
Subject: Getting DEBIAN containers to auto-configure IPv6 on REDHAT Nodes
Posted by [lars.bailey](#) on Mon, 09 May 2011 22:31:38 GMT

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I started a post on the forum, in using a terminal based OVZ administration solution, and one of its features, is creating RedHat and Debian containers on the fly.

One of its networking options, is IPv6 auto-configuration.

In my testing of adding auto-IPv6 to this script awhile back, Debian containers did in fact configure on RedHat Nodes.

In my alpha/beta testing of my software offering, I could not get Debian containers to auto-config. After retracing my steps, the solution was simple.

You do not need to go out on a limb.

It does not require any module to be loaded on a container.

If you use this OS template cache for Debian with OVZ;

debian-5.0-x86.tar.gz

you need to download a different Debian OS template cache, if you want IPv6 auto-configuration support on RedHat Nodes.

The one that works, is actually archived in the TEMPLATE section of the OVZ wiki.

The template you need is;

debian-5.0-minimal.tar.gz

Why this one works, and the other does not, is not my call.

Here is a shot of a IPv4 DHCP and IPv6 auto-configured Debian container.

```
[root@stooge ~]# vzctl enter 4101
```

```
entered into CT 4101
```

```
root@localhost:/# ifconfig
```

```
eth0    Link encap:Ethernet  HWaddr 00:18:51:80:22:8a
        inet addr:192.168.5.250  Bcast:192.168.5.255  Mask:255.255.255.0
        inet6 addr: fd22:a075:afd0:e096:218:51ff:fe80:228a/64 Scope:Global
        inet6 addr: fe80::218:51ff:fe80:228a/64 Scope:Link
        UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
        RX packets:29 errors:0 dropped:0 overruns:0 frame:0
        TX packets:18 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:2868 (2.8 KiB)  TX bytes:2184 (2.1 KiB)
```

```
lo      Link encap:Local Loopback
        inet addr:127.0.0.1  Mask:255.0.0.0
        inet6 addr: ::1/128 Scope:Host
        UP LOOPBACK RUNNING  MTU:16436  Metric:1
        RX packets:0 errors:0 dropped:0 overruns:0 frame:0
        TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
```

RX bytes:0 (0.0 B) TX bytes:0 (0.0 B)

root@localhost:/#

If you want IPv6 auto-conf only give the Debian container,a blank static network configuration.
Thought I would pass it along.
