> fe80::213:72ff:fe1b:b97/128 :: U 0 58 1 lo
> fe80::/64 :: U 256 0 0 eth0
> fe80::/64 :: U 256 0 0 venet0
> ff02::1/128 ff02::1 UC 0 327 0 eth0
> ff00::/8 :: U 256 0 0 eth0
> ff00::/8 :: U 256 0 0 venet0
> ::/0 fe80::215:faff:fe87:3100 UGDA 1024 483 0 eth0

Please, does anyone have any sugestions?

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