
Subject: Re: IPv6 ??

Posted by [Jan Tomasek](#) on Fri, 25 Jan 2008 07:12:45 GMT

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Hi,

Thorsten Schifferdecker wrote:

> @jan: how get your IPv6 connectivity ?

I've static setup on HW node:

```
iface eth0 inet6 static
    post-up /sbin/sysctl -w "net.ipv6.conf.eth0.autoconf=0"
    post-up /sbin/sysctl -w "net.ipv6.conf.all.forwarding=1"
    address 2001:718:1:e::23:3254
    gateway 2001:718:1:e::1
    netmask 64
```

Traceroute from HW node:

```
> chlivek:~# traceroute6 2001:838:1:1:210:dcff:fe20:7c7c
> traceroute to 2001:838:1:1:210:dcff:fe20:7c7c (2001:838:1:1:210:dcff:fe20:7c7c) from
2001:718:1:e::23:3254, 30 hops max, 16 byte packets
> 1 2001:718:1:e::1 (2001:718:1:e::1) 0.983 ms 4.869 ms 2.949 ms
> 2 2001:718:0:607::1 (2001:718:0:607::1) 4.943 ms 4.823 ms 2.895 ms
> 3 2001:718:0:607::2 (2001:718:0:607::2) 4.929 ms 4.867 ms 2.968 ms
> 4 ipv6-ge-2-1-0.prg11.ip.tiscali.net (2001:7f8:14::3:1) 3.359 ms 3.328 ms 4.439 ms
> 5 so-5-1-0.fra40.ip6.tiscali.net (2001:668:0:2::1:291) 9.113 ms 8.861 ms 14.915 ms
> 6 so-4-1-0.dus11.ip6.tiscali.net (2001:668:0:2::1:402) 12.322 ms 12.146 ms 15.893 ms
> 7 so-7-0-0.ams22.ip6.tiscali.net (2001:668:0:2::1:482) 15.88 ms 16.848 ms 15.919 ms
> 8 so-6-0-0.ams11.ip6.tiscali.net (2001:668:0:2::1:271) 15.889 ms 15.955 ms 14.971 ms
> 9 ge6-2-0.br0.ams3.nl.gbxs.net (2001:7f8:1::a500:9009:1) 15.511 ms 15.454 ms 15.972 ms
> 10 ams-ix2.ipv6.concepts.nl (2001:7f8:1::a501:2871:2) 15.437 ms 15.937 ms 15.837 ms
> 11 2001:838:0:14::2 (2001:838:0:14::2) 16.108 ms 15.294 ms 16.615 ms
> 12 2001:838:0:10::2 (2001:838:0:10::2) 21.508 ms 21.488 ms 17.428 ms
> 13 noc.sixxs.net (2001:838:1:1:210:dcff:fe20:7c7c) 21.508 ms 21.46 ms 18.441 ms
```

From VE (differnet IP, that 3257 was just experiemnt with my trick).

```
> root@idp:~# traceroute6 2001:838:1:1:210:dcff:fe20:7c7c
> traceroute to 2001:838:1:1:210:dcff:fe20:7c7c (2001:838:1:1:210:dcff:fe20:7c7c) from
2001:718:1:e::23:3248, 30 hops max, 16 byte packets
> 1 2001:718:1:e::23:3254 (2001:718:1:e::23:3254) 0.045 ms 0.015 ms 0.011 ms
> 2 2001:718:0:607::1 (2001:718:0:607::1) 1.105 ms 0.837 ms 1.381 ms
> 3 2001:718:0:607::2 (2001:718:0:607::2) 0.663 ms 0.44 ms 0.373 ms
> 4 ipv6-ge-2-1-0.prg11.ip.tiscali.net (2001:7f8:14::3:1) 0.566 ms 0.529 ms 0.529 ms
> 5 so-5-1-0.fra40.ip6.tiscali.net (2001:668:0:2::1:291) 8.551 ms 8.493 ms 8.499 ms
```

```
> 6 so-4-1-0.dus11.ip6.tiscali.net (2001:668:0:2::1:402) 11.302 ms 11.26 ms 11.256 ms
> 7 so-0-0-0.ams22.ip6.tiscali.net (2001:668:0:2::1:122) 15.086 ms 15.044 ms 15.039 ms
> 8 pos-7-5-0.ams11.ip6.tiscali.net (2001:668:0:2::630) 14.943 ms 14.945 ms 15.464 ms
> 9 ge6-2-0.br0.ams3.nl.gbx.net (2001:7f8:1::a500:9009:1) 15.65 ms 15.52 ms 16.392 ms
> 10 ams-ix2.ipv6.concepts.nl (2001:7f8:1::a501:2871:2) 17.111 ms 15.812 ms 15.879 ms
> 11 2001:838:0:14::2 (2001:838:0:14::2) 16.031 ms 15.915 ms 15.91 ms
> 12 2001:838:0:10::2 (2001:838:0:10::2) 17.83 ms 18.28 ms 17.903 ms
> 13 noc.sixxs.net (2001:838:1:1:210:dcff:fe20:7c7c) 17.661 ms 18.263 ms 17.993 ms
```

Could you please try traceroute at 2001:718:1:e::23:3254? Path seems to be different from yours. But I'm not sure if that could indicate something bad in your IPv6 network setup. I'm not able to reach machines which are in our own network so it looks like something more fundamental. For IPv4 I will say that arp is not working but ...

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