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Subject: Re: IPv6 ?? \*SOLVED\*

Posted by [Jan Tomasek](#) on Thu, 31 Jan 2008 07:45:16 GMT

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Benoit Branciard wrote:

```
>> I suspected it may be useful to set sysctl
>> net.ipv6.conf.<iface>.forwarding to 1, but :
>> - this turns the box in "router" mode, disabling RA acceptance from
>> default router (annoying)
>
> IPv6 forwarding is still mandatory, but this implies manual
> configuration of IP address, netmask and default route on hardware node.
> This last point may be annoying: in our case the default route is
> hardware-dependent, so if some day we need to replace the router (or the
> router interface), default route will become invalid and manual
> reconfiguration of all openVZ hardware nodes will be needed.
> Too bad Linux kernel doesn't allow enabling forwarding without disabling
> autoconfiguration.
```

I'm not sure, but I think that my setup is router independent. For my virtual servers I got prefix 2001:718:1:e::/64 (which is unbelievable waste of IP range but they say this is normal in IPv6). This network block is assigned to dedicated VLAN. IPv6 Gateway for all physical systems in that network is 2001:718:1:e::1.

My setup on HW node is:

```
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
```

I'm trying to stay away of MAC dependent automatically assigned IPs because of dependence on hardware.

I hope this might you, if needed I might try to ask our network specialists about more details...

Best regards

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Jan Tomasek aka Semik  
<http://www.tomasek.cz/>

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