Subject: IPv6 auto-configuration issue with virtual Ethernet
Posted by lars.bailey on Wed, 15 Dec 2010 05:40:54 GMT

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I thought I would share an issue that I ran across,in using auto-config IPv6 virtual Ethernet
containers,alongside IPv4 virtual Ethernet containers.
In this scenario,the IPv4 containers will pull an auto-configured IPv6 address.(this issue will arise
whether you
bridge a container or not)
The obvious part of my remarks,and the "issue" at hand,is in router advertisements.
Depending on what your end result is to be,this may not be a bad thing.(dual homed hosts)
It does not make much sense,segregating router advertisements on a per interface level.
You want to segregate the IPv4 virtual Ethernet containers,from the auto-configured IPv6 virtual
Ethernet containers.
To do that,you are going to have to perform this one simple task,on any IPv4 virtual Ethernet
containers,that you do not want to be dual-homed.
Edit the IPv4 container's "sysctl.conf" file,and add;

net.ipv6.conf.eth0.accept_ra = 0

Restart the container's networking,and examine the container's IPv6 routing.
The only routable IPv6 address shown,will be the container' link-local.